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Permit Number 18693

Project Manager Bobbi Coleman

Name of Contractor Jacobs

UST Certification Number _____

Docket Number 268 URP

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Lewis Rd. June 2018 Monthly Status Update

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July 30, 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, South Carolina 29201

Subject: **Lewis Drive – June 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 is now a wholly owned subsidiary of Jacobs) is submitting the attached Monthly Status Update covering activities conducted in June 2018 at the Lewis Drive site. This will be the last monthly status update submitted. Going forward quarterly reports will be submitted per the Corrective Action Plan and Addendums. If you have any questions or concerns, please call me at 919.760.1777 or Mr. Jerry Aycock/Plantation at 770.751.4165.

Regards

CH2M HILL Engineers, Inc.

William M. Waldron, P.E.
Program Manager

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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

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
- Attachment A – Field Logbooks, Gauging Sheets, and Purge Logs
- Attachment B – Surface Water Analytical Laboratory Report
- Attachment C – Groundwater Analytical Laboratory Reports

Monthly Status Update
Plantation Pipe Line Company
Lewis Drive Remediation
Site ID #18693 "Kinder Morgan Belton Pipeline Release"
June 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 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, 49 surface water sampling events have been conducted and samples during each event were analyzed for benzene, ethylbenzene, toluene, xylenes, and naphthalene (see Table 3). Starting in February 2018 (event 45), 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 June 7, 2018. Fifteen surface water samples were collected, at locations SW-01, SW-02, SW-03, SW-04, SW-07, SW-08, SW-09, SW-10, SW-11, SW-12, SW-13, SW-14, FP-01, FP-02, and FP-03 (locations SW-05 and SW-06 in Cupboard Creek were dry). Field documents can be found in Attachment A.
    - Benzene was detected at 2.99 µg/L (screening level = 2.2 µg/L) at SW-13.
    - Apart from this location, no dissolved hydrocarbons were detected above their respective surface water screening levels in the remaining surface water samples. Analytical lab report is attached.

Product Recovery

- Gauged depth to product and depth to water in recovery sumps/trenches/wells, piezometers, monitoring wells, and stream gauges. One location exhibited measurable product thickness of 0.5 foot or greater during the sitewide June gauging event: 0.65 feet at TW-42. All locations showing measurable product thickness are more than 150 feet away from surface water bodies at the site and have limited influence from the sparging remediation system. Construction information for recovery and non-recovery features is presented in Table 4. Groundwater elevation and product thickness data for June 2018 are presented in Table 5. Groundwater elevation and product thicknesses for June 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. In June, 1.5 gallons were recovered at the site. Since February 13, 2018, 8.7 gallons of product have been recovered using the skimmers and socks. Of this quantity, 3.9 gallons (45% of the total) were recovered from recovery sump RS-05.
- Through the end of June 2018, approximately 222,983 gallons (5,309 barrels) of product have been collected.
- An absorbent sock was removed from MW-11 and product skimmers were removed from MW-08, MW-15, and MW-20 in accordance with SCDHEC's request in their letter date-stamped May 8, 2018.
- Relocated product skimmer from RW-08 to RW-10.

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 month, groundwater samples were collected on June 5 through 7, 2018, from 62 of the 68 scheduled monitoring wells (22 sampled monthly and 46 sampled quarterly). Six 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 17 monitoring wells ranging from 5.74 to 8,910 µg/L.
        - Ethylbenzene – in one monitoring well with a concentration of 1,250 µg/L.
        - Toluene – in samples from two monitoring wells ranging from 1,990 to 20,200 µg/L.
        - 1,2-dichloroethane – 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.
        - MTBE – in samples from eight monitoring wells ranging from 63.8 to 1,230 µg/L.
        - Naphthalene – in one monitoring well with a concentration of 206 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.
        - 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 sparging system was down for a total of 11 hours in June due to a thunderstorm the night of June 22, 2018. This resulted in an operational uptime of 98% during June 2018.
- Flows in the vertical sparging wells were maintained at 4-11 standard cubic feet per minute (scfm). Flows in the 3 horizontal wells in the Hayfield Zone were maintained at approximately 0.70 scfm per foot of screen. Flows in the 2 stream aerators in Brown's Creek were maintained at approximately 15 scfm each in June 2018.

Regulatory Interaction

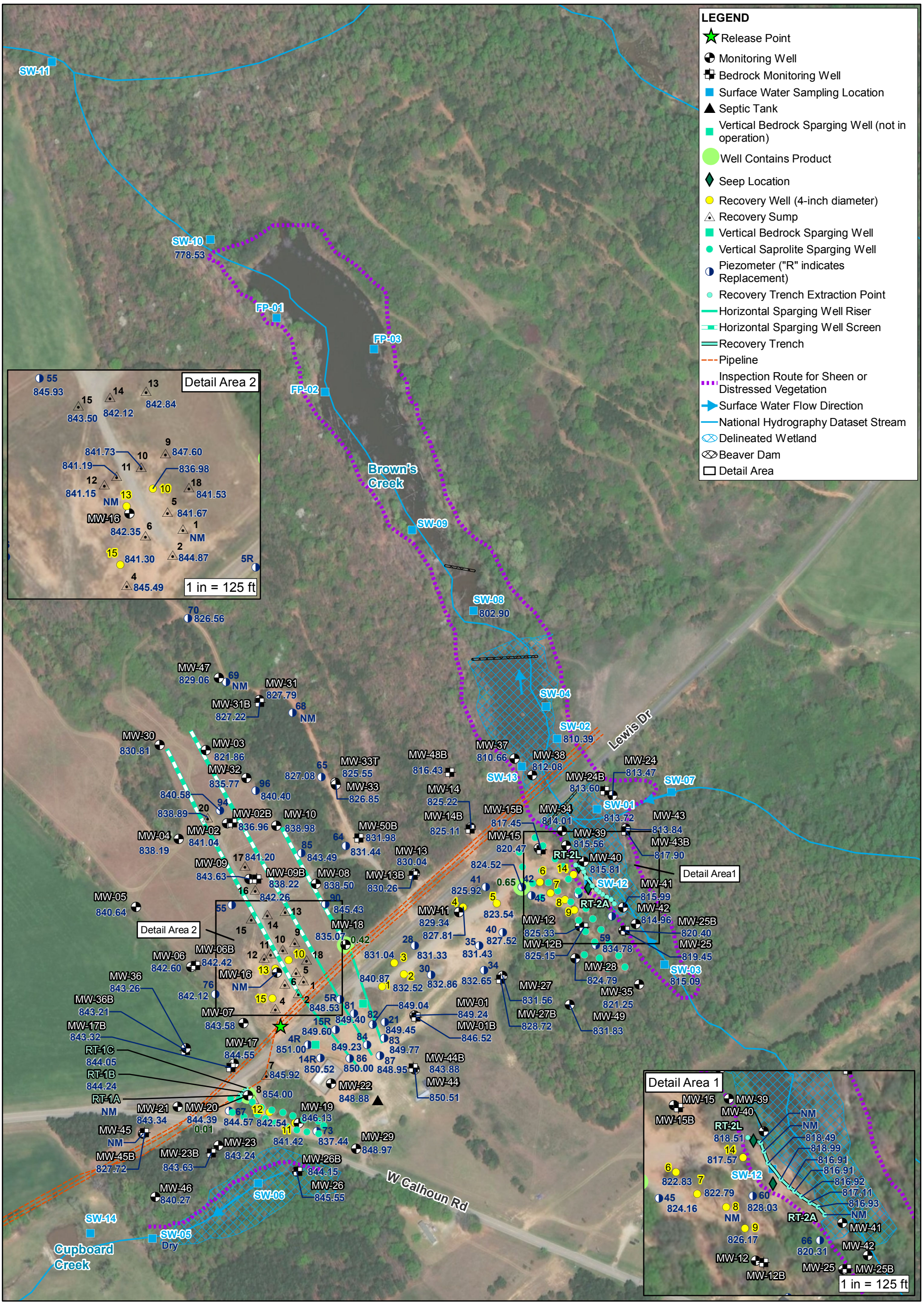
- Submitted response to comments on June 6, 2018 regarding SCDHEC letter titled: *Reviews of Misc. Reports, Response to Comments Document, Free Product Recovery Plan, Product Recovery Skimmer Results and Request for Well Permit*.
- Submitted *Monthly Status Update for May 2018* to SCDHEC on June 27, 2018.
- Submitted *Annual Monitoring Report* to SCDHEC on June 27, 2018.
- Conducted internal stormwater pollution prevention plan (SWPPP) inspection on June 14, 2018.
- The Anderson County Stormwater Department granted a SWPPP extension on June 6, 2018. The new expiration date for the SWPPP is June 16, 2020.

Future Activities

- In accordance with the *Sparging Operating Limits* letter to SCDHEC dated July 26, 2017:
    - Maintain flow in the stream aerators at 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 sparging network southwest toward MW-11 and expand the Cupboard Creek 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, monitoring wells, and stream gauges monthly for depth to groundwater and free product thickness.
- Conduct groundwater monitoring and reporting quarterly.
- Continue routine visual inspections of Brown's Creek and Cupboard Creek.
- Conduct quarterly surface water sampling at 17 established locations along Brown's Creek and Cupboard Creek.
- 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.

Figure

DRAFT



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

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"

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Tables

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.)
6/5/2018	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.

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

NS = location not surveyed

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"

Location	Sample ID	Date Collected	Units	Analyte 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**
SW-01	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
	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
	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

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"

Location	Sample ID	Date Collected	Units	Analyte 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	SW01-071817	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
	SW01-040618	4/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	**1.1**
	SW01-050318	5/3/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW01-060718	6/7/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	**1.43**
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
	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

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"

Location	Sample ID	Date Collected	Units	Analyte 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-02	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
	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**	**9.4**	**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	**2.65**	**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
	SW02-040618	4/6/2018	µg/L	**2.23**	1 U	1 U	2 U	1 U	5 U	**2.13**
	SW02-050318	5/3/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	**2.25**
	SW02-060718	6/7/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	**1.92**
SW-03	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
	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
	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

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"

Location	Sample ID	Date Collected	Units	Analyte 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-03	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
	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	--	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
	SW03-040618	4/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW03-050318	5/3/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW03-060718	6/7/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
SW-04	SW-DOWNGRADIENT	1/20/2015	µg/L	**95**	**27**	**310**	**110**	**63**	**94**	**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

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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	Date Collected	Units	Analyte 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	SW04-051915	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
	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
	SW04-040618	4/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW04-050318	5/3/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	**1.2**

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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	Date Collected	Units	Analyte						
		Screening Value (µg/L):		Benzene	Ethylbenzene	Toluene	m&p-Xylene	o-Xylene	Naphthalene	MTBE
				2.2 [a]	530 [a]	1,000 [a]	NA [b]	NA [b]	NA [b]	NA [b]
SW-04	SW04-060718	6/7/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	**1.31**
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
	--	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

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"

Location	Sample ID	Date Collected	Units	Analyte						
				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-05	--	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
	--	4/6/2018	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	SW05-050318	5/3/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	--	6/7/2018	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
SW-06	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
	--	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
	--	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

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"

Location	Sample ID	Date Collected	Units	Analyte 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	--	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
	--	4/6/2018	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	5/3/2018	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	6/7/2018	--	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
	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

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"

Location	Sample ID	Date Collected	Units	Analyte 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	--	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
	--	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
	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
	SW07-040618	4/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW07-050318	5/3/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW07-060718	6/7/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
SW-08	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

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"

Location	Sample ID	Date Collected	Units	Analyte: 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	SW08-092415	9/24/2015	µg/L	5 U[c]	5 U	5 U	10 U	5 U	5 U	NA
	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
	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
	SW08-040618	4/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW08-050318	5/3/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW08-060718	6/7/2018	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

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"

Location	Sample ID	Date Collected	Units	Analyte 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	SW09-033115	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
	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

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"

Location	Sample ID	Date Collected	Units	Analyte						
		Screening Value (µg/L):		Benzene	Ethylbenzene	Toluene	m&p-Xylene	o-Xylene	Naphthalene	MTBE
				2.2 [a]	530 [a]	1,000 [a]	NA [b]	NA [b]	NA [b]	NA [b]
SW-09	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
	SW09-040618	4/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW09-050318	5/3/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW09-060718	6/7/2018	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
	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

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"

Location	Sample ID	Date Collected	Units	Analyte 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	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
	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
	SW10-040618	4/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW10-050318	5/3/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW10-060718	6/7/2018	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

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"

Location	Sample ID	Date Collected	Units	Analyte 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	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
	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
	SW11-040618	4/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW11-050318	5/3/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW11-060718	6/7/2018	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
	SW12-120517	12/5/2017	µg/L	**16.6**	**2.91**	**12.6**	**20.1**	**13.3**	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"

Location	Sample ID	Date Collected	Units	Analyte 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	SW12-121417	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
	SW12-030918	3/9/2018	µg/L	**3.24**	**1.79**	**12.2**	**9.75**	**4.28**	5 U	1 U
	SW12-040618	4/6/2018	µg/L	**1.88**	1 U	1 U	**5.05**	**2.82**	5 U	1 U
	SW12-050318	5/3/2018	µg/L	1 U	1 U	1 U	**4.18**	**2.72**	5 U	1 U
	SW12-060718	6/7/2018	µg/L	**1.85**	1 U	1 U	**3.24**	**1.64**	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**
	SW13-040618	4/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	**1.4**
	SW13-050318	5/3/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	**3.67**
	SW13-060718	6/7/2018	µg/L	**2.99**	1 U	**2.48**	2 U	1 U	5 U	**8.08**
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
	SW14-040618	4/6/2018	µg/L	1 U	1 U	**1.43**	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"

Location	Sample ID	Date Collected	Units	Analyte						
		Screening Value (µg/L):		Benzene	Ethylbenzene	Toluene	m&p-Xylene	o-Xylene	Naphthalene	MTBE
				2.2 [a]	530 [a]	1,000 [a]	NA [b]	NA [b]	NA [b]	NA [b]
SW-14	SW14-050318	5/3/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	SW14-060718	6/7/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	**1.18**
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
	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
	FP01-040618	4/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	FP01-050318	5/3/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	FP01-060718	6/7/2018	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

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"

Location	Sample ID	Date Collected	Units	Analyte 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	FP02-122916	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
	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
	FP02-040618	4/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	FP02-050318	5/3/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	FP02-060718	6/7/2018	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

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"

Location	Sample ID	Date Collected	Units	Analyte 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-03-090517	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
	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
	FP03-040618	4/6/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	FP03-050318	5/3/2018	µg/L	1 U	1 U	1 U	2 U	1 U	5 U	1 U
	FP03-060718	6/7/2018	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 27, 2014.

[b] Screening levels for these analytes 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 location 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[a,b] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[c] Groundwater Elevation (ft amsl)
MW-01					853.07		
	6/4/2018	-	3.83	-		849.24	-
MW-01B					852.99		
	6/4/2018	-	6.47	-		846.52	-
MW-02					841.04		
	6/4/2018	-	-	-		841.04	-
MW-02B					841.19		
	6/4/2018	-	4.23	-		836.96	-
MW-03					838.36		
	6/4/2018	-	16.50	-		821.86	-
MW-04					844.42		
	6/4/2018	-	6.23	-		838.19	-
MW-05					851.11		
	6/4/2018	-	10.47	-		840.64	-
MW-06					852.92		
	6/4/2018	-	10.32	-		842.60	-
MW-06B					852.57		
	6/4/2018	-	10.15	-		842.42	-
MW-07					853.02		
	6/4/2018	-	9.44	-		843.58	-
MW-08					844.72		
	6/4/2018	-	6.22	-		838.50	-
MW-09					843.63		
	6/4/2018	-	-	-		843.63	-
MW-09B					843.92		
	6/4/2018	-	5.70	-		838.22	-
MW-10					845.41		
	6/4/2018	-	6.43	-		838.98	-
MW-11					855.63		
	6/4/2018	-	26.29	-		829.34	-
MW-12					834.53		
	6/4/2018	-	9.20	-		825.33	-
MW-12B					834.98		
	6/4/2018	-	9.83	-		825.15	-
MW-13					848.84		
	6/4/2018	-	18.80	-		830.04	-
MW-13B					849.82		
	6/4/2018	-	19.56	-		830.26	-
MW-14					838.70		
	6/4/2018	-	13.48	-		825.22	-
MW-14B					840.20		
	6/4/2018	-	15.09	-		825.11	-
MW-15					831.03		
	6/4/2018	-	10.56	-		820.47	-
MW-15B					831.29		
	6/4/2018	-	13.84	-		817.45	-
MW-16					847.67		
	6/4/2018	-	NM	-		-	-
MW-17					855.35		
	6/4/2018	-	10.80	-		844.55	-
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[a,b] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[c] Groundwater Elevation (ft amsl)
MW-17B (cont'd)	6/4/2018	-	12.05	-		843.32	-
MW-18					846.89		
	6/4/2018	11.70	12.12	0.42		834.77	835.07
MW-19					853.94		
	6/4/2018	-	7.81	-		846.13	-
MW-20					852.89		
	6/4/2018	8.49	8.50	0.01		844.39	844.39
MW-21					855.77		
	6/4/2018	-	12.43	-		843.34	-
MW-22					854.60		
	6/4/2018	-	5.72	-		848.88	-
MW-23					849.57		
	6/4/2018	-	6.33	-		843.24	-
MW-23B					849.69		
	6/4/2018	-	6.06	-		843.63	-
MW-24					817.92		
	6/4/2018	-	4.45	-		813.47	-
MW-24B					818.72		
	6/4/2018	-	5.12	-		813.60	-
MW-25					826.18		
	6/4/2018	-	6.73	-		819.45	-
MW-25B					823.81		
	6/4/2018	-	3.41	-		820.40	-
MW-26					847.56		
	6/4/2018	-	2.01	-		845.55	-
MW-26B					847.81		
	6/4/2018	-	3.66	-		844.15	-
MW-27					854.11		
	6/4/2018	-	22.55	-		831.56	-
MW-27B					857.14		
	6/4/2018	-	28.42	-		828.72	-
MW-28					844.31		
	6/4/2018	-	19.52	-		824.79	-
MW-29					852.20		
	6/4/2018	-	3.23	-		848.97	-
MW-30					841.28		
	6/4/2018	-	10.47	-		830.81	-
MW-31					845.04		
	6/4/2018	-	17.25	-		827.79	-
MW-31B					844.94		
	6/4/2018	-	17.72	-		827.22	-
MW-32					842.93		
	6/4/2018	-	7.16	-		835.77	-
MW-33					849.20		
	6/4/2018	-	22.35	-		826.85	-
MW-33T					849.11		
	6/4/2018	-	23.56	-		825.55	-
MW-34					816.35		
	6/4/2018	-	2.34	-		814.01	-
MW-35					829.40		
	6/4/2018	-	8.15	-		821.25	-

Table 5. Groundwater Elevation and Product Thickness Data

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation[a,b] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[c] Groundwater Elevation (ft amsl)
MW-36					858.47		
	6/4/2018	-	15.21	-		843.26	-
MW-36B					858.15		
	6/4/2018	-	14.94	-		843.21	-
MW-37					813.92		
	6/4/2018	-	3.26	-		810.66	-
MW-38					813.28		
	6/4/2018	-	1.20	-		812.08	-
MW-39					819.90		
	6/4/2018	-	4.34	-		815.56	-
MW-40					817.79		
	6/4/2018	-	1.98	-		815.81	-
MW-41					819.68		
	6/4/2018	-	3.69	-		815.99	-
MW-42					820.33		
	6/4/2018	-	5.37	-		814.96	-
MW-43					818.12		
	6/4/2018	-	4.28	-		813.84	-
MW-43B					818.80		
	6/4/2018	-	0.90	-		817.90	-
MW-44					853.67		
	6/4/2018	-	3.16	-		850.51	-
MW-44B					853.38		
	6/4/2018	-	9.50	-		843.88	-
MW-45					852.47		
	6/4/2018	-	NM	-		-	-
MW-45B					852.85		
	6/4/2018	-	25.13	-		827.72	-
MW-46					845.47		
	6/4/2018	-	5.20	-		840.27	-
MW-47					842.98		
	6/4/2018	-	13.92	-		829.06	-
MW-48B					832.34		
	6/4/2018	-	15.91	-		816.43	-
MW-49					846.78		
	6/4/2018	-	14.95	-		831.83	-
MW-50B					850.34		
	6/4/2018	-	18.36	-		831.98	-
RS-01					849.13		
	6/4/2018	-	NM	-		-	-
RS-02					849.52		
	6/4/2018	-	4.65	-		844.87	-
RS-04					851.47		
	6/4/2018	-	5.98	-		845.49	-
RS-05					848.31		
	6/4/2018	-	6.64	-		841.67	-
RS-06					849.47		
	6/4/2018	-	7.12	-		842.35	-
RS-07					855.08		
	6/4/2018	-	9.16	-		845.92	-
RS-08					854.00		

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Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location ID	Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (ft)	Top of Casing Elevation[a,b] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[c] Groundwater Elevation (ft amsl)
RS-08 (cont'd)	6/4/2018	-	NM	-		-	-
RS-09					847.60		
	6/4/2018	-	NM	-		-	-
RS-10					847.42		
	6/4/2018	-	5.69	-		841.73	-
RS-11					847.44		
	6/4/2018	-	6.25	-		841.19	-
RS-12					847.74		
	6/4/2018	-	6.59	-		841.15	-
RS-13					845.98		
	6/4/2018	-	3.14	-		842.84	-
RS-14					845.97		
	6/4/2018	-	3.85	-		842.12	-
RS-15					846.41		
	6/4/2018	-	2.91	-		843.50	-
RS-16					845.44		
	6/4/2018	-	3.18	-		842.26	-
RS-17					844.22		
	6/4/2018	-	3.02	-		841.20	-
RS-18					847.89		
	6/4/2018	-	6.36	-		841.53	-
RS-19					850.40		
	6/4/2018	-	NM	-		-	-
RS-20					842.69		
	6/4/2018	-	3.80	-		838.89	-
RT-1A					854.06		
	6/4/2018	-	NM	-		-	-
RT-1B					854.15		
	6/4/2018	-	9.91	-		844.24	-
RT-1C					854.55		
	6/4/2018	-	10.50	-		844.05	-
RT-2A					817.48		
	6/4/2018	-	NM	-		-	-
RT-2B					817.61		
	6/4/2018	-	0.68	-		816.93	-
RT-2C					818.06		
	6/4/2018	-	0.95	-		817.11	-
RT-2D					818.12		
	6/4/2018	-	1.20	-		816.92	-
RT-2E					818.25		
	6/4/2018	-	1.34	-		816.91	-
RT-2F					818.57		
	6/4/2018	-	1.66	-		816.91	-
RT-2G					820.07		
	6/4/2018	-	1.08	-		818.99	-
RT-2H					822.17		
	6/4/2018	-	NM	-		-	-
RT-2I					819.51		
	6/4/2018	-	1.02	-		818.49	-
RT-2J					817.63		
	6/4/2018	-	-	-		817.63	-

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[a,b] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[c] Groundwater Elevation (ft amsl)
RT-2K					817.40		
	6/4/2018	-	NM	-		-	-
RT-2L					819.54		
	6/4/2018	-	1.03	-		818.51	-
RW-01					851.92		
	6/4/2018	-	11.05	-		840.87	-
RW-02					852.69		
	6/4/2018	-	20.17	-		832.52	-
RW-03					852.34		
	6/4/2018	-	21.30	-		831.04	-
RW-04					853.93		
	6/4/2018	-	26.12	-		827.81	-
RW-05					853.53		
	6/4/2018	-	29.99	-		823.54	-
RW-06					846.21		
	6/4/2018	-	23.38	-		822.83	-
RW-07					843.19		
	6/4/2018	-	20.40	-		822.79	-
RW-08					835.48		
	6/4/2018	-	NM	-		-	-
RW-09					835.12		
	6/4/2018	-	8.95	-		826.17	-
RW-10					848.53		
	6/4/2018	-	8.95	-		839.58	-
RW-11					852.97		
	6/4/2018	-	11.55	-		841.42	-
RW-12					854.49		
	6/4/2018	-	11.95	-		842.54	-
RW-13					847.97		
	6/4/2018	-	NM	-		-	-
RW-14					827.54		
	6/4/2018	-	9.97	-		817.57	-
RW-15					851.64		
	6/4/2018	-	10.34	-		841.30	-
SW-01					812.82		
	6/4/2018	-	(0.90)	-		813.72	-
SW-02					808.65		
	6/4/2018	-	(1.74)	-		810.39	-
SW-03					815.09		
	6/4/2018	-	-	-		815.09	-
SW-05					838.75		
	6/4/2018	-	DRY	-		-	-
SW-08					802.04		
	6/4/2018	-	(0.86)	-		802.90	-
SW-10					778.09		
	6/4/2018	-	(0.44)	-		778.53	-
TW-04R					852.64		
	6/4/2018	-	1.64	-		851.00	-
TW-05R					849.93		
	6/4/2018	-	1.40	-		848.53	-
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[a,b] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[c] Groundwater Elevation (ft amsl)
TW-14R (cont'd)	6/4/2018	-	2.85	-		850.52	-
TW-15R					850.62		
	6/4/2018	-	1.02	-		849.60	-
TW-21					849.70		
	6/4/2018	-	0.25	-		849.45	-
TW-28					851.42		
	6/4/2018	-	20.09	-		831.33	-
TW-30					851.81		
	6/4/2018	-	18.95	-		832.86	-
TW-34					854.79		
	6/4/2018	-	22.14	-		832.65	-
TW-35					854.10		
	6/4/2018	-	22.67	-		831.43	-
TW-40					853.35		
	6/4/2018	-	25.83	-		827.52	-
TW-41					849.38		
	6/4/2018	-	23.46	-		825.92	-
TW-42					846.84		
	6/4/2018	22.14	22.79	**0.65**		824.05	824.52
TW-45					848.31		
	6/4/2018	-	24.15	-		824.16	-
TW-46					846.88		
	6/4/2018	-	NM	-		-	-
TW-55					845.93		
	6/4/2018	-	-	-		845.93	-
TW-59					834.78		
	6/4/2018	-	-	-		834.78	-
TW-60					828.03		
	6/4/2018	-	-	-		828.03	-
TW-64					845.88		
	6/4/2018	-	14.44	-		831.44	-
TW-65					845.62		
	6/4/2018	-	18.54	-		827.08	-
TW-66					820.31		
	6/4/2018	-	-	-		820.31	-
TW-67					852.71		
	6/4/2018	-	8.14	-		844.57	-
TW-68					846.45		
	6/4/2018	-	NM	-		-	-
TW-69					840.27		
	6/4/2018	-	NM	-		-	-
TW-70					841.95		
	6/4/2018	-	15.39	-		826.56	-
TW-73					850.53		
	6/4/2018	-	13.09	-		837.44	-
TW-76					852.44		
	6/4/2018	-	10.32	-		842.12	-
TW-81					849.43		
	6/4/2018	-	0.03	-		849.40	-
TW-82					849.64		
	6/4/2018	-	0.60	-		849.04	-

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[a,b] (ft amsl)	Groundwater Elevation (ft amsl)	Corrected[c] Groundwater Elevation (ft amsl)
TW-83					850.44		
	6/4/2018	-	0.67	-		849.77	-
TW-84					851.22		
	6/4/2018	-	1.99	-		849.23	-
TW-85					843.49		
	6/4/2018	-	-	-		843.49	-
TW-86					853.10		
	6/4/2018	-	3.10	-		850.00	-
TW-87					852.25		
	6/4/2018	-	3.30	-		848.95	-
TW-90					845.43		
	6/4/2018	-	-	-		845.43	-
TW-94					840.58		
	6/4/2018	-	-	-		840.58	-
TW-96					840.40		
	6/4/2018	-	-	-		840.40	-

Notes:

[a.] Elevation of zero mark (ft amsl) for surface water staff gauges.

[b.] "RS-" and "RT-" features were trimmed to less than 12 inches above ground surface on 3/14/2017. Only the

[c.] 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)	Week 5 Volume Recovered (gal)	Week 6 Volume Recovered (gal)	Week 7 Volume Recovered (gal)	Total Recovered to Date (gal)
Date	**2/20/2018**	**2/26/2018**	**3/9/2018**	**3/15/2018**	**4/6/2018**	**5/3/2018**	**6/7/2018**	
Product Skimmers								
MW-08	-	-	-	-	0.001	-	-	**0.001**
MW-15	-	-	0.023	0.004	-	-	-	**0.027**
MW-20	0.004	0.017	0.016	-	0.002	-	0.008	**0.046**
RS-01	NA	NA	0.031	0.008	-	-	-	**0.039**
RS-02	-	-	0.001	-	-	-	0.008	**0.009**
RS-05	0.844	0.813	1.094	1.125	0.031	0.002	0.008	**3.916**
RS-10	0.002	-	-	-	0.008	-	-	**0.010**
RS-14	0.016	-	-	-	-	-	0.008	**0.023**
RS-17	-	-	0.001	-	-	-	0.008	**0.009**
RW-02	-	0.090	0.047	-	0.033	-	0.008	**0.177**
RW-03	-	-	0.008	0.008	0.002	-	0.008	**0.025**
RW-04	-	0.008	0.016	-	0.001	-	0.016	**0.040**
RW-05	-	0.016	0.016	0.656	-	0.001	0.018	**0.706**
RW-07	0.002	-	0.008	-	-	-	-	**0.010**
RW-08	-	-	-	-	-	-	-	**-**
RW-15	0.078	-	-	0.117	0.031	0.002	-	**0.228**
Petroleum-Absorbent Socks								
MW-11	0.200	0.224	-	0.256	0.200	0.008	0.221	**1.109**
RS-08	-	-	-	-	0.243	0.040	0.259	**0.542**
RT-2K	-	-	-	-	0.006	0.006	0.215	**0.227**
RT-1A	-	-	-	-	0.228	0.036	0.254	**0.518**
RT-1B	-	-	-	-	0.251	0.038	0.244	**0.533**
RT-1C	-	-	-	-	0.255	0.039	0.231	**0.525**
Total:	**1.145**	**1.167**	**1.259**	**2.174**	**1.291**	**0.171**	**1.513**	**8.720**

Notes:

- = no product recovered

gal = gallons

ID = identification

NA = not applicable

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-01-060518	6/4/2018	3.83	6/5/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-01B	MW-01B-080415			8/4/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.02 U
	MW-01B-012716			1/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.019 U
	MW-01B-120116			12/1/2016	µg/L	1 U	1 U	**1.4**	**5.6**	1 U	1 U	**1.3**	--
	MW-01B-062817			6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-01B-062817-FD			6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-01B-090717			9/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-01B-120517	12/4/2017	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-01B-060518	6/4/2018	6.47	6/5/2018	µg/L	**8.96**	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-02-040618	4/5/2018	4.79	4/6/2018	µg/L	**72.5**	**8.96**	**94.7**	**501**	1 U	**18.4**	5 U	--
	MW-02-050318	5/2/2018	10.85	5/3/2018	µg/L	**35.4**	**7.50**	**14.9**	**163**	1 U	**8.0**	5 U	--
	MW-02-060618	6/4/2018	0.00	6/6/2018	µg/L	1 U	1 U	**3.19**	**3.7**	1 U	**1.25**	5 U	--
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

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	--			1/19/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	MW-02B-030116			3/1/2016	µg/L	1 U	1 U	**4.8**	**4.6**	1 U	1 U	1 U	0.019 U
	MW-02B-D-030116			3/1/2016	µg/L	1 U	1 U	**4.8**	**5.3**	1 U	1 U	1 U	0.02 U
	--			11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	MW-02B-033117			3/31/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-02B-062917			6/29/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-02B-090817			9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-02B-120717	12/4/2017	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-02B-060618	6/4/2018	4.23	6/6/2018	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-03-040618	4/5/2018	15.40	4/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-03-050318	5/2/2018	0	5/3/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-03-060618	6/4/2018	16.5	6/6/2018	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-04-060618	6/4/2018	6.23	6/6/2018	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

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-05-012516			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	--
	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-05-040618	4/5/2018	11.80	4/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-05-050318	5/2/2018	11.13	5/3/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-05-060718	6/4/2018	10.47	6/7/2018	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-06-060718	6/4/2018	10.32	6/7/2018	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-06B-060718	6/4/2018	10.15	6/7/2018	µg/L	1 U	1 U	**4.69**	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

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-07	--	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]	--
	--	4/5/2018	11.39	4/6/2018	µg/L	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	MW-07-050318	5/2/2018	10.35	5/3/2018	µg/L	**6,330**	**662**	**16,500**	**9,060**	250 U[b]	250 U[b]	1,250 U[b]	--
	--	6/4/2018	9.44	6/4/2018	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
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-08-060618	6/4/2018	5.63	6/6/2018	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]	--
	--			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-09-060618	6/4/2018	uld not op	6/6/2018	µg/L	**2.25**	1 U	**6.06**	**4.75**	1 U	**3.65**	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-09B-060618	6/4/2018	5.7	6/6/2018	µg/L	**17.1**	**16.5**	**66.5**	**139**	1 U	**3.61**	**8.09**	--
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	--

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-10	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-10-040618	4/5/2018	8.21	4/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-10-050318	5/2/2018	6.97	5/3/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-10-060618	6/4/2018	6.43	6/6/2018	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
	--	6/4/2018	26.29	6/4/2018	--	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
	--			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-12-060518	6/4/2018	9.2	6/5/2018	µg/L	**16.3**	**2.51**	**181**	**249**	U	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-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	**11.8** 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	**11.8** 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	**11.8** U	5 U	--
	MW-12B-060518	6/4/2018	9.83	6/5/2018	µg/L	**275**	**58.7**	**20.9**	**171**	1 U	**11.8** U	**22.5**	--
MW-13	--			7/27/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	**11.8**	NS-IW	NS-IW
	MW-13-012816			1/28/2016	µg/L	**2**	1 U	**12.5**	**6.9**	1 U	**11.8** U	1 U	0.02 U
	--			11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	**11.8**	NS-IW	NS-IW
	MW-13-062917			6/29/2017	µg/L	**1.18**	1 U	**3.39**	3 U	1 U	**11.8** U	5 U	--
	--			9/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	**11.8**	NS-IW	NS-IW
	--	12/4/2017	21.87	12/4/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	**11.8**	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	**11.8**	5 U	--
	MW-13-060618	6/4/2018	18.8	6/6/2018	µg/L	**44.2**	**4.25**	**86.2**	**19.9**	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-13B-060618	6/4/2018	19.56	6/6/2018	µg/L	**498**	**47.7**	**469**	**282**	1 U	**148**	**8.47**	--
MW-14	MW-14-072815			7/28/2015	µg/L	5 U[b]	5 U	5 U	10 U	5 U[b]	5 U	5 U	0.02 U
	MW-14-012816			1/28/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.019 U
	MW-14-113016			11/30/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-14-062817			6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--

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-14-090817			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-14-060618	6/4/2018	17.48	6/6/2018	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-14B-0604B18	6/4/2018	15.09	6/6/2018	µg/L	**8.63**	1 U	1 U	**5.77**	1 U	**22.1**	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-15-060618	6/4/2018	Skimmer	6/6/2018	µg/L	**52.2**	**4.11**	**81.4**	**46.5**	1 U	**63.8**	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]	--

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-15B	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**	--
	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-15B-060618	6/4/2018	13.84	6/6/2018	µg/L	**968**	**82.8**	**1,990**	**791**	1 U	**109**	**12.8**	--
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**	--
	--	6/4/2018	--	6/4/2018	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
MW-17	--			7/27/2015	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--			1/19/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--			11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--			3/13/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--			3/20/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--			3/31/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--			4/6/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--			6/26/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--			9/5/2017	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW
	--	12/4/2017	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
	--	6/4/2018	10.80	6/4/2018	--	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]	--

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-17B	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-17B-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-17B-060718	6/4/2018	12.05	6/7/2018	µg/L	**8,910**	**1,250**	**20,200**	**9,130**	20 U[b]	**1,230**	**206**	--
	MW-17B-D-060718	6/4/2018	12.05	6/7/2018	µg/L	**9,630**	**1,200**	**21,000**	**8,850**	20 U[b]	**1,230**	**223**	--
MW-18	--			7/27/2015	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--			1/19/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--			11/28/2016	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--			6/26/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--			9/5/2017	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	12/4/2017	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
	--	6/4/2018	12.12	6/4/2018	--	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-19-060618	6/4/2018	7.81	6/6/2018	µg/L	**8.15**	**149**	**385**	**1260**	**1.53**	1 U	250 U[b]	--
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

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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-20	--			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	µg/L	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
	--	4/5/2018	9.37	4/6/2018	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	5/2/2018	9.7	5/3/2018	--	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP	NS-FP
	--	6/4/2018	8.5	6/4/2018	--	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
	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-21-060718	6/4/2018	12.43	6/7/2018	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

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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-22	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-22-040618	4/5/2018	7.27	4/6/2018	µg/L	1 U	1 U	**1.76**	**46.6**	1 U	1 U	5 U	--
	MW-22-050318	5/2/2018	7.19	5/3/2018	µg/L	**1.43**	**1.79**	**33.1**	**426**	1 U	1 U	1 U	--
	MW-22-060518	6/4/2018	5.72	6/5/2018	µg/L	1 U	1 U	**4.27**	**41.6**	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]	--
	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	--

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-23	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-23-040618	4/5/2018	7.52	4/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	**32**	5 U	--
	MW-23-050318	5/2/2018	7.12	5/3/2018	µg/L	1 U	1 U	1 U	3 U	1 U	**19.1**	5 U	--
	MW-23-D-050318	5/2/2018	7.12	5/3/2018	µg/L	1 U	1 U	1 U	3 U	1 U	**16.9**	5 U	--
	MW-23-060518	6/4/2018	6.33	6/5/2018	µg/L	1 U	1 U	1 U	3 U	1 U	**5.28**	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-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-23B-060518	6/4/2018	6.06	6/5/2018	µg/L	1 U	1 U	**1.08**	**4.21**	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-24-060618	6/4/2018	4.45	6/6/2018	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	--
	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-24B-060618	6/4/2018	5.12	6/6/2018	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

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-25	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-25-040618	4/5/2018	7.46	4/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-25-050318	5/2/2018	7.02	5/3/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-25-060518	6/4/2018	6.73	6/5/2018	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-25B-060518	6/4/2018	3.41	6/5/2018	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

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-26-120116			12/1/2016	µg/L	1 U	1 U	**2.3**	1 U	1 U	1 U	1 U	--
	MW-26-031417			3/14/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-032017			3/20/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-033117			3/31/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-040617			4/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-040617-FD			4/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-050317			5/3/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-062817			6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-071717			7/17/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-080117			8/1/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-090717			9/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-100417	10/3/2017	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-26-040618	4/5/2018	2.88	4/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-050318	5/2/2018	2.71	5/3/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-26-060518	6/4/2018	2.01	6/5/2018	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-26B-060518	6/4/2018	3.66	6/5/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-27	MW-27-012716			1/27/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.019 U
	--			11/28/2016	--	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW	NS-IW

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-27	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-27-060518	6/4/2018	22.55	6/5/2018	µg/L	**5.74**	**7.74**	**22.6**	**70.3**	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
	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-27BD-030818	3/5/2018	3.20	3/8/2018	µg/L	1 U	**4.02**	**7.97**	**30.7**	1 U	1 U	5 U	--
	MW-27B-060518	6/4/2018	28.42	6/5/2018	µg/L	1 U	**3.38**	**6.18**	**26.8**	1 U	1 U	**5.1**	--
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-28-040618	4/5/2018	20.68	4/6/2018	µg/L	**16.1**	**11.6**	**4**	**23.4**	1 U	1 U	5 U	--
	MW-28-050318	5/2/2018	20.81	5/3/2018	µg/L	**8.25**	**8.8**	**1.55**	**24.5**	1 U	1 U	5 U	--
	MW-28-060518	6/4/2018	19.82	6/5/2018	µg/L	**3.81**	**3.8**	**1.01**	**16.0**	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-29-012116			1/21/2016	µg/L	1 U	1 U	1 U	2 U	1 U	1 U	1 U	0.02 U
	MW-29-112916			11/29/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-29-031317			3/13/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-032017			3/20/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-033117			3/31/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-040617			4/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-050317			5/3/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-062817			6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-071717			7/17/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-080117			8/1/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-090717			9/7/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-100417	10/3/2017	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-29-040618	4/5/2018	5.28	4/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-D-040618	4/5/2018	5.28	4/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-050318	5/2/2018	4.72	5/3/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-29-060518	6/4/2018	3.23	6/5/2018	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	--

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-30	MW-30-040618	4/5/2018	11.92	4/6/2018	µg/L	**1.9**	1 U	**7.38**	**5.95**	1 U	**2.22**	5 U	--
	MW-30-050318	5/2/2018	11.49	5/3/2018	µg/L	**1.19**	1 U	**3.7**	3 U	1 U	**2.29**	5 U	--
	MW-30-060618	6/4/2018	10.47	6/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	**2.58**	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-31-040618	4/5/2018	18.59	4/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-050318	5/2/2018	17.35	5/3/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-D-050318	5/2/2018	17.35	5/3/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-31-060618	6/4/2018	17.25	6/6/2018	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
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-32-060618	6/4/2018	7.16	6/6/2018	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-33T-060618	6/4/2018	23.56	6/6/2018	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-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**	**69.9**	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**	**79.8**	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-34-040618	4/5/2018	2.25	4/6/2018	µg/L	**619**	**2.22**	**31.9**	**150**	1 U	**281**	**7.77**	--
	MW-34-050318	5/2/2018	2.31	5/3/2018	µg/L	**342**	10 U	**18.1**	**99.7**	10 U[b]	**278**	50 U[b]	--
	MW-34-060518	6/4/2018	2.34	6/5/2018	µg/L	**63.1**	1 U	**3.28**	**19.2**	1 U	**247**	5 U	--
MW-35	MW-35-051016			5/10/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.02 U
	MW-35-120116			12/1/2016	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--
	MW-35-031417			3/14/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-032017			3/20/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-033117			3/31/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-040617			4/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-050317			5/3/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-062817			6/28/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-071717			7/17/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-080117			8/1/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-090817			9/8/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-100417	10/3/2017	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	--

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-35-010918	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-35-040618	4/5/2018	8.39	4/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-050318	5/2/2018	8.37	5/3/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-35-060618	6/4/2018	8.15	6/6/2018	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-36-060718	6/4/2018	15.21	6/7/2018	µg/L	**184**	1 U	**208**	**134**	1 U	**2.06**	5 U	--
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	--
	7W-36B-060618	6/4/2018	14.84	6/7/2018	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-37-060518	6/4/2018	3.26	6/5/2018	µg/L	1 U	1 U	1 U	3 U	1 U	**5.06**	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-38-040618	4/5/2018	1.50	4/6/2018	µg/L	**347**	1 U	**2.95**	**221**	1 U	**68.8**	**10.4**	--
	MW-38-D-040618	4/5/2018	1.50	4/6/2018	µg/L	**371**	1 U	**2.61**	**190**	1 U	**67.6**	**9.46**	--
	MW-38-050318	5/2/2018	1.7	5/3/2018	µg/L	**378**	10 U	10 U	**212**	10 U[b]	**62.1**	50 U[b]	--
	MW-38-060518	6/4/2018	1.2	6/5/2018	µg/L	**373**	1 U	**2.49**	**222**	1 U	**75.5**	**9**	--
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-39-040618	4/5/2018	4.54	4/6/2018	µg/L	**1**	1 U	1 U	3 U	1 U	**297**	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-39	MW-39-050318	5/2/2018	4.48	5/3/2018	µg/L	10 U	10 U	10 U	30 U	10 U[b]	**287**	50 U[b]	--
	MW-39-060518	6/4/2018	4.34	6/5/2018	µg/L	1 U	1 U	1 U	3 U	1 U	**322**	5 U	--
MW-40	MW-40-120716			12/7/2016	µg/L	**6,730**	**588**	**7,460**	**3,390**	50 U[b]	**373**	**64.8**	--
	MW-40-031417			3/14/2017	µg/L	**11,600**	**1,280**	**16,100**	**7,260**	50 U[b]	**691**	250 U[b]	--
	MW-40-032017			3/20/2017	µg/L	**12,300**	**1,330**	**19,600**	**7,500**	200 U[b]	**654**	1,000 U[b]	--
	MW-40-033117			3/31/2017	µg/L	**13,300**	**1,500**	**19,500**	**8,070**	100 U[b]	**727**	500 U[b]	--
	MW-40-040617			4/6/2017	µg/L	**10,400**	**1,180**	**16,200**	**6,570**	200 U[b]	**650**	1,000 U[b]	--
	MW-40-062817			6/28/2017	µg/L	**9,250**	**1,030**	**19,200**	**6,540**	500 U[b]	**590**	2,500 U[b]	--
	MW-40-071717			7/17/2017	µg/L	**11,400**	**1,210**	**25,300**	**7,430**	500 U[b]	**727**	2,500 U[b]	--
	MW-40-080117			8/1/2017	µg/L	**12,000**	**1,120**	**23,200**	**8,070**	500 U[b]	**631**	2,500 U[b]	--
	MW-40-090817			9/8/2017	µg/L	**14,300**	**1,250**	**28,700**	**9,250**	20 U[b]	**716**	**219**	--
	MW-40-100417	10/3/2017	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-40-040618	4/5/2018	2.32	4/6/2018	µg/L	**6,710**	**212**	**8,350**	**5,460**	100 U[b]	**423**	500 U[b]	--
	MW-40-050318	5/2/2018	2.23	5/3/2018	µg/L	**2,890**	100 U	**3,490**	**3,350**	100 U[b]	**288**	500 U[b]	--
	MW-40-060518	6/4/2018	1.98	6/5/2018	µg/L	**472**	**16.8**	**514**	**1,490**	1 U	**255**	**20.4**	--
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	--

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-41	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-41-040618	4/5/2018	4.00	4/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-41-050318	5/2/2018	3.8	5/3/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-41-060518	6/4/2018	3.69	6/5/2018	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-42-060518	6/4/2018	5.37	6/5/2018	µg/L	1 U	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	--
	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-43-040618	4/5/2018	4.18	4/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-43-050318	5/2/2018	4.26	5/3/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-43-060618	6/4/2018	4.28	6/6/2018	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-43B-060618	6/4/2018	0.9	6/6/2018	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-44-060518	6/4/2018	3.16	6/5/2018	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-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-44B-060518	6/4/2018	9.5	6/5/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-44B-D-060518	6/4/2018	9.5	6/5/2018	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-45-040618	4/5/2018	11.30	4/6/2018	µg/L	**21.9**	**3.08**	**19.6**	**36.6**	1 U	1 U	5 U	--
	MW-45-050318	5/2/2018	10.74	5/3/2018	µg/L	**2.65**	1 U	1 U	1 U	1 U	**3.35**	5 U	--
	MW-45-060718	6/4/2018	24.15	6/7/2018	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
MW-45B	MW-45B-031317			3/13/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-45B-032017			3/20/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-45B-033117			3/31/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-45B-040617			4/6/2017	µg/L	1 U	1 U	1 U	3 U	1 U	1 U	5 U	--
	MW-45B-062817			6/28/2017	µg/L	1 U	1 U	**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-45B-060718	6/4/2018	25.13	6/7/2018	µg/L	1 U	1 U	**1.94**	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-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	--
	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-46-060518	6/4/2018	5.2	6/5/2018	µg/L	**294**	**1** U	**11.8**	**147**	1 U	**184**	5 U	--
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-47-060618	6/4/2018	13.92	6/6/2018	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-48B-060618	6/4/2018	15.91	6/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	**2.12**	5 U	--
	MW-48B-D-060618	6/4/2018	15.91	6/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	**2.11**	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-49-060518	6/4/2018	14.95	6/5/2018	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	--
	MW-50B-060618	6/4/2018	18.36	6/6/2018	µg/L	1 U	1 U	1 U	3 U	1 U	**21.8**	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", Febraury 2016

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

*Unable to collect depth to water due to fluctuation of the well from air bubbling.

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.

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

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

Attachment A
Field Logbooks, Gauging Sheets, and Purge Logs

Table 2 - DO Measurement List

SM: Tom Wiley **Client:** Plantation Pipe Line **Weather:** _____

PN: 699858.LD.MR.GW

Project: Monthly Monitoring **Measuring Method:** YSI proODO, Oil/Water Interface Probe

Technicians: _____ **Date:** _____

Sample Location	Time	PID Reading (ppm)	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Total Depth[1] (ft BTOC)	DO(mg/L)	Comments (i.e. lid bolted down, missing bolts, condition of cap, replace cap, vault bolted down, water in vault, smell, etc.)
Hayfield Zone							
MW-02	1255	28.3	-	0	20.58	11.90	has TROLL
MW-02B	1300	1.2	-	4.23	81.72	4.60	TD = 83.08
MW-03	1113	0	-	16.5	20.28	12.34	TD = 20.46
MW-04	1121	0	-	6.23	19.56	8.64	
MW-05	1134	0.2	-	10.47	19.90	--	
MW-07	1140	661.2	-	9.44	14.34	--	
MW-08	1428	-	-	5.63	19.84	-	has Skimmer, not gauged
MW-09	-	-	-	-	20.21	-	could not open
MW-10	0958	0	-	6.43	23.21	7.68	has BaroTROLL
MW-16	1410	102.5	-	-	20.58	-	sparge system on, could not get accurate reading, possible product
MW-18	1444	2058	11.70	12.12	20.11	-	
MW-30	1035	0	-	10.47	14.70	4.43	
MW-31	0926	0	-	17.25	28.03	--	TD = 28.30
MW-45	0935	0	-	24.15	14.45	--	TD = 34.04
TW-55	1330	0.3	-	0	27.33	12.02	
TW-64	0900	0	-	14.44	52.85	7.96	
TW-96	1020	0	-	0	27.33	10:62	TD = 28.50
Shallow Bedrock Zone							
MW-01	1318	35.6	-	3.83	16.58	1.24	has BaroTROLL TD = 15.57
MW-01B	13.21	0.3	-	6.47	44.52	1.15	TD = 21.81
MW-11	-	-	-	-	32.40	-	has Sock, not gauged
MW-22	1040	1.7	-	5.72	10.34	1.23	TD = 10.35

BTOC - below top of casing

ft - feet

PN - Project Number

[1]Total depths collected 4/5/18

ppm - parts per million

SM - Site Manager

- wells historically found to have product

Table 2 - DO Measurement List

SM: Tom Wiley **Client:** Plantation Pipe Line **Weather:** Sunny, 80°F

PN: 699858.LD.MR.GW

Project: Monthly Monitoring **Measuring Method:** YSI proODO, Oil/Water Interface Probe

Technicians: K. Sexton, E. Harker, B. Garvey, C. Camuba **Date:** 6-4-18

Sample Location	Time	PID Reading (ppm)	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Total Depth[1] (ft BTOC)	DO(mg/L)	Comments (i.e. lid bolted down, missing bolts, condition of cap, replace cap, vault bolted down, water in vault, smell, etc.)
Brown's Creek Protection Zone							
MW-12	1530	486.1	~~[illegible]~~ –	9.20	21.03	10.53	has TROLL TD=20.80
MW-12B	1535	9.4	–	9.83	44.31	1.24	TD = 49.12
Skimmer – MW-15	–	–	–	–	19.18	–	has ~~TROLL~~ Skimmer, not gauged
MW-15B	1745	46	–	13.84	80.90	3.88	
MW-25	1940	0	–	6.73	18.08	9.20	has TROLL
MW-25B	1945	0	–	3.41	53.13	5.55	TD= 59.65
MW-28	1637	0.8	–	19.52	26.08	4.85	
MW-34	1735	0.8	–	2.34	7.82	--	
MW-35	1950	0.5	–	8.15	26.26	--	TD= 28.25
MW-38	1750	0.2	–	1.20	11.51	--	
MW-39	1730	17.6	–	4.34	13.03	--	has TROLL
MW-40	1726	21.3	–	1.98	13.15	--	has TROLL
MW-41	1720	0	–	3.69	13.19	--	
MW-43	1810	0.1	–	4.28	10.30	--	
SW-01	1820	--	--	--	--	6.53	
SW-03	1620	--	--	--	--	9.50	
SW-12	1613	--	--	--	--	9.34	
SW-13	1605	--	--	--	--	6.09	
TW-59	1650	0.6	–	0	22.00	9.34	TD= 20.85
TW-60	1515	–	–	0	40.50	–	Bubbling out of casing, could not attain stable DO
TW-66	1700	0.2	–	0	23.70	10.33	
Cupboard Creek Protection Zone							
MW-19	0854	1675	–	7.81	12.15	4.20	12.14 - TD
– MW-20	–	–	–	–	19.40	–	has ~~TROLL~~ skimmer, not gauged
MW-23	0925	0.3	~~6.33~~ –	~~23.16~~ 16.33	23.21	–	TD- ~~23~~.11
MW-26	0912	1.3	~~2.01~~ –	~~17.12~~ 2.01	17.12	5.77	TD - 17.12
MW-29	1010	7.7	–	3.23	14.95	1.59	TD - 14.87 has TROLL
TW-67	1950	12.1	–	8.14	26.46	~~[illegible]~~ 11.69	TD - 24.30
TW-73	1955	23.7	–	13.09	14.07	10.80	TD= 13.74

Lewis Drive Monitoring Sheet 1

Name(s): K. Sexton, B. Gurney, E. Harker, C. Carruba
Date: 4-6-18
Weather: Sunny, 80°F

Contractor	# Personnel
Jacobs	
A&D/ECS	
Kinder Morgan	

Weekly Gauging

* Confirm all instances of LNAPL with a bailer.

Well ID	Depth to LNAPL* (ft BTOC)	Depth to Water (ft BTOC)	Total Depth (if requested)
RS-01	could not open, rusty lock		
RS-05			
RT-1A			
RT-1B			
RT-1C			
RT-2A	–	not there, cat	
RT-2B	–	0.68	2.28
RT-2C	–	0.95	9.30
RT-2D	–	1.20	7.01
RT-2E	–	1.34	8.32
RT-2F	–	1.66	9.32
RT-2G	–	1.08	9.99
RT-2H	–	damaged	–
RT-2I	–	1.02	9.99
RT-2J	–	bubbling out top	
RT-2K			
RT-2L	–	1.03	5.82
RW-02			
RW-04			
RW-05			
RW-06	–	23.38	
RW-07			
RW-09	–	8.95	39.78
RW-11	–	11.55	21.01
RW-12	–	11.95	16.89
RW-15			

These features only gauged once a month

Well ID	Depth to LNAPL* (ft BTOC)	Depth to Water (ft BTOC)	Total Depth (if requested)
RS-02			
RS-04	–	5.98	9.96
RS-06	–	7.12	23.68
RS-07	–	9.16	15.64
RS-08			
RS-09	–		
RS-10			
RS-11	–	6.25	17.24
RS-12	–	6.59	20.09
RS-13	–	3.14	17.50
RS-14			
RS-15	–	2.91	17.31
RS-16	–	3.18	18.58
RS-17			
RS-18	–	6.36	19.29
RS-19		damaged	
RS-20	–	3.80	10.80
RW-01	–	11.05	20.72
RW-03			
RW-08			
RW-10	–	8.95	58.61
~~RW-13~~	DO NOT GAUGE		
RW-14	–	9.97	44.56
MW-01			
MW-01B			

= locations with skimmers
= locations with socks
Red ID needs DO measurement

This column only gauged once per month

Well ID	Depth to LNAPL* (ft BTOC)	Depth to Water (ft BTOC)	Total Depth (if requested)
MW-02			
MW-02B			
MW-03			
MW-04			
MW-05			
MW-06	–	10.32	19.26
MW-06B	–	10.15	57.63
MW-07			
MW-08	–	–	–
MW-09**	–	–	–
MW-09B	–	5.70	138.0
MW-10			
MW-11	–	–	–
MW-12			
MW-12B			
MW-13	–	18.80	22.24
MW-13B	–	19.56	58.20
MW-14	–	13.48	22.24
MW-14B	–	15.09	67.34
MW-15	–	–	–
MW-15B			
MW-16			
MW-17	–	10.80	11.20
MW-17B	–	12.05	23.95
MW-18			
MW-19			
MW-20	–	–	–
MW-21	–	12.43	20.69
MW-22			
MW-23			
MW-23B	–	6.06	53.59
MW-24	–	4.45	15.32
MW-24B	–	5.12	47.10
MW-25			
MW-25B			
MW-26			
MW-26B	–	3.66	41.29
MW-27	–	22.55	29.82
MW-27B	–	28.42	50.48
MW-28			
MW-29			
MW-30			
MW-31			
MW-31B	–	17.72	72.70
MW-32	–	21.16	28.85
MW-33	–	22.35	29.69
MW-33T	–	27.56	100.20
MW-34			
MW-35	–	8.15	25.25
MW-36	–	15.21	23.67
MW-36B	–	14.94	56.0
MW-37	–	3.26	18.11
MW-38			
MW-39			
MW-40			

**well plug blown out last month, use caution
*gauging not needed, only DO

This column only gauged once per month

Well ID	Depth to LNAPL* (ft BTOC)	Depth to Water (ft BTOC)	Total Depth (if requested)
MW-41			
MW-42	–	5.37	13.38
MW-43			
MW-43B	–	0.9	55.70
MW-44	–	3.16	9.76
MW-44B	–	9.50	34.49
MW-45			
MW-45B	–	25.13	31.42
MW-46	–	5.20	17.10
MW-47	–	13.92	22.83
MW-48B	–	15.91	78.29
MW-49	–	14.95	23.35
MW-50B	–	18.36	108.65
TW-04R	–	1.64	5.25
TW-05R	–	1.40	7.60
TW-14R	–	2.85	5.00
TW-15R	–	1.02	1.95
TW-21	–	0.25	9.81
TW-28	–	20.09	28.46
TW-30	–	18.95	23.26
TW-34	–	22.14	22.24
TW-35	–	22.67	22.73
TW-40	–	25.83	31.45
TW-41	–	23.46	31.59
TW-42	22.14	22.79	27.85
TW-45	–	24.15	34.04
TW-46		damaged	
TW-55			
TW-59			
TW-60			
TW-64			
TW-65	–	18.54	42.72
TW-66			
TW-67			
TW-68			
TW-69			
TW-70	–	16.39	42.05
TW-73			
TW-76	–	10.32	38.92
TW-81	–	0.03	6.22
TW-82	–	0.6	9.30
TW-83	–	0.67	14.96
TW-84	–	1.99	3.75
TW-85	–	0	39.30
TW-86	–	3.10	5.62
TW-87	–	3.30	6.83
TW-90	–	0	46.0
TW-94	–	0	39.37
TW-96			
SW-01			
SW-02	–	1.74	
SW-03			
SW-05	–	no water (dry)	
SW-08	–	0.86	
SW-10	–	0.44	
SW-12*			
SW-13*			

Table 1. Wells With Measurable Product Thickness

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

	Installation	Week
Date:	2/13/2018	6/7/2018

Well Identifier[1]	Initial skimmer type	Volume of product recovered (fl oz)	Replacement skimmer type	DTW	Recommendation
MW-08	2" D, 1-L	0		6.22	2-inch diameter, 1-liter passive skimmer
MW-15	2" D, 1-L	0		10.56	2-inch diameter, 1-liter passive skimmer
MW-20	2" D, 1-L	1.0		8.50	2-inch diameter, 1-liter passive skimmer
RS-01	4"D, 4-L	could not open - lock rusty		—	4-inch diameter, 4-liter passive skimmer
RS-02	4"D, 4-L	1.0		4.65	4-inch diameter, 4-liter passive skimmer
RS-05	4"D, 4-L	1.0		6.64	4-inch diameter, 4-liter passive skimmer
RS-10	4"D, 4-L	0		5.69	4-inch diameter, 4-liter passive skimmer
RS-14	4"D, 4-L	1.0		3.85	4-inch diameter, 4-liter passive skimmer
RS-17	4"D, 4-L	1.0		3.02	4-inch diameter, 4-liter passive skimmer
RW-02	4"D, 4-L	1.0		20.17	4-inch diameter, 1-liter passive skimmer
RW-03	4"D, 1-L	~~2~~ 1.0		21.30	4-inch diameter, 4-liter passive skimmer
RW-04	4"D, 4-L	~~2~~ 2.0		26.12	4-inch diameter, 4-liter passive skimmer
RW-05	4"D, 4-L	~~2~~ 2.3		29.99	4-inch diameter, 4-liter passive skimmer
RW-07	4"D, 4-L	0		20.40	4-inch diameter, 4-liter passive skimmer
RW-08	4"D, 4-L	0		—	4-inch diameter, 4-liter passive skimmer
RW-15	4"D, 4-L	0		10.34	4-inch diameter, 4-liter passive skimmer

Table 2. Socks

	Installation	Week
Date:	2/13/2018	

Well Identifier[1]	Weight of empty sock (~~lbs~~) g	Weight of sock (~~lbs~~) g	Replaced? (Y/N)	If replaced, record weight of empty sock (~~lbs~~) g.	Recommendation
MW-11	105	690	Y	80	Oil-only absorbent sock
RS-08	not installed	825	Y	90	Oil-only absorbent sock
RT-2K	not installed	700	Y	110	Oil-only absorbent sock
RT-1A	not installed	785	Y	90	Oil-only absorbent sock

						DTW
RT-1B	not installed	155	4	90	Oil-only absorbent sock	9.91
RT-1C	not installed	120	4	90	Oil-only absorbent sock	10.50

ch2m.

PROJECT NUMBER	WELL NUMBER
699858.LD.MR.GW	SHEET 1 OF 1

LOW FLOW SAMPLING LOG

Well Number: MW-19
Field Crew: K. Sexton
Well Depth (ft): 12.15
DTW (ft): 10.04
Water Column (ft): 2.11
Well Diameter (in): ~~1.5~~ 2"
Gal. Per ft: ~~.143~~ .163
Well volume (gal): .343
Depth of Screen (ft):

Purge Methodology: low flow

Site: Lewis Drive Site, Belton, SC
Date: 6-5-18

Diameter	Gal. Per Foot	Diameter	Gal. Per Foot
(2")	(0.163)	5"	1.02
3"	0.367	6"	1.469
4"	0.653	8"	2.611

Water level indicator, serial number: 27681, solinst
Pump type (please circle): (Peristaltic) Bladder
Pump serial number: 034906

PID reading: opening well ~ after venting, if initially high 134 middle of sampling 1212 closing well —

Field Parameters

Time	DTW (toc)	Flow Rate (ml/min)	Total Volume (gal)	pH (Std. Units)	Temp (°C)	Cond. (mS/cm)	ORP (mV)	D.O. (mg/L)	Turbidity (NTU)	Color/Odor
Stabilization	<0.33' or 4"	100-500	NA	±0.1 SU	±1°C	±5%	±20 mV	within 0.2 mg/L	±10% or < 10	NA
1122	10.04	150		6.55	21.34	.206	81.2	3.57	244	brown, murky, silt
1127	10.41	150	.2	5.76	19.07	.190	76.7	2.78	188	"
1132	10.87	150	.4	5.66	19.07	.171	84.3	5.03	116.8	
1137	11.25	150	.6	5.56	18.84	.168	100.7	4.41	86.1	
1139	12.15	—	—	—	—	—	—	—	—	dry

Remarks: well purged dry with 2 well volumes purged - will sample after recovery on 6-6-18, Fe^{+2} = 2.0 mg/L

SAMPLING INFORMATION:

Depth to Water Before Sampling: 7.45 Depth sample was acquired: 12'
Sample Methodology: Straw
Sample Date/Time: 6-6-18, 0747
Signed Sampler: MO
Filtered Metals Collected: Y / (N) Filter Size: ~
Sample Observations: sparge system very active, pushed water level back up
Parameters (please circle): (VOCs) SVOCs Dissolved Metals Other:

alk., nitrate, Ferrous Iron, Methane

86

Location BELTON, SC Date 6-4-18

Project / Client LEWIS Dr

AUTHOR: K. SEXTON

TASK: Groundwater ~~gauging~~ ~~Sampling~~ and Surfacewater gauging

TEAM: K. Sexton, B. Garvey, C. Cannobba, E. Harker

Equipment: ① Mini Rae # 037608 cal# MBH-248-100-8
② Mini Rae # 038258 cal# GBH-248-100-18
③ Solinst # 27681 ⑤ ODO
④ Solinst # 37062 ⑥ YSI 550 DO

0700 Team onsite, hold PtSp

0715 Begin cal.
① 0.0, 100.0
② 0.0, 100.0

0730 Begin ~~gauging~~

1145 Break for lunch, attempt to contact O'Dell Farm

1230 Return onsite

2000 Team completes gauging 6-4-18

2015 Team offsite

Location Belton, SC
Project / Client Lewis Drive quarterly groundwater event
Date 6/5/18

0800 morning info located in office
Geld logbook.
0920 Collect MW-26B-060518
0940 collect MW-26-060518
0952 Collect MW-23-060518
1002 Collect MW-23B-060518
1038 collect MW-44-060518
1045 collect MW-44B-060518
1110 collect MW-27B-060518
1120 collect MW-27-060518
1135 Collect MW-01B-060518
1140 collect FB01-060518
1220 off-site for lunch
1310 back on site from lunch. will continue collecting samples with Hydrasleeves.
1340 Collect MW-01-060518 Ferrous Iron = 0.0ppm Sample
~~1400 Collect MW-28-060518~~
will require low-flow.
1440 Collect MW-12-060518
Ferrous Iron = 0.0 ppm
1505 Collect MW-25-060518
Ferrous Iron = 0.0 ppm
1522 Collect MW-42-060518
Ferrous Iron = 0.0 ppm

Location Belton, SC
Project / Client Lewis Dr. / Qtrly GW sampling
Date 6-5-18

1550 Collect MW-40-060518
Ferrous Iron = 0.0 ppm
1600 Headed back to staging area to finish COCs, organize samples, and pick-up coolers for shipping to FedEx/ESC labs.
1700 ~~Off~~ B. Harvey & E. Hasker off site to ship cooler / FedEX.
Note: MW-44B-D-060518 collected @1045.

Off
6/5/18

Location Belton, SC Date 6-5-18

Project / Client Lewis Dr.

K. Sexton

TASK: Groundwater sampling

TEAM: K. Sexton, B. Gainey, E. Harker, J. Morgan

Equip.: see pg 83

0800 TEAM onsite, hold PTSP

0810 Prep field equip.

0850 Begin sampling

0900 MW-29-060518 VOC

0910 ~~MW-19-060518~~ MNA (#5)

0915 No water recovered in hydrasleeve. Re-gauged DTW at 10.04'. Call Tom Wiley and decide to low flow. Will return later after calibration

0935 MW-46-060518 VOC

0945 Begin calibrating EXO #30194

Parameter	Pre	Post	Lot #	Expiration
DO	104.4	~~10.45~~ 99.1	-	-
cond	1314.7	1413	7GL849	12/18
ORP 00	7.32	0	C800582	10/18
ORP 124	124.29	124	1818.44011	02/19
pH4	4.02	4.0	0703F77	3/19
pH7	7.11	7.0	2708A14	7/23/19
pH10	10.06	10.0	2709A29	3/19
ORP	236.1	240.1	0647	10/2021

1045 Calibration complete. Set up on MW-19

1111 Begin purging MW-19

1122 Fixed pump - began purging

Date

1139 MW-19 dry

1210 MW-22-060518 MNA Fe= 0.5 mg/L

1225 Break for lunch

1315 Return from lunch

1320 Go gauge MW-08, 11, 15, +20 with skimmers

	DTP	DTW	DTB
MW20	8.49	8.50	19.45
MW08	–	6.22	19.74
MW11	–	22.29	38.98
MW15	–	10.56	19.04

1400 Begin sampling Brown's Creek Area

1415 MW-49-060518

1425 MW-12B-060518

1440 MW-25B-060518

1450 MW-41-060518

1510 MW-37-060518

1520 MW-38-060518

1530 MW-34-060518

1540 MW-39-060518

1625 MW-28-060518 MNA Fe= 2.25 mg/L

1640 Was approached down by Creek by a man named "John". Possibly a local. Claimed to be looking for fish. Drove a white GMC truck. Had 2 passengers, looked to be teens.

Location _____ Date _____

Project / Client _____

8

1700 Pack coolers. B. Garvey & E. Harker take coolers to FedEx. K. Sexton & J. Morgan to clean site and prep for tomorrow.

1715 Off site

Rite in the Rain

Location Belton, SC Date 6-6-18

Project / Client Lewis Drive
K. Sexton

TASK: Groundwater sampling
Team: See pg. 87
Equip: See pg 83

0700 team onsite
0715 Hold PtSp
0730 prep field equip. Set up on MW-19
0735 calibrate PID, 0.0 & 100.0
0747 MW-19-060618 MNA Fe^{+2} = 2.0
0834 Head over to Brown's Creek to finish area
0900 MW-35-060618 MNA, Fe^{+2} = 0.0
0925 MW-15-060618 MNA, Fe^{+2} = 0.0
0940 Meet Scott Schmida for access to MW-09.
1000 Weigh & replace sock at MW-11. Thick product on sock, decide to not sample.
1020 Meet back up with B. Garvey to discuss plan
1040 Mob to Mayfield
1100 MW-04-060618 MNA Fe^{+2} = 0.0
1117 MW-03-060618 MNA Fe^{+2} = 0.0
1135 Hydrasleeve fell off clip into well, go to compound to get hooks and fishing line
1200 Break for lunch
1215 Team back on site
1250 Begin fishing MW02
1415 Removed dropped sleeve from MW02

Location Date

Project / Client

1440 MW-02-060618 MNA Fe^{+2} = 0.0
1450 Talk to Scott Schmida about rods. Agree to pick up on Friday.
1500 Gauge MW-09, PID = 12.1, DTW = 0, DTB = 19.70
1525 MW-09-060618 MNA Fe^{+2} = 0.0
1540 House keeping and cooler prep
1620 B. Garvey + E. Harker offsite
1630 K. Sexton + J. Morgan offsite

Rite in the Rain

Location Belton, SC Date 6·6·18

Project / Client Lewis Dr. / Qtrly GW Sampling

0700 B Garvey & E Harker arrived on-site. Morning H&S meeting and daily objectives are in the other field logbook.

0740 Headed to Brown's Creek area to keep sampling w/ Hydrasleeves

0755 Collect MW-43B-060618

0805 Collect MW-43-060618

0820 Collect MW-24-060618

0830 Collect MW-24B-060618

0900 Collect MW-15B-060618

0940 Collect MW-14B-060618

0950 Collect MW-14-060618

1010 Collect MW-13B-060618

1020 Collect MW-13-060618

1045 Collect MW-47-060618

1055 Collect MW-31-060618

1107 Collect MW-33T-060618

1125 Collect MW-48B-060618 and MW-48B-D-060618

1138 Collect FB02-060618

1313 Collect MW-50B-060618

Note: off-site for lunch ~ 1155. Back on-site ~ 1245.

1345 Collect MW-32-060618

Ferrous Iron = 0.00ppm

Location Belton, SC Date 6·6·18

Project / Client Lewis Dr. / Qtrly GW Sampling

1405 Collect MW-10-060618

Ferrous Iron = 0.0ppm

1440 Collect MW-08-060618

Ferrous Iron = 0.0ppm

1500 Collect MW-30-060618

1510 Collect MW-02B-060618

1527 Collect MW-09B-060618

1540 Head back to staging area to fill-out COCs, organize samples, and pack-up coolers for shipping to ESC.

1620 B Garvey & E Harker off-site for the day.

RL 6·6·18

Location Belton, SC Date 6-7-18

Project / Client Lewis Dr.

K. Sexton

TASK Complete Groundwater sampling and Surface water sampling

TEAM See page 83

Equipment See pg 83

0700 Team onsite

0715 Hold HtSP

0720 Begin hike to SW-11

0825 Arrive at SW-11

0830 SW-11-060718 - no sheen

0845 SW-10-060718 - bio sheen

0855 FP-01-060718 - no sheen

0905 FP-02-060718 - no sheen

0915 SW-09-060718 - no sheen

0920 SW-08-060718 - bio sheen

0926 SW-13-060718 - bio sheen

1020 FP-03-060718 - bio sheen

1045 SW-12-060718 - no sheen

1056 SW-03-060718 - no sheen water level low

1105 SW-01-060718 - no sheen

1115 SW-07-060718 - no sheen W.L. low

1125 SW-02-060718 - no sheen

1135 SW-04-060718 - no sheen

Location Date 6-7-18

Project / Client

1150 SW-14-060718 - bio sheen

1210 Break for lunch

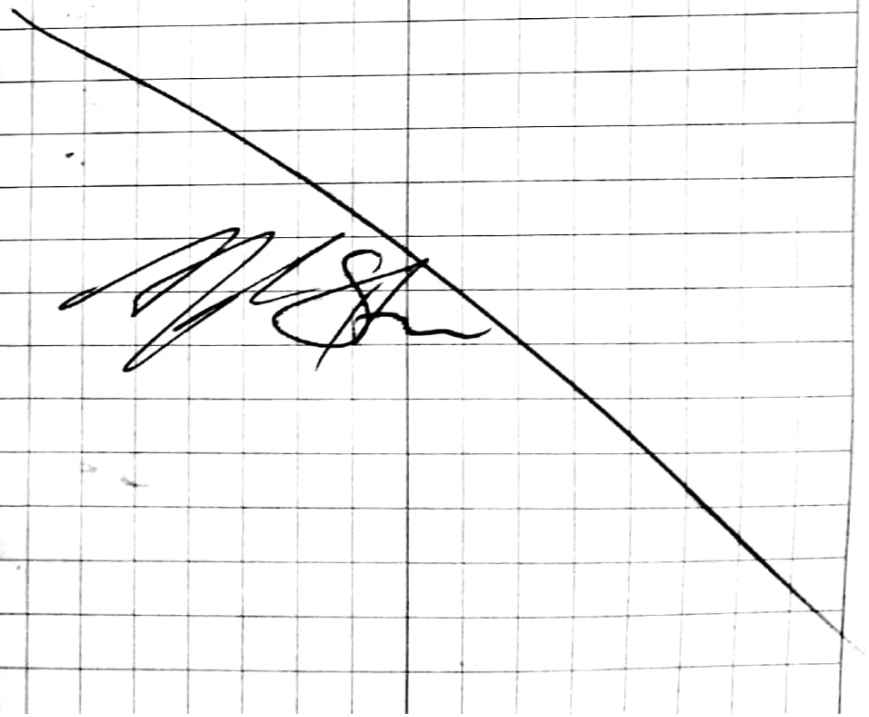
1300 Return from lunch

1310 Begin TROLL data collection

1400 Finish TROLL collection. Meet up with B. Garvey & E. Hunter

1655 B. Garvey & E. Hunter offsite, complete housekeeping.

1730 K. Sexton & J. Morgan offsite



Location Belton, SC Date 6.7.18

Project / Client Lewis Dr. / Qtrly GW Sampling

0700 B. Garvey & E Harter arrive on-site. Begin organizing car & VOA vials for each team to get day started. One team will do Surface water sampling, the other will complete the Hydrasleeve sampling.

H&S topic - end of the week, don't rush. make sure each task is completed.

0800 Collect MW-45-060718

0810 Collect MW-45B-060718

0820 Collect MW-21-060718

0835 Collect MW-17B-060718
MW-17B-D-060718

0855 Collect ~~MW~~ FB03-060718

0910 Collect MW-05-060718

0920 Collect MW-06-060718

0930 Collect MW-06B-060718

1015 Collect MW-36-060718

1025 Collect MW-36B-060718

1050 Return to the staging area and get the cooler/samples organized.

1205 Off-site for lunch

1300 returned from lunch

Location Belton, SC Date 6.7.18

Project / Client Lewis Dr / Qtrly GW Sampling

1320 Leaving staging area to go do product recovery.

1630 Completed product recovery headed to FedEx to drop samples

1655 B Garvey & E. Harter off-site for day.

BJ 6.7.18

Attachment B
Surface Water Analytical Laboratory Report

ANALYTICAL REPORT

June 20, 2018

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1002917
Samples Received:	06/08/2018
Project Number:	699858
Description:	Lewis Drive Groundwater
Site:	KM-LEWIS DR
Report To:	Bethany Garvey 6600 Peachtree Dunwoody Road 400 Embassy Row - Suite 600 Atlanta, GA 30328

Entire Report Reviewed By:

Chris McCord
Technical Service Representative

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

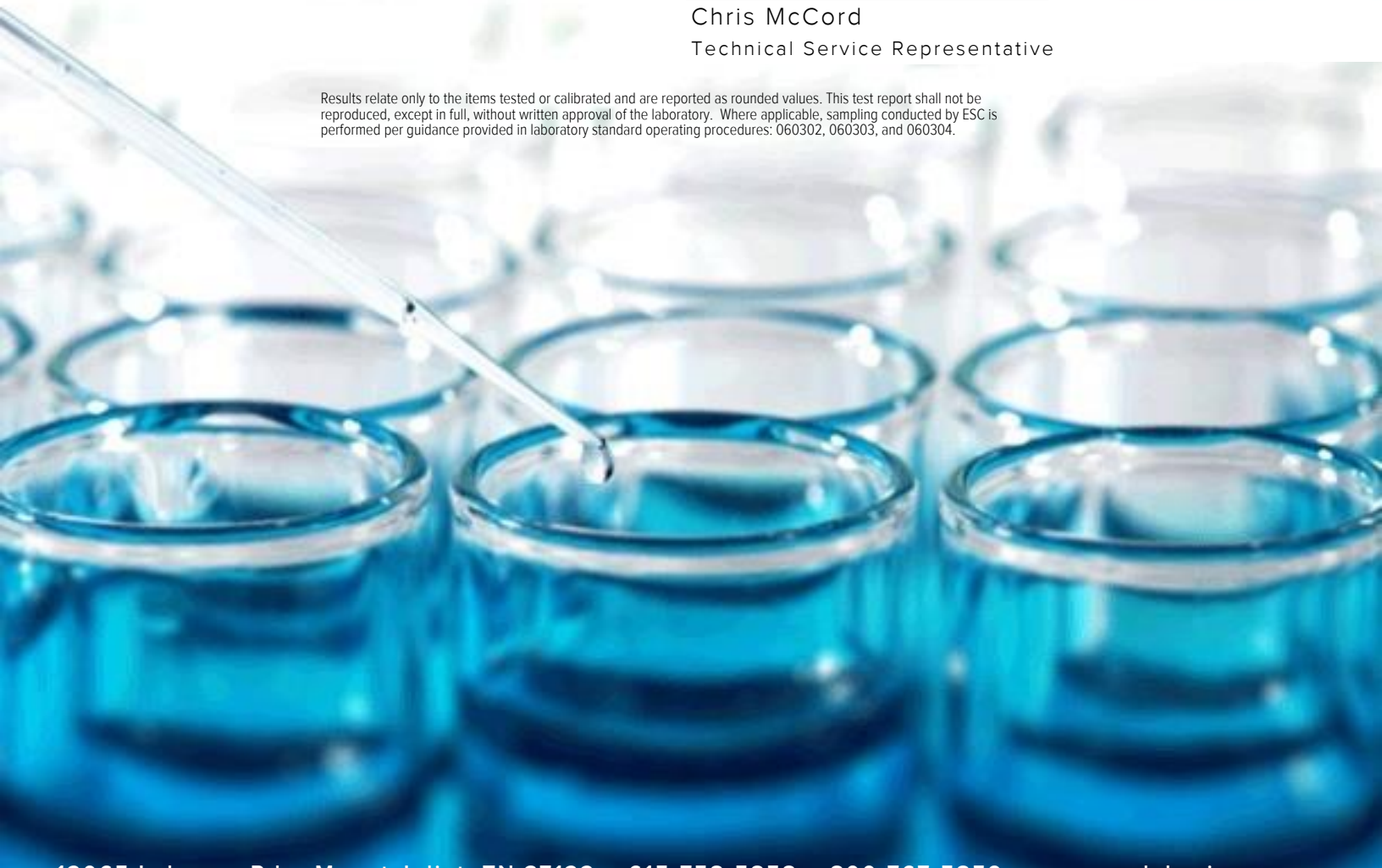


TABLE OF CONTENTS

SW-11-060718 L1002917-01 GW

Collected by: BG/EH | Collected date/time: 06/07/18 08:30 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	1	06/11/18 12:12	06/11/18 12:12	JHH

SW-10-060718 L1002917-02 GW

Collected by: BG/EH | Collected date/time: 06/07/18 08:45 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	1	06/11/18 12:34	06/11/18 12:34	JHH

FP-01-060718 L1002917-03 GW

Collected by: BG/EH | Collected date/time: 06/07/18 08:55 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	1	06/11/18 12:55	06/11/18 12:55	JHH

FP-02-060718 L1002917-04 GW

Collected by: BG/EH | Collected date/time: 06/07/18 09:05 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	1	06/11/18 13:17	06/11/18 13:17	JHH

SW-09-060718 L1002917-05 GW

Collected by: BG/EH | Collected date/time: 06/07/18 09:15 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	1	06/11/18 13:39	06/11/18 13:39	JHH

SW-08-060718 L1002917-06 GW

Collected by: BG/EH | Collected date/time: 06/07/18 09:20 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	1	06/11/18 14:00	06/11/18 14:00	JHH

SW-13-060718 L1002917-07 GW

Collected by: BG/EH | Collected date/time: 06/07/18 09:25 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	1	06/11/18 14:22	06/11/18 14:22	JHH

FP-03-060718 L1002917-08 GW

Collected by: BG/EH | Collected date/time: 06/07/18 10:20 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	1	06/11/18 14:44	06/11/18 14:44	JHH

SW-01-060718 L1002917-09 GW

Collected by: BG/EH | Collected date/time: 06/07/18 11:05 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	1	06/11/18 15:05	06/11/18 15:05	JHH

SW-07-060718 L1002917-10 GW

Collected by: BG/EH | Collected date/time: 06/07/18 11:15 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	1	06/11/18 15:27	06/11/18 15:27	JHH

SW-12-060718 L1002917-11 GW

Collected by: BG/EH | Collected date/time: 06/07/18 10:45 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122609	1	06/11/18 02:35	06/11/18 02:35	JHH

SW-03-060718 L1002917-12 GW

Collected by: BG/EH | Collected date/time: 06/07/18 10:55 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122609	1	06/11/18 02:55	06/11/18 02:55	JHH

SW-02-060718 L1002917-13 GW

Collected by: BG/EH | Collected date/time: 06/07/18 11:25 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122609	1	06/11/18 03:16	06/11/18 03:16	JHH

SW-04-060718 L1002917-14 GW

Collected by: BG/EH | Collected date/time: 06/07/18 11:35 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122609	1	06/11/18 03:36	06/11/18 03:36	JHH

SW-14-060718 L1002917-15 GW

Collected by: BG/EH | Collected date/time: 06/07/18 11:50 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122609	1	06/11/18 03:56	06/11/18 03:56	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.

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	06/11/2018 12:12	WG1122619
Toluene	ND		1.00	1	06/11/2018 12:12	WG1122619
Ethylbenzene	ND		1.00	1	06/11/2018 12:12	WG1122619
o-Xylene	ND		1.00	1	06/11/2018 12:12	WG1122619
m&p-Xylene	ND		2.00	1	06/11/2018 12:12	WG1122619
Total Xylenes	ND		3.00	1	06/11/2018 12:12	WG1122619
Methyl tert-butyl ether	ND		1.00	1	06/11/2018 12:12	WG1122619
Naphthalene	ND		5.00	1	06/11/2018 12:12	WG1122619
(S) Toluene-d8	*105*		*80.0-120*		*06/11/2018 12:12*	WG1122619
(S) Dibromofluoromethane	*96.9*		*76.0-123*		*06/11/2018 12:12*	WG1122619
(S) 4-Bromofluorobenzene	*104*		*80.0-120*		*06/11/2018 12:12*	WG1122619

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	06/11/2018 12:34	WG1122619
Toluene	ND		1.00	1	06/11/2018 12:34	WG1122619
Ethylbenzene	ND		1.00	1	06/11/2018 12:34	WG1122619
o-Xylene	ND		1.00	1	06/11/2018 12:34	WG1122619
m&p-Xylene	ND		2.00	1	06/11/2018 12:34	WG1122619
Total Xylenes	ND		3.00	1	06/11/2018 12:34	WG1122619
Methyl tert-butyl ether	ND		1.00	1	06/11/2018 12:34	WG1122619
Naphthalene	ND		5.00	1	06/11/2018 12:34	WG1122619
(S) Toluene-d8	*101*		*80.0-120*		*06/11/2018 12:34*	WG1122619
(S) Dibromofluoromethane	*98.5*		*76.0-123*		*06/11/2018 12:34*	WG1122619
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*06/11/2018 12:34*	WG1122619

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	06/11/2018 12:55	WG1122619
Toluene	ND		1.00	1	06/11/2018 12:55	WG1122619
Ethylbenzene	ND		1.00	1	06/11/2018 12:55	WG1122619
o-Xylene	ND		1.00	1	06/11/2018 12:55	WG1122619
m&p-Xylene	ND		2.00	1	06/11/2018 12:55	WG1122619
Total Xylenes	ND		3.00	1	06/11/2018 12:55	WG1122619
Methyl tert-butyl ether	ND		1.00	1	06/11/2018 12:55	WG1122619
Naphthalene	ND		5.00	1	06/11/2018 12:55	WG1122619
(S) Toluene-d8	*100*		*80.0-120*		*06/11/2018 12:55*	WG1122619
(S) Dibromofluoromethane	*98.9*		*76.0-123*		*06/11/2018 12:55*	WG1122619
(S) 4-Bromofluorobenzene	*103*		*80.0-120*		*06/11/2018 12:55*	WG1122619

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	06/11/2018 13:17	WG1122619
Toluene	ND		1.00	1	06/11/2018 13:17	WG1122619
Ethylbenzene	ND		1.00	1	06/11/2018 13:17	WG1122619
o-Xylene	ND		1.00	1	06/11/2018 13:17	WG1122619
m&p-Xylene	ND		2.00	1	06/11/2018 13:17	WG1122619
Total Xylenes	ND		3.00	1	06/11/2018 13:17	WG1122619
Methyl tert-butyl ether	ND		1.00	1	06/11/2018 13:17	WG1122619
Naphthalene	ND		5.00	1	06/11/2018 13:17	WG1122619
(S) Toluene-d8	*101*		*80.0-120*		*06/11/2018 13:17*	WG1122619
(S) Dibromofluoromethane	*98.7*		*76.0-123*		*06/11/2018 13:17*	WG1122619
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*06/11/2018 13:17*	WG1122619

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	06/11/2018 13:39	WG1122619
Toluene	ND		1.00	1	06/11/2018 13:39	WG1122619
Ethylbenzene	ND		1.00	1	06/11/2018 13:39	WG1122619
o-Xylene	ND		1.00	1	06/11/2018 13:39	WG1122619
m&p-Xylene	ND		2.00	1	06/11/2018 13:39	WG1122619
Total Xylenes	ND		3.00	1	06/11/2018 13:39	WG1122619
Methyl tert-butyl ether	ND		1.00	1	06/11/2018 13:39	WG1122619
Naphthalene	ND		5.00	1	06/11/2018 13:39	WG1122619
(S) Toluene-d8	*102*		*80.0-120*		*06/11/2018 13:39*	WG1122619
(S) Dibromofluoromethane	*98.3*		*76.0-123*		*06/11/2018 13:39*	WG1122619
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*06/11/2018 13:39*	WG1122619

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	06/11/2018 14:00	WG1122619
Toluene	ND		1.00	1	06/11/2018 14:00	WG1122619
Ethylbenzene	ND		1.00	1	06/11/2018 14:00	WG1122619
o-Xylene	ND		1.00	1	06/11/2018 14:00	WG1122619
m&p-Xylene	ND		2.00	1	06/11/2018 14:00	WG1122619
Total Xylenes	ND		3.00	1	06/11/2018 14:00	WG1122619
Methyl tert-butyl ether	ND		1.00	1	06/11/2018 14:00	WG1122619
Naphthalene	ND		5.00	1	06/11/2018 14:00	WG1122619
(S) Toluene-d8	*102*		*80.0-120*		*06/11/2018 14:00*	WG1122619
(S) Dibromofluoromethane	*98.5*		*76.0-123*		*06/11/2018 14:00*	WG1122619
(S) 4-Bromofluorobenzene	*103*		*80.0-120*		*06/11/2018 14:00*	WG1122619

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	2.99		1.00	1	06/11/2018 14:22	WG1122619
Toluene	2.48		1.00	1	06/11/2018 14:22	WG1122619
Ethylbenzene	ND		1.00	1	06/11/2018 14:22	WG1122619
o-Xylene	ND		1.00	1	06/11/2018 14:22	WG1122619
m&p-Xylene	ND		2.00	1	06/11/2018 14:22	WG1122619
Total Xylenes	ND		3.00	1	06/11/2018 14:22	WG1122619
Methyl tert-butyl ether	8.08		1.00	1	06/11/2018 14:22	WG1122619
Naphthalene	ND		5.00	1	06/11/2018 14:22	WG1122619
(S) Toluene-d8	*102*		*80.0-120*		*06/11/2018 14:22*	WG1122619
(S) Dibromofluoromethane	*98.3*		*76.0-123*		*06/11/2018 14:22*	WG1122619
(S) 4-Bromofluorobenzene	*103*		*80.0-120*		*06/11/2018 14:22*	WG1122619

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	06/11/2018 14:44	WG1122619
Toluene	ND		1.00	1	06/11/2018 14:44	WG1122619
Ethylbenzene	ND		1.00	1	06/11/2018 14:44	WG1122619
o-Xylene	ND		1.00	1	06/11/2018 14:44	WG1122619
m&p-Xylene	ND		2.00	1	06/11/2018 14:44	WG1122619
Total Xylenes	ND		3.00	1	06/11/2018 14:44	WG1122619
Methyl tert-butyl ether	ND		1.00	1	06/11/2018 14:44	WG1122619
Naphthalene	ND		5.00	1	06/11/2018 14:44	WG1122619
(S) Toluene-d8	*101*		*80.0-120*		*06/11/2018 14:44*	WG1122619
(S) Dibromofluoromethane	*99.2*		*76.0-123*		*06/11/2018 14:44*	WG1122619
(S) 4-Bromofluorobenzene	*103*		*80.0-120*		*06/11/2018 14:44*	WG1122619

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	06/11/2018 15:05	WG1122619
Toluene	ND		1.00	1	06/11/2018 15:05	WG1122619
Ethylbenzene	ND		1.00	1	06/11/2018 15:05	WG1122619
o-Xylene	ND		1.00	1	06/11/2018 15:05	WG1122619
m&p-Xylene	ND		2.00	1	06/11/2018 15:05	WG1122619
Total Xylenes	ND		3.00	1	06/11/2018 15:05	WG1122619
Methyl tert-butyl ether	1.43		1.00	1	06/11/2018 15:05	WG1122619
Naphthalene	ND		5.00	1	06/11/2018 15:05	WG1122619
(S) Toluene-d8	*102*		*80.0-120*		*06/11/2018 15:05*	WG1122619
(S) Dibromofluoromethane	*102*		*76.0-123*		*06/11/2018 15:05*	WG1122619
(S) 4-Bromofluorobenzene	*104*		*80.0-120*		*06/11/2018 15:05*	WG1122619

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	06/11/2018 15:27	WG1122619
Toluene	ND		1.00	1	06/11/2018 15:27	WG1122619
Ethylbenzene	ND		1.00	1	06/11/2018 15:27	WG1122619
o-Xylene	ND		1.00	1	06/11/2018 15:27	WG1122619
m&p-Xylene	ND		2.00	1	06/11/2018 15:27	WG1122619
Total Xylenes	ND		3.00	1	06/11/2018 15:27	WG1122619
Methyl tert-butyl ether	ND		1.00	1	06/11/2018 15:27	WG1122619
Naphthalene	ND		5.00	1	06/11/2018 15:27	WG1122619
(S) Toluene-d8	*102*		*80.0-120*		*06/11/2018 15:27*	WG1122619
(S) Dibromofluoromethane	*102*		*76.0-123*		*06/11/2018 15:27*	WG1122619
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*06/11/2018 15:27*	WG1122619

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	06/11/2018 02:35	WG1122609
Toluene	ND		1.00	1	06/11/2018 02:35	WG1122609
Ethylbenzene	ND		1.00	1	06/11/2018 02:35	WG1122609
o-Xylene	1.64		1.00	1	06/11/2018 02:35	WG1122609
m&p-Xylene	3.24		2.00	1	06/11/2018 02:35	WG1122609
Total Xylenes	4.88		3.00	1	06/11/2018 02:35	WG1122609
Methyl tert-butyl ether	ND		1.00	1	06/11/2018 02:35	WG1122609
Naphthalene	ND		5.00	1	06/11/2018 02:35	WG1122609
(S) Toluene-d8	*99.5*		*80.0-120*		*06/11/2018 02:35*	WG1122609
(S) Dibromofluoromethane	*108*		*76.0-123*		*06/11/2018 02:35*	WG1122609
(S) 4-Bromofluorobenzene	*110*		*80.0-120*		*06/11/2018 02:35*	WG1122609

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	06/11/2018 02:55	WG1122609
Toluene	ND		1.00	1	06/11/2018 02:55	WG1122609
Ethylbenzene	ND		1.00	1	06/11/2018 02:55	WG1122609
o-Xylene	ND		1.00	1	06/11/2018 02:55	WG1122609
m&p-Xylene	ND		2.00	1	06/11/2018 02:55	WG1122609
Total Xylenes	ND		3.00	1	06/11/2018 02:55	WG1122609
Methyl tert-butyl ether	ND		1.00	1	06/11/2018 02:55	WG1122609
Naphthalene	ND		5.00	1	06/11/2018 02:55	WG1122609
(S) Toluene-d8	*97.4*		*80.0-120*		*06/11/2018 02:55*	WG1122609
(S) Dibromofluoromethane	*106*		*76.0-123*		*06/11/2018 02:55*	WG1122609
(S) 4-Bromofluorobenzene	*113*		*80.0-120*		*06/11/2018 02:55*	WG1122609

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	06/11/2018 03:16	WG1122609
Toluene	ND		1.00	1	06/11/2018 03:16	WG1122609
Ethylbenzene	ND		1.00	1	06/11/2018 03:16	WG1122609
o-Xylene	ND		1.00	1	06/11/2018 03:16	WG1122609
m&p-Xylene	ND		2.00	1	06/11/2018 03:16	WG1122609
Total Xylenes	ND		3.00	1	06/11/2018 03:16	WG1122609
Methyl tert-butyl ether	1.92		1.00	1	06/11/2018 03:16	WG1122609
Naphthalene	ND		5.00	1	06/11/2018 03:16	WG1122609
(S) Toluene-d8	*94.9*		*80.0-120*		*06/11/2018 03:16*	WG1122609
(S) Dibromofluoromethane	*109*		*76.0-123*		*06/11/2018 03:16*	WG1122609
(S) 4-Bromofluorobenzene	*111*		*80.0-120*		*06/11/2018 03:16*	WG1122609

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	06/11/2018 03:36	WG1122609
Toluene	ND		1.00	1	06/11/2018 03:36	WG1122609
Ethylbenzene	ND		1.00	1	06/11/2018 03:36	WG1122609
o-Xylene	ND		1.00	1	06/11/2018 03:36	WG1122609
m&p-Xylene	ND		2.00	1	06/11/2018 03:36	WG1122609
Total Xylenes	ND		3.00	1	06/11/2018 03:36	WG1122609
Methyl tert-butyl ether	1.31		1.00	1	06/11/2018 03:36	WG1122609
Naphthalene	ND		5.00	1	06/11/2018 03:36	WG1122609
(S) Toluene-d8	*97.5*		*80.0-120*		*06/11/2018 03:36*	WG1122609
(S) Dibromofluoromethane	*105*		*76.0-123*		*06/11/2018 03:36*	WG1122609
(S) 4-Bromofluorobenzene	*112*		*80.0-120*		*06/11/2018 03:36*	WG1122609

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	06/11/2018 03:56	WG1122609
Toluene	ND		1.00	1	06/11/2018 03:56	WG1122609
Ethylbenzene	ND		1.00	1	06/11/2018 03:56	WG1122609
o-Xylene	ND		1.00	1	06/11/2018 03:56	WG1122609
m&p-Xylene	ND		2.00	1	06/11/2018 03:56	WG1122609
Total Xylenes	ND		3.00	1	06/11/2018 03:56	WG1122609
Methyl tert-butyl ether	1.18		1.00	1	06/11/2018 03:56	WG1122609
Naphthalene	ND		5.00	1	06/11/2018 03:56	WG1122609
(S) Toluene-d8	*102*		*80.0-120*		*06/11/2018 03:56*	WG1122609
(S) Dibromofluoromethane	*108*		*76.0-123*		*06/11/2018 03:56*	WG1122609
(S) 4-Bromofluorobenzene	*109*		*80.0-120*		*06/11/2018 03:56*	WG1122609

Method Blank (MB)

(MB) R3316983-3 06/10/18 19:43

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	*100*			*80.0-120*
(S) Dibromofluoromethane	*101*			*76.0-123*
(S) 4-Bromofluorobenzene	*111*			*80.0-120*

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

(LCS) R3316983-1 06/10/18 18:43 • (LCSD) R3316983-4 06/10/18 20:07

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	25.9	25.6	104	102	70.0-130			1.35	20
Ethylbenzene	25.0	22.1	20.4	88.6	81.7	70.0-130			8.04	20
Methyl tert-butyl ether	25.0	22.9	21.4	91.5	85.8	70.0-130			6.44	20
Naphthalene	25.0	25.5	22.1	102	88.2	70.0-130			14.6	20
Toluene	25.0	23.7	22.9	94.9	91.6	70.0-130			3.54	20
Xylenes, Total	75.0	69.6	64.8	92.8	86.4	70.0-130			7.14	20
o-Xylene	25.0	22.7	20.5	90.9	81.8	70.0-130			10.5	20
m&p-Xylenes	50.0	46.9	44.3	93.8	88.7	70.0-130			5.61	20
(S) Toluene-d8				*101*	*99.3*	*80.0-120*				
(S) Dibromofluoromethane				*95.6*	*99.9*	*76.0-123*				
(S) 4-Bromofluorobenzene				*101*	*105*	*80.0-120*				

Method Blank (MB)

(MB) R3318032-3 06/11/18 08:14

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	*103*			*80.0-120*
(S) Dibromofluoromethane	*99.6*			*76.0-123*
(S) 4-Bromofluorobenzene	*103*			*80.0-120*

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

(LCS) R3318032-1 06/11/18 06:47 • (LCSD) R3318032-2 06/11/18 07:09

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	26.0	25.3	104	101	70.0-130			2.59	20
Ethylbenzene	25.0	26.4	25.6	106	102	70.0-130			2.97	20
Methyl tert-butyl ether	25.0	26.3	25.5	105	102	70.0-130			3.05	20
Naphthalene	25.0	24.8	23.6	99.1	94.3	70.0-130			5.00	20
Toluene	25.0	24.9	24.2	99.5	96.9	70.0-130			2.62	20
Xylenes, Total	75.0	80.5	77.9	107	104	70.0-130			3.28	20
o-Xylene	25.0	27.4	26.5	110	106	70.0-130			3.35	20
m&p-Xylenes	50.0	53.1	51.4	106	103	70.0-130			3.21	20
(S) Toluene-d8				*102*	*103*	*80.0-120*				
(S) Dibromofluoromethane				*98.6*	*99.2*	*76.0-123*				
(S) 4-Bromofluorobenzene				*102*	*105*	*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, the sample preparation volume or weight values differ from the standard, 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

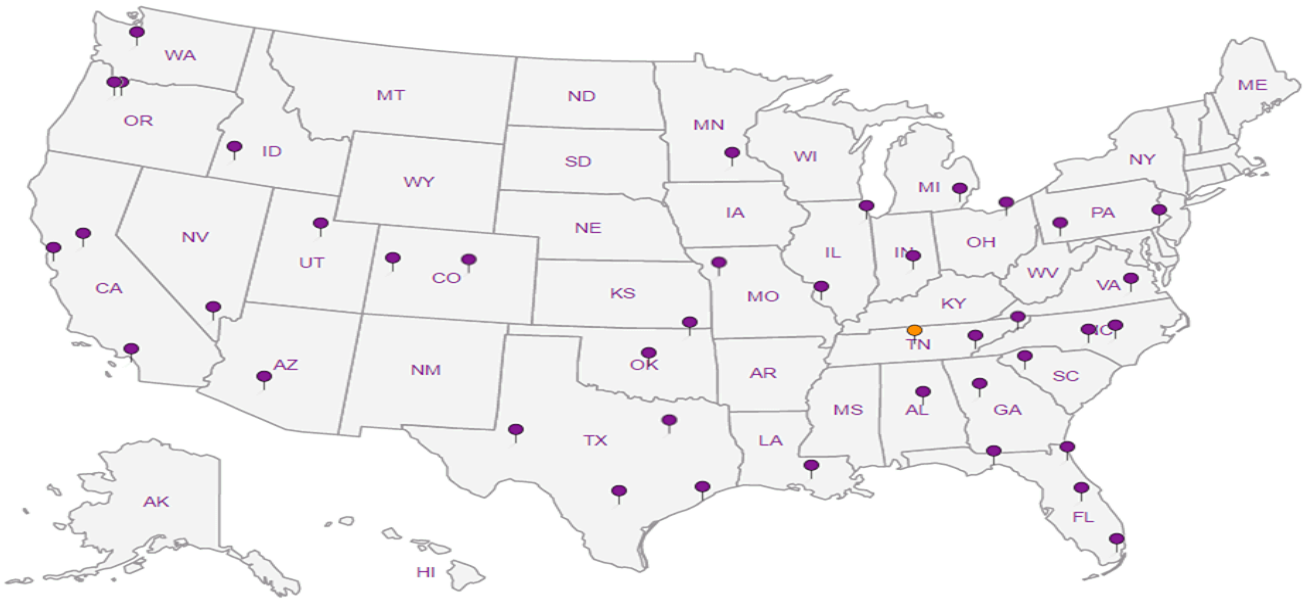
Third Party Federal Accreditations

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.



Kinder Morgan- Atlanta, GA

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

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: SC

Phone: 770-604-9182
Fax:

Client Project # 699858

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): JM / KS

Site/Facility ID # KM-Lewis Dr

P.O. #

Collected by (signature): [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	V8260TCLSC-TB 40mlAmb-NoPres-Blk							Remarks	Sample # (lab only)
SW-11-060718	Grab	GW		6.7.18	0830														-11-01
SW-10-060718		GW			0845														-10-02
FP-01-060718		SW			0855														-03
FP-02-060718					0905														-04
SW-09-060718					0915														-05
SW-08-060718					0920														-06
SW-13-060718					0925														-07
FP-03-060718					1020														-08
SW-01-060718					1105														-09
SW-04-060718		SW		6.7.18	1115														-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 # 4380 6874 1149

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Bethany Garvey	6.7.18	1720	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			[signature]

Trip Blank Received: Yes / No
HCl / MeoH
TBR

Temp: 0.1°C Bottles Received: 78

Date: 6/8/18 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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

Chain of Custody Page ___ of ___

ESC LAB SCIENCES
a subsidiary of Accutest

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

L # L1002343
Table # L1002917
Acctnum: KINCH2MGA
Template: T130277
Prelogin: P655547
TSR: 526 - Chris McCord
PB: 5-30-186
Shipped Via: FedEX Ground

AJ 6/20/18

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

Chain of Custody Page ___ of ___

ESC LAB 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

Project Description: Lewis Drive Groundwater	City/State Collected: SC
Phone: 770-604-9182 Fax:	Client Project # 699858
Collected by (print): JM/KS	Site/Facility ID # Kim-Lewis Dr
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 Date Results Needed
Immediately Packed on Ice N___ Y_X_	

Lab Project # KINCH2MGA-LEWIS12

P.O. #

Quote #

No. of Cntrs

L# L1007913 (N 6/20/17)

Table # L1007917

Acctnum: KINCH2MGA

Template: T130277

Preloqin: P655547

TSR: 526 - Chris McCord

PB: 5-30-18

Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	*NITRATE;SULFATE* 125mlHDPE-NoPres	ALK,CO2 125mlHDPE-NoPres	RSK175 40mlAmb HCl	V8260BTEXMNSC 40mlAmb-HCl	V8260TCLSC-TB 40mlAmb-NoPres-Blk	Remarks	Sample # (lab only)
SW-12-060718	Grab	GW SW		6-7-18	1045							-11
SW-13-060718	"	GW		"	1055							-12
SW-02-060718	"	SW		"	1125							-13
SW-04-060718	"	SW		"	1135							-14
SW-14-060718	"	SW		6-7-18	1150							-15

* 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 # 4360 6574 1169

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: 6-7-18	Time: 1700	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.83 °C	Bottles Received: 18
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/8/18	Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Attachment C
Groundwater Analytical Laboratory Reports

ANALYTICAL REPORT

June 14, 2018

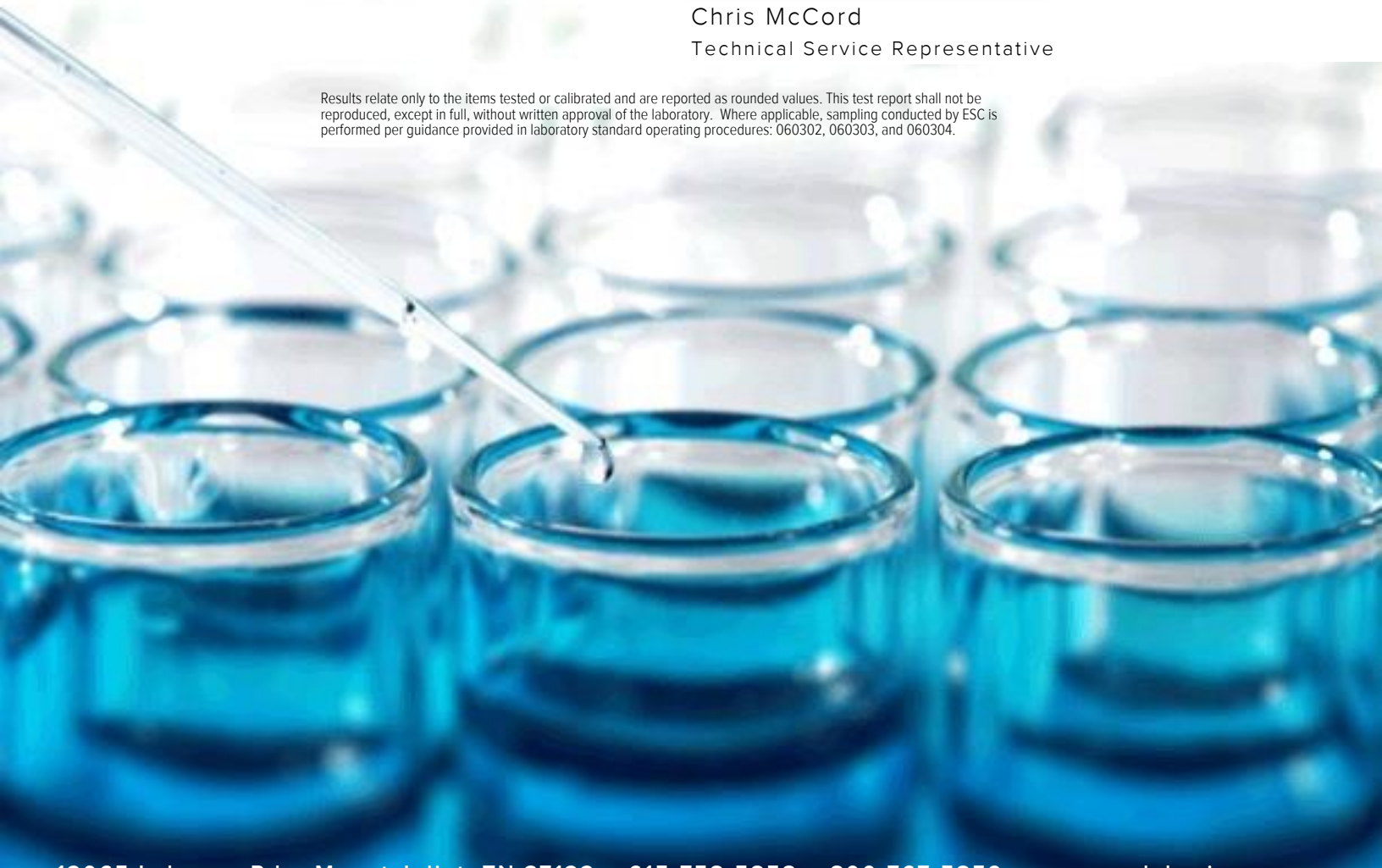
Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L999242
Samples Received:	06/06/2018
Project Number:	699858
Description:	Lewis Drive Groundwater
Site:	LEWIS DR.
Report To:	Bethany Garvey 6600 Peachtree Dunwoody Road 400 Embassy Row - Suite 600 Atlanta, GA 30328

Entire Report Reviewed By:

Chris McCord
Technical Service Representative

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



MW-29-060518 L999242-01 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 09:00 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121153	1	06/07/18 14:38	06/07/18 14:38	JHH

MW-46-060518 L999242-02 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 09:35 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121153	1	06/07/18 14:58	06/07/18 14:58	JHH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1123803	10	06/13/18 12:00	06/13/18 12:00	ACG

MW-22-060518 L999242-03 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 12:10 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1122753	1	06/12/18 22:12	06/12/18 22:12	GB
Wet Chemistry by Method 4500CO2 D-2011	WG1122753	1	06/12/18 22:12	06/12/18 22:12	GB
Wet Chemistry by Method 9056A	WG1120583	1	06/06/18 15:01	06/06/18 15:01	MCG
Volatile Organic Compounds (GC) by Method RSK175	WG1121601	1	06/08/18 10:37	06/08/18 10:37	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121153	1	06/07/18 15:17	06/07/18 15:17	JHH

MW-26B-060518 L999242-04 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 09:20 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121153	1	06/07/18 15:37	06/07/18 15:37	JHH

MW-26-060518 L999242-05 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 09:40 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121153	1	06/07/18 15:56	06/07/18 15:56	JHH

MW-23-060518 L999242-06 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 09:52 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121153	1	06/07/18 16:15	06/07/18 16:15	JHH

MW-23B-060518 L999242-07 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 10:02 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121153	1	06/07/18 16:35	06/07/18 16:35	JHH

MW-44-060518 L999242-08 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 10:38 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121153	1	06/07/18 16:53	06/07/18 16:53	JHH

MW-44B-060518 L999242-09 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 10:45 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121153	1	06/07/18 17:12	06/07/18 17:12	JHH

MW-27B-060518 L999242-10 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 11:10 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121153	1	06/07/18 17:31	06/07/18 17:31	JHH

MW-27-060518 L999242-11 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 11:20 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121153	1	06/07/18 17:51	06/07/18 17:51	JHH

MW-01B-060518 L999242-12 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 11:35 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121153	1	06/07/18 18:10	06/07/18 18:10	JHH

FB01-060518 L999242-13 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 11:40 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121153	1	06/07/18 18:29	06/07/18 18:29	JHH

MW-49-060518 L999242-14 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 14:15 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121153	1	06/07/18 18:49	06/07/18 18:49	JHH

MW-12B-060518 L999242-15 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 14:25 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121507	1	06/07/18 23:35	06/07/18 23:35	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122502	10	06/10/18 17:45	06/10/18 17:45	JAH

MW-25B-060518 L999242-16 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 14:40 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121507	1	06/07/18 23:54	06/07/18 23:54	JAH

MW-41-060518 L999242-17 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 14:50 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121507	1	06/08/18 00:13	06/08/18 00:13	JAH

MW-37-060518 L999242-18 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 15:10 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121507	1	06/08/18 00:32	06/08/18 00:32	JAH

MW-38-060518 L999242-19 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 15:20 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121507	1	06/08/18 00:51	06/08/18 00:51	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122502	10	06/10/18 18:04	06/10/18 18:04	JAH

MW-34-060518 L999242-20 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 15:30 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121507	1	06/08/18 01:10	06/08/18 01:10	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122502	5	06/10/18 18:24	06/10/18 18:24	JAH

MW-39-060518 L999242-21 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 15:40 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121507	1	06/08/18 01:29	06/08/18 01:29	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122502	10	06/10/18 18:43	06/10/18 18:43	JAH

MW-01-060518 L999242-22 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 13:40 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1121212	1	06/08/18 17:11	06/08/18 17:11	GB
Wet Chemistry by Method 4500CO2 D-2011	WG1121212	1	06/08/18 17:11	06/08/18 17:11	GB
Wet Chemistry by Method 9056A	WG1120583	1	06/06/18 15:32	06/06/18 15:32	MCG
Volatile Organic Compounds (GC) by Method RSK175	WG1121601	1	06/08/18 10:41	06/08/18 10:41	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121507	1	06/08/18 01:49	06/08/18 01:49	JAH

MW-12-060518 L999242-23 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 14:40 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1121212	1	06/08/18 17:17	06/08/18 17:17	GB
Wet Chemistry by Method 4500CO2 D-2011	WG1121212	1	06/08/18 17:17	06/08/18 17:17	GB
Wet Chemistry by Method 9056A	WG1120583	1	06/06/18 16:49	06/06/18 16:49	MCG
Volatile Organic Compounds (GC) by Method RSK175	WG1121601	1	06/08/18 10:48	06/08/18 10:48	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121507	1	06/08/18 02:08	06/08/18 02:08	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122502	10	06/10/18 19:03	06/10/18 19:03	JAH

MW-25-060518 L999242-24 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 15:05 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1121212	1	06/08/18 17:23	06/08/18 17:23	GB
Wet Chemistry by Method 4500CO2 D-2011	WG1121212	1	06/08/18 17:23	06/08/18 17:23	GB
Wet Chemistry by Method 9056A	WG1120583	1	06/06/18 17:04	06/06/18 17:04	MCG
Volatile Organic Compounds (GC) by Method RSK175	WG1121601	1	06/08/18 10:51	06/08/18 10:51	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121507	1	06/08/18 02:27	06/08/18 02:27	JAH

MW-42-060518 L999242-25 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 15:22 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1121212	1	06/08/18 17:29	06/08/18 17:29	GB
Wet Chemistry by Method 4500CO2 D-2011	WG1121212	1	06/08/18 17:29	06/08/18 17:29	GB
Wet Chemistry by Method 9056A	WG1120583	1	06/06/18 17:20	06/06/18 17:20	MCG
Volatile Organic Compounds (GC) by Method RSK175	WG1121601	1	06/08/18 11:07	06/08/18 11:07	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121507	1	06/08/18 02:47	06/08/18 02:47	JAH

MW-40-060518 L999242-26 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 15:50 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1121212	1	06/08/18 17:35	06/08/18 17:35	GB
Wet Chemistry by Method 4500CO2 D-2011	WG1121212	1	06/08/18 17:35	06/08/18 17:35	GB
Wet Chemistry by Method 9056A	WG1120583	1	06/06/18 17:35	06/06/18 17:35	MCG
Volatile Organic Compounds (GC) by Method RSK175	WG1121601	1	06/08/18 11:19	06/08/18 11:19	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121507	1	06/08/18 03:06	06/08/18 03:06	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122502	25	06/10/18 19:22	06/10/18 19:22	JAH

TB01-060518 L999242-27 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 00:00 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121507	1	06/07/18 23:15	06/07/18 23:15	JAH

MW-44B-D-060518 L999242-28 GW

Collected by: KS, BG, EH, JM | Collected date/time: 06/05/18 10:45 | Received date/time: 06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121507	1	06/08/18 03:26	06/08/18 03:26	JAH

MW-28-060518 L999242-29 GW

Collected by	Collected date/time	Received date/time
KS, BG, EH, JM	06/05/18 16:25	06/06/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1122753	1	06/12/18 22:18	06/12/18 22:18	GB
Wet Chemistry by Method 4500CO2 D-2011	WG1122753	1	06/12/18 22:18	06/12/18 22:18	GB
Wet Chemistry by Method 9056A	WG1120583	1	06/06/18 17:51	06/06/18 17:51	MCG
Volatile Organic Compounds (GC) by Method RSK175	WG1121601	1	06/08/18 11:37	06/08/18 11:37	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1121507	1	06/08/18 03:45	06/08/18 03:45	JAH

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	06/07/2018 14:38	WG1121153
Toluene	ND		1.00	1	06/07/2018 14:38	WG1121153
Ethylbenzene	ND		1.00	1	06/07/2018 14:38	WG1121153
Total Xylenes	ND		3.00	1	06/07/2018 14:38	WG1121153
Methyl tert-butyl ether	ND		1.00	1	06/07/2018 14:38	WG1121153
Naphthalene	ND		5.00	1	06/07/2018 14:38	WG1121153
1,2-Dichloroethane	ND		1.00	1	06/07/2018 14:38	WG1121153
(S) Toluene-d8	*102*		*80.0-120*		*06/07/2018 14:38*	WG1121153
(S) Dibromofluoromethane	*101*		*76.0-123*		*06/07/2018 14:38*	WG1121153
(S) 4-Bromofluorobenzene	*96.2*		*80.0-120*		*06/07/2018 14:38*	WG1121153

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	294		10.0	10	06/13/2018 12:00	WG1123803
Toluene	11.8		1.00	1	06/07/2018 14:58	WG1121153
Ethylbenzene	ND		1.00	1	06/07/2018 14:58	WG1121153
Total Xylenes	147		3.00	1	06/07/2018 14:58	WG1121153
Methyl tert-butyl ether	184		1.00	1	06/07/2018 14:58	WG1121153
Naphthalene	ND		5.00	1	06/07/2018 14:58	WG1121153
1,2-Dichloroethane	ND		1.00	1	06/07/2018 14:58	WG1121153
(S) Toluene-d8	*99.8*		*80.0-120*		*06/07/2018 14:58*	WG1121153
(S) Toluene-d8	*102*		*80.0-120*		*06/13/2018 12:00*	WG1123803
(S) Dibromofluoromethane	*101*		*76.0-123*		*06/07/2018 14:58*	WG1121153
(S) Dibromofluoromethane	*98.9*		*76.0-123*		*06/13/2018 12:00*	WG1123803
(S) 4-Bromofluorobenzene	*96.6*		*80.0-120*		*06/07/2018 14:58*	WG1121153
(S) 4-Bromofluorobenzene	*103*		*80.0-120*		*06/13/2018 12:00*	WG1123803

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	ND		20000	1	06/12/2018 22:12	WG1122753

Sample Narrative:
L999242-03 WG1122753: 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	29800	T8	20000	1	06/12/2018 22:12	WG1122753

Sample Narrative:
L999242-03 WG1122753: 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)	1410		100	1	06/06/2018 15:01	WG1120583
Sulfate	55300		5000	1	06/06/2018 15:01	WG1120583

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	06/08/2018 10:37	WG1121601

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	06/07/2018 15:17	WG1121153
Toluene	4.27		1.00	1	06/07/2018 15:17	WG1121153
Ethylbenzene	ND		1.00	1	06/07/2018 15:17	WG1121153
Total Xylenes	41.6		3.00	1	06/07/2018 15:17	WG1121153
Methyl tert-butyl ether	ND		1.00	1	06/07/2018 15:17	WG1121153
Naphthalene	ND		5.00	1	06/07/2018 15:17	WG1121153
1,2-Dichloroethane	ND		1.00	1	06/07/2018 15:17	WG1121153
(S) Toluene-d8	*103*		*80.0-120*		*06/07/2018 15:17*	WG1121153
(S) Dibromofluoromethane	*101*		*76.0-123*		*06/07/2018 15:17*	WG1121153
(S) 4-Bromofluorobenzene	*98.4*		*80.0-120*		*06/07/2018 15:17*	WG1121153

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	06/07/2018 15:37	WG1121153
Toluene	ND		1.00	1	06/07/2018 15:37	WG1121153
Ethylbenzene	ND		1.00	1	06/07/2018 15:37	WG1121153
Total Xylenes	ND		3.00	1	06/07/2018 15:37	WG1121153
Methyl tert-butyl ether	ND		1.00	1	06/07/2018 15:37	WG1121153
Naphthalene	ND		5.00	1	06/07/2018 15:37	WG1121153
1,2-Dichloroethane	ND		1.00	1	06/07/2018 15:37	WG1121153
(S) Toluene-d8	*97.3*		*80.0-120*		*06/07/2018 15:37*	WG1121153
(S) Dibromofluoromethane	*101*		*76.0-123*		*06/07/2018 15:37*	WG1121153
(S) 4-Bromofluorobenzene	*96.9*		*80.0-120*		*06/07/2018 15:37*	WG1121153

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	06/07/2018 15:56	WG1121153
Toluene	ND		1.00	1	06/07/2018 15:56	WG1121153
Ethylbenzene	ND		1.00	1	06/07/2018 15:56	WG1121153
Total Xylenes	ND		3.00	1	06/07/2018 15:56	WG1121153
Methyl tert-butyl ether	ND		1.00	1	06/07/2018 15:56	WG1121153
Naphthalene	ND		5.00	1	06/07/2018 15:56	WG1121153
1,2-Dichloroethane	ND		1.00	1	06/07/2018 15:56	WG1121153
(S) Toluene-d8	*101*		*80.0-120*		*06/07/2018 15:56*	WG1121153
(S) Dibromofluoromethane	*99.8*		*76.0-123*		*06/07/2018 15:56*	WG1121153
(S) 4-Bromofluorobenzene	*97.3*		*80.0-120*		*06/07/2018 15:56*	WG1121153

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	06/07/2018 16:15	WG1121153
Toluene	ND		1.00	1	06/07/2018 16:15	WG1121153
Ethylbenzene	ND		1.00	1	06/07/2018 16:15	WG1121153
Total Xylenes	ND		3.00	1	06/07/2018 16:15	WG1121153
Methyl tert-butyl ether	5.28		1.00	1	06/07/2018 16:15	WG1121153
Naphthalene	ND		5.00	1	06/07/2018 16:15	WG1121153
1,2-Dichloroethane	ND		1.00	1	06/07/2018 16:15	WG1121153
(S) Toluene-d8	*100*		*80.0-120*		*06/07/2018 16:15*	WG1121153
(S) Dibromofluoromethane	*101*		*76.0-123*		*06/07/2018 16:15*	WG1121153
(S) 4-Bromofluorobenzene	*97.5*		*80.0-120*		*06/07/2018 16:15*	WG1121153

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	06/07/2018 16:35	WG1121153
Toluene	1.08		1.00	1	06/07/2018 16:35	WG1121153
Ethylbenzene	ND		1.00	1	06/07/2018 16:35	WG1121153
Total Xylenes	4.21		3.00	1	06/07/2018 16:35	WG1121153
Methyl tert-butyl ether	ND		1.00	1	06/07/2018 16:35	WG1121153
Naphthalene	ND		5.00	1	06/07/2018 16:35	WG1121153
1,2-Dichloroethane	ND		1.00	1	06/07/2018 16:35	WG1121153
(S) Toluene-d8	*101*		*80.0-120*		*06/07/2018 16:35*	WG1121153
(S) Dibromofluoromethane	*101*		*76.0-123*		*06/07/2018 16:35*	WG1121153
(S) 4-Bromofluorobenzene	*98.5*		*80.0-120*		*06/07/2018 16:35*	WG1121153

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	06/07/2018 16:53	WG1121153
Toluene	ND		1.00	1	06/07/2018 16:53	WG1121153
Ethylbenzene	ND		1.00	1	06/07/2018 16:53	WG1121153
Total Xylenes	ND		3.00	1	06/07/2018 16:53	WG1121153
Methyl tert-butyl ether	ND		1.00	1	06/07/2018 16:53	WG1121153
Naphthalene	ND		5.00	1	06/07/2018 16:53	WG1121153
1,2-Dichloroethane	ND		1.00	1	06/07/2018 16:53	WG1121153
(S) Toluene-d8	*101*		*80.0-120*		*06/07/2018 16:53*	WG1121153
(S) Dibromofluoromethane	*100*		*76.0-123*		*06/07/2018 16:53*	WG1121153
(S) 4-Bromofluorobenzene	*100*		*80.0-120*		*06/07/2018 16:53*	WG1121153

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	06/07/2018 17:12	WG1121153
Toluene	ND		1.00	1	06/07/2018 17:12	WG1121153
Ethylbenzene	ND		1.00	1	06/07/2018 17:12	WG1121153
Total Xylenes	ND		3.00	1	06/07/2018 17:12	WG1121153
Methyl tert-butyl ether	ND		1.00	1	06/07/2018 17:12	WG1121153
Naphthalene	ND		5.00	1	06/07/2018 17:12	WG1121153
1,2-Dichloroethane	ND		1.00	1	06/07/2018 17:12	WG1121153
(S) Toluene-d8	*98.7*		*80.0-120*		*06/07/2018 17:12*	WG1121153
(S) Dibromofluoromethane	*102*		*76.0-123*		*06/07/2018 17:12*	WG1121153
(S) 4-Bromofluorobenzene	*100*		*80.0-120*		*06/07/2018 17:12*	WG1121153

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	06/07/2018 17:31	WG1121153
Toluene	6.18		1.00	1	06/07/2018 17:31	WG1121153
Ethylbenzene	3.38		1.00	1	06/07/2018 17:31	WG1121153
Total Xylenes	26.8		3.00	1	06/07/2018 17:31	WG1121153
Methyl tert-butyl ether	ND		1.00	1	06/07/2018 17:31	WG1121153
Naphthalene	5.10		5.00	1	06/07/2018 17:31	WG1121153
1,2-Dichloroethane	ND		1.00	1	06/07/2018 17:31	WG1121153
(S) Toluene-d8	*98.7*		*80.0-120*		*06/07/2018 17:31*	WG1121153
(S) Dibromofluoromethane	*98.6*		*76.0-123*		*06/07/2018 17:31*	WG1121153
(S) 4-Bromofluorobenzene	*97.9*		*80.0-120*		*06/07/2018 17:31*	WG1121153

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	5.74		1.00	1	06/07/2018 17:51	WG1121153
Toluene	22.6		1.00	1	06/07/2018 17:51	WG1121153
Ethylbenzene	7.74		1.00	1	06/07/2018 17:51	WG1121153
Total Xylenes	70.3		3.00	1	06/07/2018 17:51	WG1121153
Methyl tert-butyl ether	ND		1.00	1	06/07/2018 17:51	WG1121153
Naphthalene	ND		5.00	1	06/07/2018 17:51	WG1121153
1,2-Dichloroethane	ND		1.00	1	06/07/2018 17:51	WG1121153
(S) Toluene-d8	*98.5*		*80.0-120*		*06/07/2018 17:51*	WG1121153
(S) Dibromofluoromethane	*96.0*		*76.0-123*		*06/07/2018 17:51*	WG1121153
(S) 4-Bromofluorobenzene	*96.3*		*80.0-120*		*06/07/2018 17:51*	WG1121153

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	8.96		1.00	1	06/07/2018 18:10	WG1121153
Toluene	ND		1.00	1	06/07/2018 18:10	WG1121153
Ethylbenzene	ND		1.00	1	06/07/2018 18:10	WG1121153
Total Xylenes	ND		3.00	1	06/07/2018 18:10	WG1121153
Methyl tert-butyl ether	ND		1.00	1	06/07/2018 18:10	WG1121153
Naphthalene	ND		5.00	1	06/07/2018 18:10	WG1121153
1,2-Dichloroethane	ND		1.00	1	06/07/2018 18:10	WG1121153
(S) Toluene-d8	*99.4*		*80.0-120*		*06/07/2018 18:10*	WG1121153
(S) Dibromofluoromethane	*99.2*		*76.0-123*		*06/07/2018 18:10*	WG1121153
(S) 4-Bromofluorobenzene	*96.7*		*80.0-120*		*06/07/2018 18:10*	WG1121153

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	06/07/2018 18:29	WG1121153
Toluene	ND		1.00	1	06/07/2018 18:29	WG1121153
Ethylbenzene	ND		1.00	1	06/07/2018 18:29	WG1121153
Total Xylenes	ND		3.00	1	06/07/2018 18:29	WG1121153
Methyl tert-butyl ether	ND		1.00	1	06/07/2018 18:29	WG1121153
Naphthalene	ND		5.00	1	06/07/2018 18:29	WG1121153
1,2-Dichloroethane	ND		1.00	1	06/07/2018 18:29	WG1121153
(S) Toluene-d8	*103*		*80.0-120*		*06/07/2018 18:29*	WG1121153
(S) Dibromofluoromethane	*99.8*		*76.0-123*		*06/07/2018 18:29*	WG1121153
(S) 4-Bromofluorobenzene	*99.0*		*80.0-120*		*06/07/2018 18:29*	WG1121153

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	06/07/2018 18:49	WG1121153
Toluene	ND		1.00	1	06/07/2018 18:49	WG1121153
Ethylbenzene	ND		1.00	1	06/07/2018 18:49	WG1121153
Total Xylenes	ND		3.00	1	06/07/2018 18:49	WG1121153
Methyl tert-butyl ether	ND		1.00	1	06/07/2018 18:49	WG1121153
Naphthalene	ND		5.00	1	06/07/2018 18:49	WG1121153
1,2-Dichloroethane	ND		1.00	1	06/07/2018 18:49	WG1121153
(S) Toluene-d8	*101*		*80.0-120*		*06/07/2018 18:49*	WG1121153
(S) Dibromofluoromethane	*100*		*76.0-123*		*06/07/2018 18:49*	WG1121153
(S) 4-Bromofluorobenzene	*98.4*		*80.0-120*		*06/07/2018 18:49*	WG1121153

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	275		10.0	10	06/10/2018 17:45	WG1122502
Toluene	20.9		1.00	1	06/07/2018 23:35	WG1121507
Ethylbenzene	58.7		1.00	1	06/07/2018 23:35	WG1121507
Total Xylenes	171		3.00	1	06/07/2018 23:35	WG1121507
Methyl tert-butyl ether	ND		1.00	1	06/07/2018 23:35	WG1121507
Naphthalene	22.5		5.00	1	06/07/2018 23:35	WG1121507
1,2-Dichloroethane	ND		1.00	1	06/07/2018 23:35	WG1121507
(S) Toluene-d8	*96.5*		*80.0-120*		*06/07/2018 23:35*	WG1121507
(S) Toluene-d8	*109*		*80.0-120*		*06/10/2018 17:45*	WG1122502
(S) Dibromofluoromethane	*95.9*		*76.0-123*		*06/07/2018 23:35*	WG1121507
(S) Dibromofluoromethane	*98.7*		*76.0-123*		*06/10/2018 17:45*	WG1122502
(S) 4-Bromofluorobenzene	*96.3*		*80.0-120*		*06/07/2018 23:35*	WG1121507
(S) 4-Bromofluorobenzene	*108*		*80.0-120*		*06/10/2018 17:45*	WG1122502

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	06/07/2018 23:54	WG1121507
Toluene	ND		1.00	1	06/07/2018 23:54	WG1121507
Ethylbenzene	ND		1.00	1	06/07/2018 23:54	WG1121507
Total Xylenes	ND		3.00	1	06/07/2018 23:54	WG1121507
Methyl tert-butyl ether	ND		1.00	1	06/07/2018 23:54	WG1121507
Naphthalene	ND		5.00	1	06/07/2018 23:54	WG1121507
1,2-Dichloroethane	ND		1.00	1	06/07/2018 23:54	WG1121507
(S) Toluene-d8	*98.4*		*80.0-120*		*06/07/2018 23:54*	WG1121507
(S) Dibromofluoromethane	*95.8*		*76.0-123*		*06/07/2018 23:54*	WG1121507
(S) 4-Bromofluorobenzene	*97.2*		*80.0-120*		*06/07/2018 23:54*	WG1121507

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	06/08/2018 00:13	WG1121507
Toluene	ND		1.00	1	06/08/2018 00:13	WG1121507
Ethylbenzene	ND		1.00	1	06/08/2018 00:13	WG1121507
Total Xylenes	ND		3.00	1	06/08/2018 00:13	WG1121507
Methyl tert-butyl ether	ND		1.00	1	06/08/2018 00:13	WG1121507
Naphthalene	ND		5.00	1	06/08/2018 00:13	WG1121507
1,2-Dichloroethane	ND		1.00	1	06/08/2018 00:13	WG1121507
(S) Toluene-d8	*100*		*80.0-120*		*06/08/2018 00:13*	WG1121507
(S) Dibromofluoromethane	*96.9*		*76.0-123*		*06/08/2018 00:13*	WG1121507
(S) 4-Bromofluorobenzene	*96.6*		*80.0-120*		*06/08/2018 00:13*	WG1121507

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	06/08/2018 00:32	WG1121507
Toluene	ND		1.00	1	06/08/2018 00:32	WG1121507
Ethylbenzene	ND		1.00	1	06/08/2018 00:32	WG1121507
Total Xylenes	ND		3.00	1	06/08/2018 00:32	WG1121507
Methyl tert-butyl ether	5.06		1.00	1	06/08/2018 00:32	WG1121507
Naphthalene	ND		5.00	1	06/08/2018 00:32	WG1121507
1,2-Dichloroethane	ND		1.00	1	06/08/2018 00:32	WG1121507
(S) Toluene-d8	*98.8*		*80.0-120*		*06/08/2018 00:32*	WG1121507
(S) Dibromofluoromethane	*97.7*		*76.0-123*		*06/08/2018 00:32*	WG1121507
(S) 4-Bromofluorobenzene	*99.6*		*80.0-120*		*06/08/2018 00:32*	WG1121507

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	373		10.0	10	06/10/2018 18:04	WG1122502
Toluene	2.49		1.00	1	06/08/2018 00:51	WG1121507
Ethylbenzene	ND		1.00	1	06/08/2018 00:51	WG1121507
Total Xylenes	222		3.00	1	06/08/2018 00:51	WG1121507
Methyl tert-butyl ether	75.5		1.00	1	06/08/2018 00:51	WG1121507
Naphthalene	9.00		5.00	1	06/08/2018 00:51	WG1121507
1,2-Dichloroethane	ND		1.00	1	06/08/2018 00:51	WG1121507
(S) Toluene-d8	*99.7*		*80.0-120*		*06/08/2018 00:51*	WG1121507
(S) Toluene-d8	*107*		*80.0-120*		*06/10/2018 18:04*	WG1122502
(S) Dibromofluoromethane	*93.9*		*76.0-123*		*06/08/2018 00:51*	WG1121507
(S) Dibromofluoromethane	*98.0*		*76.0-123*		*06/10/2018 18:04*	WG1122502
(S) 4-Bromofluorobenzene	*97.9*		*80.0-120*		*06/08/2018 00:51*	WG1121507
(S) 4-Bromofluorobenzene	*108*		*80.0-120*		*06/10/2018 18:04*	WG1122502

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	63.1		1.00	1	06/08/2018 01:10	WG1121507
Toluene	3.28		1.00	1	06/08/2018 01:10	WG1121507
Ethylbenzene	ND		1.00	1	06/08/2018 01:10	WG1121507
Total Xylenes	19.2		3.00	1	06/08/2018 01:10	WG1121507
Methyl tert-butyl ether	247		5.00	5	06/10/2018 18:24	WG1122502
Naphthalene	ND		5.00	1	06/08/2018 01:10	WG1121507
1,2-Dichloroethane	ND		1.00	1	06/08/2018 01:10	WG1121507
(S) Toluene-d8	*99.0*		*80.0-120*		*06/08/2018 01:10*	WG1121507
(S) Toluene-d8	*108*		*80.0-120*		*06/10/2018 18:24*	WG1122502
(S) Dibromofluoromethane	*95.4*		*76.0-123*		*06/08/2018 01:10*	WG1121507
(S) Dibromofluoromethane	*96.6*		*76.0-123*		*06/10/2018 18:24*	WG1122502
(S) 4-Bromofluorobenzene	*95.4*		*80.0-120*		*06/08/2018 01:10*	WG1121507
(S) 4-Bromofluorobenzene	*109*		*80.0-120*		*06/10/2018 18:24*	WG1122502

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	06/08/2018 01:29	WG1121507
Toluene	ND		1.00	1	06/08/2018 01:29	WG1121507
Ethylbenzene	ND		1.00	1	06/08/2018 01:29	WG1121507
Total Xylenes	ND		3.00	1	06/08/2018 01:29	WG1121507
Methyl tert-butyl ether	322		10.0	10	06/10/2018 18:43	WG1122502
Naphthalene	ND		5.00	1	06/08/2018 01:29	WG1121507
1,2-Dichloroethane	ND		1.00	1	06/08/2018 01:29	WG1121507
(S) Toluene-d8	*96.1*		*80.0-120*		*06/08/2018 01:29*	WG1121507
(S) Toluene-d8	*109*		*80.0-120*		*06/10/2018 18:43*	WG1122502
(S) Dibromofluoromethane	*98.3*		*76.0-123*		*06/08/2018 01:29*	WG1121507
(S) Dibromofluoromethane	*95.8*		*76.0-123*		*06/10/2018 18:43*	WG1122502
(S) 4-Bromofluorobenzene	*94.5*		*80.0-120*		*06/08/2018 01:29*	WG1121507
(S) 4-Bromofluorobenzene	*106*		*80.0-120*		*06/10/2018 18:43*	WG1122502

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	06/08/2018 17:11	WG1121212

Sample Narrative:
L999242-22 WG1121212: 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	37900	T8	20000	1	06/08/2018 17:11	WG1121212

Sample Narrative:
L999242-22 WG1121212: 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	06/06/2018 15:32	WG1120583
Sulfate	ND		5000	1	06/06/2018 15:32	WG1120583

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	06/08/2018 10:41	WG1121601

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	06/08/2018 01:49	WG1121507
Toluene	ND		1.00	1	06/08/2018 01:49	WG1121507
Ethylbenzene	ND		1.00	1	06/08/2018 01:49	WG1121507
Total Xylenes	ND		3.00	1	06/08/2018 01:49	WG1121507
Methyl tert-butyl ether	ND		1.00	1	06/08/2018 01:49	WG1121507
Naphthalene	ND		5.00	1	06/08/2018 01:49	WG1121507
1,2-Dichloroethane	ND		1.00	1	06/08/2018 01:49	WG1121507
(S) Toluene-d8	*99.9*		*80.0-120*		*06/08/2018 01:49*	WG1121507
(S) Dibromofluoromethane	*95.8*		*76.0-123*		*06/08/2018 01:49*	WG1121507
(S) 4-Bromofluorobenzene	*95.1*		*80.0-120*		*06/08/2018 01:49*	WG1121507

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	06/08/2018 17:17	WG1121212

Sample Narrative:
L999242-23 WG1121212: 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	06/08/2018 17:17	WG1121212

Sample Narrative:
L999242-23 WG1121212: 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	06/06/2018 16:49	WG1120583
Sulfate	ND		5000	1	06/06/2018 16:49	WG1120583

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	06/08/2018 10:48	WG1121601

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	16.3		1.00	1	06/08/2018 02:08	WG1121507
Toluene	181		10.0	10	06/10/2018 19:03	WG1122502
Ethylbenzene	2.51		1.00	1	06/08/2018 02:08	WG1121507
Total Xylenes	249		3.00	1	06/08/2018 02:08	WG1121507
Methyl tert-butyl ether	ND		1.00	1	06/08/2018 02:08	WG1121507
Naphthalene	ND		5.00	1	06/08/2018 02:08	WG1121507
1,2-Dichloroethane	ND		1.00	1	06/08/2018 02:08	WG1121507
(S) Toluene-d8	*100*		*80.0-120*		*06/08/2018 02:08*	WG1121507
(S) Toluene-d8	*105*		*80.0-120*		*06/10/2018 19:03*	WG1122502
(S) Dibromofluoromethane	*96.7*		*76.0-123*		*06/08/2018 02:08*	WG1121507
(S) Dibromofluoromethane	*96.4*		*76.0-123*		*06/10/2018 19:03*	WG1122502
(S) 4-Bromofluorobenzene	*100*		*80.0-120*		*06/08/2018 02:08*	WG1121507
(S) 4-Bromofluorobenzene	*108*		*80.0-120*		*06/10/2018 19:03*	WG1122502

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	ND		20000	1	06/08/2018 17:23	WG1121212

Sample Narrative:
L999242-24 WG1121212: 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	35800	T8	20000	1	06/08/2018 17:23	WG1121212

Sample Narrative:
L999242-24 WG1121212: 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)	203		100	1	06/06/2018 17:04	WG1120583
Sulfate	ND		5000	1	06/06/2018 17:04	WG1120583

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	06/08/2018 10:51	WG1121601

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	06/08/2018 02:27	WG1121507
Toluene	ND		1.00	1	06/08/2018 02:27	WG1121507
Ethylbenzene	ND		1.00	1	06/08/2018 02:27	WG1121507
Total Xylenes	ND		3.00	1	06/08/2018 02:27	WG1121507
Methyl tert-butyl ether	ND		1.00	1	06/08/2018 02:27	WG1121507
Naphthalene	ND		5.00	1	06/08/2018 02:27	WG1121507
1,2-Dichloroethane	ND		1.00	1	06/08/2018 02:27	WG1121507
(S) Toluene-d8	*103*		*80.0-120*		*06/08/2018 02:27*	WG1121507
(S) Dibromofluoromethane	*97.7*		*76.0-123*		*06/08/2018 02:27*	WG1121507
(S) 4-Bromofluorobenzene	*99.9*		*80.0-120*		*06/08/2018 02:27*	WG1121507

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	ND		20000	1	06/08/2018 17:29	WG1121212

Sample Narrative:
L999242-25 WG1121212: 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	42400	T8	20000	1	06/08/2018 17:29	WG1121212

Sample Narrative:
L999242-25 WG1121212: 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)	198		100	1	06/06/2018 17:20	WG1120583
Sulfate	ND		5000	1	06/06/2018 17:20	WG1120583

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	06/08/2018 11:07	WG1121601

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	06/08/2018 02:47	WG1121507
Toluene	ND		1.00	1	06/08/2018 02:47	WG1121507
Ethylbenzene	ND		1.00	1	06/08/2018 02:47	WG1121507
Total Xylenes	ND		3.00	1	06/08/2018 02:47	WG1121507
Methyl tert-butyl ether	ND		1.00	1	06/08/2018 02:47	WG1121507
Naphthalene	ND		5.00	1	06/08/2018 02:47	WG1121507
1,2-Dichloroethane	ND		1.00	1	06/08/2018 02:47	WG1121507
(S) Toluene-d8	*102*		*80.0-120*		*06/08/2018 02:47*	WG1121507
(S) Dibromofluoromethane	*96.9*		*76.0-123*		*06/08/2018 02:47*	WG1121507
(S) 4-Bromofluorobenzene	*97.4*		*80.0-120*		*06/08/2018 02:47*	WG1121507

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

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	21100		20000	1	06/08/2018 17:35	WG1121212

Sample Narrative:
L999242-26 WG1121212: 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	59200	T8	20000	1	06/08/2018 17:35	WG1121212

Sample Narrative:
L999242-26 WG1121212: 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	06/06/2018 17:35	WG1120583
Sulfate	ND		5000	1	06/06/2018 17:35	WG1120583

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	26.6		10.0	1	06/08/2018 11:19	WG1121601

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	472		25.0	25	06/10/2018 19:22	WG1122502
Toluene	514		25.0	25	06/10/2018 19:22	WG1122502
Ethylbenzene	16.8		1.00	1	06/08/2018 03:06	WG1121507
Total Xylenes	1490		75.0	25	06/10/2018 19:22	WG1122502
Methyl tert-butyl ether	255		25.0	25	06/10/2018 19:22	WG1122502
Naphthalene	20.4		5.00	1	06/08/2018 03:06	WG1121507
1,2-Dichloroethane	ND		1.00	1	06/08/2018 03:06	WG1121507
(S) Toluene-d8	*98.8*		*80.0-120*		*06/08/2018 03:06*	WG1121507
(S) Toluene-d8	*106*		*80.0-120*		*06/10/2018 19:22*	WG1122502
(S) Dibromofluoromethane	*97.8*		*76.0-123*		*06/08/2018 03:06*	WG1121507
(S) Dibromofluoromethane	*98.1*		*76.0-123*		*06/10/2018 19:22*	WG1122502
(S) 4-Bromofluorobenzene	*100*		*80.0-120*		*06/08/2018 03:06*	WG1121507
(S) 4-Bromofluorobenzene	*108*		*80.0-120*		*06/10/2018 19:22*	WG1122502

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	06/07/2018 23:15	WG1121507
Benzene	ND		1.00	1	06/07/2018 23:15	WG1121507
Bromodichloromethane	ND		1.00	1	06/07/2018 23:15	WG1121507
Bromoform	ND		1.00	1	06/07/2018 23:15	WG1121507
Bromomethane	ND		5.00	1	06/07/2018 23:15	WG1121507
Carbon disulfide	ND		1.00	1	06/07/2018 23:15	WG1121507
Carbon tetrachloride	ND		1.00	1	06/07/2018 23:15	WG1121507
Chlorobenzene	ND		1.00	1	06/07/2018 23:15	WG1121507
Chlorodibromomethane	ND		1.00	1	06/07/2018 23:15	WG1121507
Chloroethane	ND		5.00	1	06/07/2018 23:15	WG1121507
Chloroform	ND		5.00	1	06/07/2018 23:15	WG1121507
Chloromethane	ND		2.50	1	06/07/2018 23:15	WG1121507
1,2-Dibromo-3-Chloropropane	ND		5.00	1	06/07/2018 23:15	WG1121507
1,2-Dibromoethane	ND		1.00	1	06/07/2018 23:15	WG1121507
1,2-Dichlorobenzene	ND		1.00	1	06/07/2018 23:15	WG1121507
1,3-Dichlorobenzene	ND		1.00	1	06/07/2018 23:15	WG1121507
1,4-Dichlorobenzene	ND		1.00	1	06/07/2018 23:15	WG1121507
1,1-Dichloroethane	ND		1.00	1	06/07/2018 23:15	WG1121507
1,2-Dichloroethane	ND		1.00	1	06/07/2018 23:15	WG1121507
1,1-Dichloroethene	ND		1.00	1	06/07/2018 23:15	WG1121507
cis-1,2-Dichloroethene	ND		1.00	1	06/07/2018 23:15	WG1121507
trans-1,2-Dichloroethene	ND		1.00	1	06/07/2018 23:15	WG1121507
1,2-Dichloropropane	ND		1.00	1	06/07/2018 23:15	WG1121507
cis-1,3-Dichloropropene	ND		1.00	1	06/07/2018 23:15	WG1121507
trans-1,3-Dichloropropene	ND		1.00	1	06/07/2018 23:15	WG1121507
Di-isopropyl ether	ND		1.00	1	06/07/2018 23:15	WG1121507
Ethylbenzene	ND		1.00	1	06/07/2018 23:15	WG1121507
2-Butanone (MEK)	ND		10.0	1	06/07/2018 23:15	WG1121507
2-Hexanone	ND		10.0	1	06/07/2018 23:15	WG1121507
Methylene Chloride	ND		5.00	1	06/07/2018 23:15	WG1121507
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	06/07/2018 23:15	WG1121507
Methyl tert-butyl ether	ND		1.00	1	06/07/2018 23:15	WG1121507
Naphthalene	ND		5.00	1	06/07/2018 23:15	WG1121507
Styrene	ND		1.00	1	06/07/2018 23:15	WG1121507
1,1,2,2-Tetrachloroethane	ND		1.00	1	06/07/2018 23:15	WG1121507
Tetrachloroethene	ND		1.00	1	06/07/2018 23:15	WG1121507
Toluene	ND		1.00	1	06/07/2018 23:15	WG1121507
1,1,1-Trichloroethane	ND		1.00	1	06/07/2018 23:15	WG1121507
1,1,2-Trichloroethane	ND		1.00	1	06/07/2018 23:15	WG1121507
Trichloroethene	ND		1.00	1	06/07/2018 23:15	WG1121507
Vinyl chloride	ND		1.00	1	06/07/2018 23:15	WG1121507
Xylenes, Total	ND		3.00	1	06/07/2018 23:15	WG1121507
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	06/07/2018 23:15	WG1121507
1,2,3-Trimethylbenzene	ND		1.00	1	06/07/2018 23:15	WG1121507
(S) Toluene-d8	*98.4*		*80.0-120*		*06/07/2018 23:15*	WG1121507
(S) Dibromofluoromethane	*95.1*		*76.0-123*		*06/07/2018 23:15*	WG1121507
(S) a,a,a-Trifluorotoluene	*101*		*80.0-120*		*06/07/2018 23:15*	WG1121507
(S) 4-Bromofluorobenzene	*96.2*		*80.0-120*		*06/07/2018 23:15*	WG1121507

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	06/08/2018 03:26	WG1121507
Toluene	ND		1.00	1	06/08/2018 03:26	WG1121507
Ethylbenzene	ND		1.00	1	06/08/2018 03:26	WG1121507
Total Xylenes	ND		3.00	1	06/08/2018 03:26	WG1121507
Methyl tert-butyl ether	ND		1.00	1	06/08/2018 03:26	WG1121507
Naphthalene	ND		5.00	1	06/08/2018 03:26	WG1121507
1,2-Dichloroethane	ND		1.00	1	06/08/2018 03:26	WG1121507
(S) Toluene-d8	*103*		*80.0-120*		*06/08/2018 03:26*	WG1121507
(S) Dibromofluoromethane	*96.4*		*76.0-123*		*06/08/2018 03:26*	WG1121507
(S) 4-Bromofluorobenzene	*97.7*		*80.0-120*		*06/08/2018 03:26*	WG1121507

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	31900		20000	1	06/12/2018 22:18	WG1122753

Sample Narrative:
L999242-29 WG1122753: 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	21200	T8	20000	1	06/12/2018 22:18	WG1122753

Sample Narrative:
L999242-29 WG1122753: 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)	100		100	1	06/06/2018 17:51	WG1120583
Sulfate	37200		5000	1	06/06/2018 17:51	WG1120583

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	34.6		10.0	1	06/08/2018 11:37	WG1121601

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	3.81		1.00	1	06/08/2018 03:45	WG1121507
Toluene	1.01		1.00	1	06/08/2018 03:45	WG1121507
Ethylbenzene	3.77		1.00	1	06/08/2018 03:45	WG1121507
Total Xylenes	16.0		3.00	1	06/08/2018 03:45	WG1121507
Methyl tert-butyl ether	ND		1.00	1	06/08/2018 03:45	WG1121507
Naphthalene	ND		5.00	1	06/08/2018 03:45	WG1121507
1,2-Dichloroethane	ND		1.00	1	06/08/2018 03:45	WG1121507
(S) Toluene-d8	*98.1*		*80.0-120*		*06/08/2018 03:45*	WG1121507
(S) Dibromofluoromethane	*97.7*		*76.0-123*		*06/08/2018 03:45*	WG1121507
(S) 4-Bromofluorobenzene	*96.8*		*80.0-120*		*06/08/2018 03:45*	WG1121507

L999300-01 Original Sample (OS) • Duplicate (DUP)

(OS) L999300-01 06/08/18 17:47 • (DUP) R3316856-1 06/08/18 17:54

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	198000	165000	1	17.8		20

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

L999300-04 Original Sample (OS) • Duplicate (DUP)

(OS) L999300-04 06/09/18 01:30 • (DUP) R3316856-5 06/09/18 01:38

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	521000	535000	1	2.71		20

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

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

(LCS) R3316856-3 06/08/18 18:35 • (LCSD) R3316856-4 06/08/18 19:48

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	110000	107000	110	107	85.0-115			2.73	20

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

L999273-01 Original Sample (OS) • Duplicate (DUP)

(OS) L999273-01 06/12/18 19:53 • (DUP) R3317437-1 06/12/18 20:03

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	247000	248000	1	0.712		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

L999522-03 Original Sample (OS) • Duplicate (DUP)

(OS) L999522-03 06/12/18 21:40 • (DUP) R3317437-4 06/12/18 21:47

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	36800	37000	1	0.470		20

Sample Narrative:

OS: Endpoint pH 4.5 headspace

DUP: Endpoint pH 4.5

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

(LCS) R3317437-3 06/12/18 20:12 • (LCSD) R3317437-6 06/12/18 21:55

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	104000	106000	104	106	85.0-115			1.70	20

Sample Narrative:

LCS: Endpoint pH 4.5

LCSD: Endpoint pH 4.5

L999300-01 Original Sample (OS) • Duplicate (DUP)

(OS) L999300-01 06/08/18 17:47 • (DUP) R3316856-2 06/08/18 17:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Free Carbon Dioxide	108000	91300	1	16.6		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

L999300-04 Original Sample (OS) • Duplicate (DUP)

(OS) L999300-04 06/09/18 01:30 • (DUP) R3316856-6 06/09/18 01:38

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

L999273-01 Original Sample (OS) • Duplicate (DUP)

(OS) L999273-01 06/12/18 19:53 • (DUP) R3317437-2 06/12/18 20:03

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Free Carbon Dioxide	ND	22400	1	20.8	P1	20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

L999522-03 Original Sample (OS) • Duplicate (DUP)

(OS) L999522-03 06/12/18 21:40 • (DUP) R3317437-5 06/12/18 21:47

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 headspace

DUP: Endpoint pH 4.5

Method Blank (MB)

(MB) R3316059-1 06/06/18 09:48

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

L999242-03 Original Sample (OS) • Duplicate (DUP)

(OS) L999242-03 06/06/18 15:01 • (DUP) R3316059-4 06/06/18 15:17

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate	1410	1410	1	0.312		15
Sulfate	55300	55400	1	0.247		15

L999265-08 Original Sample (OS) • Duplicate (DUP)

(OS) L999265-08 06/06/18 22:59 • (DUP) R3316059-7 06/06/18 23:14

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate	327	337	1	2.92		15
Sulfate	17000	17000	1	0.0306		15

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

(LCS) R3316059-2 06/06/18 10:04 • (LCSD) R3316059-3 06/06/18 10:19

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	8030	8000	100	100	80.0-120			0.429	15
Sulfate	40000	39500	39600	98.8	99.0	80.0-120			0.221	15

L999242-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L999242-22 06/06/18 15:32 • (MS) R3316059-5 06/06/18 15:47 • (MSD) R3316059-6 06/06/18 16:03

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Nitrate	5000	ND	4700	4750	92.8	93.7	1	80.0-120			1.01	15
Sulfate	50000	ND	49200	49900	96.4	97.8	1	80.0-120			1.41	15

L999264-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L999264-02 06/07/18 07:35 • (MS) R3316059-8 06/07/18 07:50

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate	5000	838	5550	94.2	1	80.0-120	
Sulfate	50000	223000	254000	62.2	1	80.0-120	E V

Method Blank (MB)

(MB) R3316523-1 06/08/18 09:41

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

L999166-01 Original Sample (OS) • Duplicate (DUP)

(OS) L999166-01 06/08/18 10:26 • (DUP) R3316523-3 06/08/18 11:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	22.2	19.8	1	11.5		20

L999167-01 Original Sample (OS) • Duplicate (DUP)

(OS) L999167-01 06/08/18 10:29 • (DUP) R3316523-4 06/08/18 11:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	11.1	9.16	1	19.2	J	20

L999170-01 Original Sample (OS) • Duplicate (DUP)

(OS) L999170-01 06/08/18 10:34 • (DUP) R3316523-5 06/08/18 11:16

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	41.6	44.2	1	6.07		20

Laboratory Control Sample (LCS)

(LCS) R3316523-6 06/08/18 13:41

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Methane	67.8	71.3	105	85.0-115	

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

(LCS) R3316523-2 06/08/18 11:04 • (LCSD) R3316523-6 06/08/18 11:53

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 %
Methane	67.8	76.1	73.9	112	109	85.0-115			2.93	20

Method Blank (MB)

(MB) R3317471-3 06/07/18 10:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
1,2-Dichloroethane	U		0.361	1.00
Ethylbenzene	U		0.384	1.00
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*97.8*			*80.0-120*
(S) Dibromofluoromethane	*97.8*			*76.0-123*
(S) 4-Bromofluorobenzene	*96.4*			*80.0-120*

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

(LCS) R3317471-1 06/07/18 09:15 • (LCSD) R3317471-2 06/07/18 09:35

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	26.3	26.5	105	106	70.0-130			1.05	20
1,2-Dichloroethane	25.0	29.5	29.9	118	120	70.0-130			1.44	20
Ethylbenzene	25.0	28.7	27.7	115	111	70.0-130			3.65	20
Methyl tert-butyl ether	25.0	27.6	27.7	110	111	70.0-130			0.260	20
Naphthalene	25.0	22.5	23.9	90.1	95.8	70.0-130			6.10	20
Toluene	25.0	27.3	26.9	109	107	70.0-130			1.55	20
Xylenes, Total	75.0	85.4	84.8	114	113	70.0-130			0.705	20
(S) Toluene-d8				*100*	*101*	*80.0-120*				
(S) Dibromofluoromethane				*97.7*	*98.7*	*76.0-123*				
(S) 4-Bromofluorobenzene				*94.2*	*97.2*	*80.0-120*				

Method Blank (MB)

(MB) R3316743-2 06/07/18 20:44

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) R3316743-2 06/07/18 20:44

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	*97.3*			*80.0-120*
(S) Dibromofluoromethane	*99.6*			*76.0-123*
(S) a,a,a-Trifluorotoluene	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.4*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3316743-1 06/07/18 19:46

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	146	117	70.0-130	
Benzene	25.0	27.3	109	70.0-130	
Bromodichloromethane	25.0	29.7	119	70.0-130	
Bromoform	25.0	28.2	113	70.0-130	
Bromomethane	25.0	29.6	118	70.0-130	
Carbon disulfide	25.0	26.5	106	70.0-130	
Carbon tetrachloride	25.0	30.6	122	70.0-130	
Chlorobenzene	25.0	28.8	115	70.0-130	
Chlorodibromomethane	25.0	29.9	119	70.0-130	
Chloroethane	25.0	27.8	111	70.0-130	
Chloroform	25.0	29.7	119	70.0-130	
Chloromethane	25.0	31.6	126	70.0-130	
1,2-Dibromo-3-Chloropropane	25.0	24.7	98.7	70.0-130	
1,2-Dibromoethane	25.0	27.9	111	70.0-130	
1,2-Dichlorobenzene	25.0	28.6	114	70.0-130	
1,3-Dichlorobenzene	25.0	28.8	115	70.0-130	
1,4-Dichlorobenzene	25.0	28.2	113	70.0-130	
1,1-Dichloroethane	25.0	30.2	121	70.0-130	
1,2-Dichloroethane	25.0	31.8	127	70.0-130	
1,1-Dichloroethene	25.0	28.8	115	70.0-130	
cis-1,2-Dichloroethene	25.0	26.7	107	70.0-130	
trans-1,2-Dichloroethene	25.0	27.9	112	70.0-130	
1,2-Dichloropropane	25.0	28.9	115	70.0-130	
cis-1,3-Dichloropropene	25.0	29.3	117	70.0-130	
trans-1,3-Dichloropropene	25.0	29.6	118	70.0-130	

Laboratory Control Sample (LCS)

(LCS) R3316743-1 06/07/18 19:46

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Di-isopropyl ether	25.0	31.9	128	70.0-130	
Ethylbenzene	25.0	29.3	117	70.0-130	
2-Hexanone	125	139	111	70.0-130	
2-Butanone (MEK)	125	140	112	70.0-130	
Methylene Chloride	25.0	25.9	103	70.0-130	
4-Methyl-2-pentanone (MIBK)	125	152	121	70.0-130	
Methyl tert-butyl ether	25.0	28.2	113	70.0-130	
Naphthalene	25.0	23.1	92.3	70.0-130	
Styrene	25.0	28.8	115	70.0-130	
1,1,2,2-Tetrachloroethane	25.0	26.3	105	70.0-130	
Tetrachloroethene	25.0	30.6	123	70.0-130	
Toluene	25.0	28.3	113	70.0-130	
1,1,2-Trichlorotrifluoroethane	25.0	26.7	107	70.0-130	
1,1,1-Trichloroethane	25.0	30.6	122	70.0-130	
1,1,2-Trichloroethane	25.0	27.6	110	70.0-130	
Trichloroethene	25.0	28.7	115	70.0-130	
1,2,3-Trimethylbenzene	25.0	28.0	112	70.0-130	
Vinyl chloride	25.0	32.2	129	70.0-130	
Xylenes, Total	75.0	87.7	117	70.0-130	
(S) Toluene-d8			*99.3*	*80.0-120*	
(S) Dibromofluoromethane			*98.5*	*76.0-123*	
(S) a,a,a-Trifluorotoluene			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*96.2*	*80.0-120*	

Method Blank (MB)

(MB) R3316892-2 06/10/18 12:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
Methyl tert-butyl ether	U		0.367	1.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*106*			*80.0-120*
(S) Dibromofluoromethane	*99.6*			*76.0-123*
(S) 4-Bromofluorobenzene	*110*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3316892-1 06/10/18 10:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	25.2	101	70.0-130	
Methyl tert-butyl ether	25.0	27.6	111	70.0-130	
Toluene	25.0	27.5	110	70.0-130	
Xylenes, Total	75.0	87.9	117	70.0-130	
(S) Toluene-d8			*108*	*80.0-120*	
(S) Dibromofluoromethane			*98.6*	*76.0-123*	
(S) 4-Bromofluorobenzene			*110*	*80.0-120*	

Method Blank (MB)

(MB) R3317568-3 06/13/18 10:49

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
(S) Toluene-d8	*101*			*80.0-120*
(S) Dibromofluoromethane	*97.1*			*76.0-123*
(S) 4-Bromofluorobenzene	*104*			*80.0-120*

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

(LCS) R3317568-1 06/13/18 09:29 • (LCSD) R3317568-2 06/13/18 09:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	25.0	24.0	24.1	96.0	96.4	70.0-130			0.451	20
(S) Toluene-d8				*102*	*103*	*80.0-120*				
(S) Dibromofluoromethane				*98.7*	*97.8*	*76.0-123*				
(S) 4-Bromofluorobenzene				*105*	*104*	*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, the sample preparation volume or weight values differ from the standard, 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.
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.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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

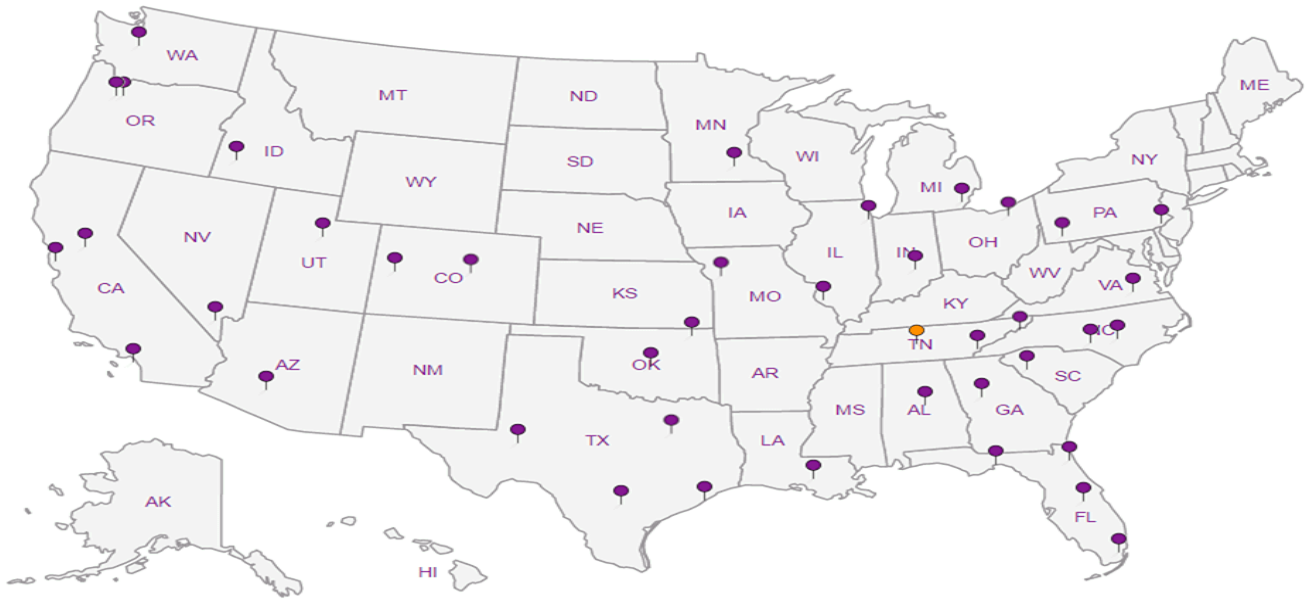
Third Party Federal Accreditations

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.



Kinder Morgan- Atlanta, GA

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

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: SC

Phone: 770-604-9182
Fax:

Client Project # 699858

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): KS, BG, EH, JM

Site/Facility ID # Lewis Dr.

P.O. #

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

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

Quote #

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NITRATE,SULFATE* 125mlHDPE-NoPres	ALK,CO2 125mlHDPE-NoPres	RSK175 40mlAmb HCl	V8260BTEXMNSC 40mlAmb-HCl	V8260TCLSC-TB 40mlAmb-NoPres-Blk	Remarks	Sample # (lab only)
MW-29-060518	Grab	GW		6.5.18	0900	3				/			-01
MW-46-060518		GW			0935	3				/			02
MW-22-060518		GW			1210	7	/	/	/	/			03
MW-26B-060518		GW			0920	3				/			04
MW-26-060518		GW			0940	3				/			05
MW-23-060518		GW			0952	3				/			06
MW-23B-060518		GW			1002	3				/			07
MW-44-060518		GW			1038	3				/			08
MW-44B-060518		GW			1045	3				/			09
MW-27B-060518		GW		6.5.18	1110	3				/			10

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

ESC LABORATORY SCIENCES
a subsidiary of Accutest

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

L# L999242

F164

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P655547
TSR: 526 - Chris McCord
PB: 5-30-18

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 X FedEx __ Courier __ _____

Tracking # 4380 6874 1147

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)
Bethany Garvey	6.5.18	1650	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			ASM

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

Temp: 0.6 °C Bottles Received: 12

Date: 6/6/18 Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Kinder Morgan- Atlanta, GA

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

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: SC

Phone: 770-604-9182
Fax:

Client Project # 699858

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): KS, BG, ETidom

Site/Facility ID # Lewis Dr.

P.O. #

Collected by (signature): Bethany Garvey
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	V8260TCLSC-TB 40mlAmb-NoPres-Blk	Remarks	Sample # (lab only)
MW-27-060518	Grab	GW		6.5.18	1120	3				/			-11
MW-01B-060518		GW			1135	3				/			12
EB01-060518		~~GW~~ WQ			1140	3				/			13
MW-49-060518		GW			1415	3				/			14
MW-28-060518		GW			1425	3				/			15
MW-25B-060518		GW			1440	3				/			16
MW-41-060518		GW			1450	3				/			17
MW-37-060518		GW			1510	3				/			18
MW-38-060518		GW			1520	3				/			19
MW-34-060518		GW		6.5.18	1530	3				/			20

Analysis / Container / Preservative

Chain of Custody

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# L999242

Table #

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P655547
TSR: 526 - Chris McCord
PB: 5-30-18

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 X FedEx __ Courier _____

Tracking # 4390 6874 1147

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)
Bethany Garvey	6.5.18	1650	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Date: 6/6/18 Time: 845

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

Temp: 0.62 °C Bottles Received: 12

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Kinder Morgan- Atlanta, GA

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

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: SC

Phone: 770-604-9182
Fax:

Client Project # 699858

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): KS, BG, EH, JM

Site/Facility ID # LewisDr

P.O. #

Collected by (signature): Bethany Garvey

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

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 3

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# L999242

Table #

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P655547
TSR: 526 - Chris McCord
PB: 5-30-18

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NITRATE,SULFATE* 125mlHDPE-NoPres	ALK,CO2 125mlHDPE-NoPres	RSK175 40mlAmb HCl	V8260BTEXMNSC 40mlAmb-HCl	V8260TCLSC-TB 40mlAmb-NoPres-Blk	Remarks	Sample # (lab only)
MW-39-060518	Grab	GW		6.5.18	1540	3				✓			21
mw-01-060518		GW			1340	7	X	X	X	X			22
mw-12-060518		GW			1440	7	X	X	X	X			23
mw-25-060518		GW			1505	7	X	X	X	X			24
mw-42-060518		GW			1522	7	X	X	X	X			25
mw-40-060518		GW			1550	7	X	X	X	X			26
~~TB~~ TB01-060518		~~GW~~ WQ		6.5.18	—	1					X		27
mw-44B-D-060518		GW		6.5.18	1045	3				X			28
MW-28-060518		GW		6.5.18	1625	7	X	X	X	X			29
		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 __ FedEx __ Courier _____

Tracking # 4300 6874 1147

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)
Bethany Garvey	6.5.18	1650	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)
			ASM

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

Temp: 6 °C Bottles Received: 12

Date: 10/6/18 Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

ANALYTICAL REPORT

June 14, 2018

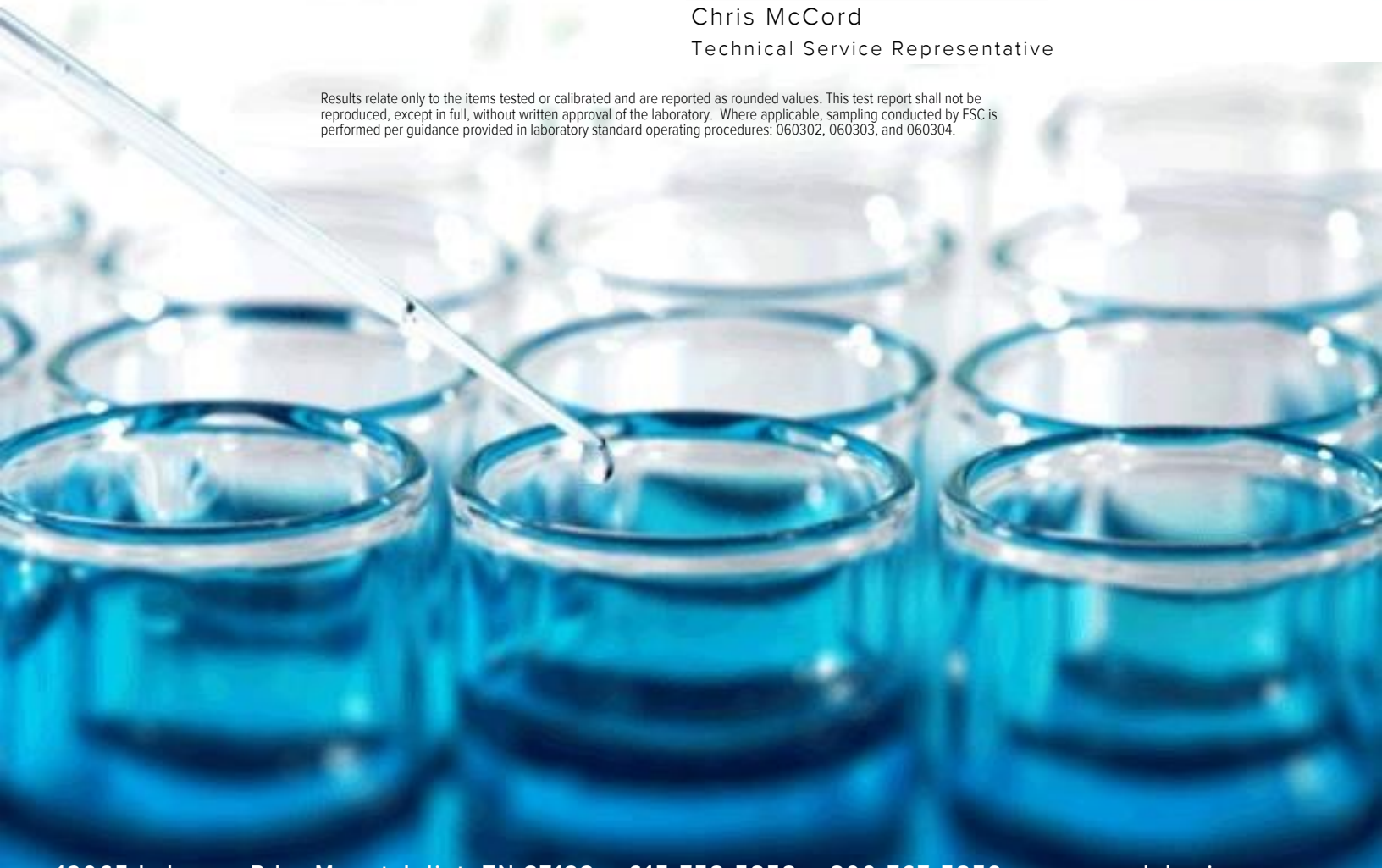
Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L999694
Samples Received:	06/07/2018
Project Number:	699858
Description:	Lewis Drive Groundwater
Site:	KM-LEWISDR
Report To:	Bethany Garvey 6600 Peachtree Dunwoody Road 400 Embassy Row - Suite 600 Atlanta, GA 30328

Entire Report Reviewed By:

Chris McCord
Technical Service Representative

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



MW-43B-060618 L999694-01 GW

Collected by: BG / EH | Collected date/time: 06/06/18 07:55 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 05:16	06/09/18 05:16	BMB

MW-43-060618 L999694-02 GW

Collected by: BG / EH | Collected date/time: 06/06/18 08:05 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 05:36	06/09/18 05:36	BMB

MW-24-060618 L999694-03 GW

Collected by: BG / EH | Collected date/time: 06/06/18 08:20 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 05:56	06/09/18 05:56	BMB

MW-24B-060618 L999694-04 GW

Collected by: BG / EH | Collected date/time: 06/06/18 08:30 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 06:16	06/09/18 06:16	BMB

MW-15B-060618 L999694-05 GW

Collected by: BG / EH | Collected date/time: 06/06/18 09:00 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 06:36	06/09/18 06:36	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124166	25	06/14/18 02:58	06/14/18 02:58	JHH

MW-14B-060618 L999694-06 GW

Collected by: BG / EH | Collected date/time: 06/06/18 09:40 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 06:56	06/09/18 06:56	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124166	1	06/14/18 03:20	06/14/18 03:20	JHH

MW-14-060618 L999694-07 GW

Collected by: BG / EH | Collected date/time: 06/06/18 09:50 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 07:16	06/09/18 07:16	BMB

MW-13B-060618 L999694-08 GW

Collected by: BG / EH | Collected date/time: 06/06/18 10:10 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 07:36	06/09/18 07:36	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124166	10	06/14/18 03:41	06/14/18 03:41	JHH

MW-13-060618 L999694-09 GW

Collected by: BG / EH | Collected date/time: 06/06/18 10:20 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 07:56	06/09/18 07:56	BMB

MW-47-060618 L999694-10 GW

Collected by: BG / EH | Collected date/time: 06/06/18 10:45 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 08:16	06/09/18 08:16	BMB

MW-31-060618 L999694-11 GW

Collected by: BG / EH | Collected date/time: 06/06/18 10:55 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 08:36	06/09/18 08:36	BMB

MW-33T-060618 L999694-12 GW

Collected by: BG / EH | Collected date/time: 06/06/18 11:07 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 08:56	06/09/18 08:56	BMB

MW-48B-060618 L999694-13 GW

Collected by: BG / EH | Collected date/time: 06/06/18 11:25 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 09:16	06/09/18 09:16	BMB

MW-48B-D-060618 L999694-14 GW

Collected by: BG / EH | Collected date/time: 06/06/18 11:25 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 09:36	06/09/18 09:36	BMB

FB02-060618 L999694-15 GW

Collected by: BG / EH | Collected date/time: 06/06/18 11:38 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 09:56	06/09/18 09:56	BMB

MW-50B-060618 L999694-16 GW

Collected by: BG / EH | Collected date/time: 06/06/18 13:13 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 10:16	06/09/18 10:16	BMB

MW-32-060618 L999694-17 GW

Collected by: BG / EH | Collected date/time: 06/06/18 13:45 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1123765	1	06/13/18 17:11	06/13/18 17:11	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1123765	1	06/13/18 17:11	06/13/18 17:11	MCG
Wet Chemistry by Method 9056A	WG1121161	1	06/07/18 19:04	06/07/18 19:04	DR
Volatile Organic Compounds (GC) by Method RSK175	WG1122650	1	06/11/18 13:27	06/11/18 13:27	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 10:35	06/09/18 10:35	BMB

MW-10-060618 L999694-18 GW

Collected by: BG / EH | Collected date/time: 06/06/18 14:05 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1123765	1	06/13/18 17:17	06/13/18 17:17	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1123765	1	06/13/18 17:17	06/13/18 17:17	MCG
Wet Chemistry by Method 9056A	WG1121161	1	06/07/18 19:20	06/07/18 19:20	DR
Volatile Organic Compounds (GC) by Method RSK175	WG1122650	1	06/11/18 13:31	06/11/18 13:31	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 10:55	06/09/18 10:55	BMB

MW-08-060618 L999694-19 GW

Collected by: BG / EH | Collected date/time: 06/06/18 14:40 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1123765	1	06/13/18 17:28	06/13/18 17:28	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1123765	1	06/13/18 17:28	06/13/18 17:28	MCG
Wet Chemistry by Method 9056A	WG1121161	1	06/07/18 20:06	06/07/18 20:06	DR
Volatile Organic Compounds (GC) by Method RSK175	WG1122650	1	06/11/18 13:34	06/11/18 13:34	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 11:15	06/09/18 11:15	BMB

MW-30-060618 L999694-20 GW

Collected by: BG / EH | Collected date/time: 06/06/18 15:00 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122001	1	06/09/18 11:35	06/09/18 11:35	BMB

MW-19-060618 L999694-21 GW

Collected by: BG / EH | Collected date/time: 06/06/18 07:47 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1123765	1	06/13/18 17:34	06/13/18 17:34	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1123765	1	06/13/18 17:34	06/13/18 17:34	MCG
Wet Chemistry by Method 9056A	WG1121161	1	06/07/18 20:52	06/07/18 20:52	DR
Volatile Organic Compounds (GC) by Method RSK175	WG1122650	1	06/11/18 13:38	06/11/18 13:38	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122034	1	06/08/18 23:56	06/08/18 23:56	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124100	50	06/14/18 02:15	06/14/18 02:15	JHH

MW-35-060618 L999694-22 GW

Collected by: BG / EH | Collected date/time: 06/06/18 09:00 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1123765	1	06/13/18 17:40	06/13/18 17:40	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1123765	1	06/13/18 17:40	06/13/18 17:40	MCG
Wet Chemistry by Method 9056A	WG1121161	1	06/07/18 21:07	06/07/18 21:07	DR
Volatile Organic Compounds (GC) by Method RSK175	WG1122995	1	06/12/18 11:34	06/12/18 11:34	BG

MW-35-060618 L999694-22 GW

Collected by: BG / EH | Collected date/time: 06/06/18 09:00 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122034	1	06/09/18 00:16	06/09/18 00:16	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124100	1	06/14/18 02:36	06/14/18 02:36	JHH

MW-15-060618 L999694-23 GW

Collected by: BG / EH | Collected date/time: 06/06/18 09:25 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1123765	1	06/13/18 17:46	06/13/18 17:46	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1123765	1	06/13/18 17:46	06/13/18 17:46	MCG
Wet Chemistry by Method 9056A	WG1121161	1	06/07/18 21:23	06/07/18 21:23	DR
Volatile Organic Compounds (GC) by Method RSK175	WG1122995	1	06/12/18 11:39	06/12/18 11:39	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122034	1	06/09/18 00:36	06/09/18 00:36	JAH

MW-04-060618 L999694-24 GW

Collected by: BG / EH | Collected date/time: 06/06/18 11:00 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1123765	1	06/13/18 18:02	06/13/18 18:02	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1123765	1	06/13/18 18:02	06/13/18 18:02	MCG
Wet Chemistry by Method 9056A	WG1121161	1	06/07/18 21:38	06/07/18 21:38	DR
Volatile Organic Compounds (GC) by Method RSK175	WG1122995	1	06/12/18 11:42	06/12/18 11:42	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122034	1	06/09/18 00:55	06/09/18 00:55	JAH

MW-03-060618 L999694-25 GW

Collected by: BG / EH | Collected date/time: 06/06/18 11:17 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1123765	1	06/13/18 18:08	06/13/18 18:08	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1123765	1	06/13/18 18:08	06/13/18 18:08	MCG
Wet Chemistry by Method 9056A	WG1121333	1	06/07/18 21:32	06/07/18 21:32	MAJ
Volatile Organic Compounds (GC) by Method RSK175	WG1122995	1	06/12/18 11:52	06/12/18 11:52	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122034	1	06/09/18 01:14	06/09/18 01:14	JAH

MW-02-060618 L999694-26 GW

Collected by: BG / EH | Collected date/time: 06/06/18 14:40 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1123765	1	06/13/18 18:14	06/13/18 18:14	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1123765	1	06/13/18 18:14	06/13/18 18:14	MCG
Wet Chemistry by Method 9056A	WG1121333	1	06/07/18 21:49	06/07/18 21:49	MAJ
Volatile Organic Compounds (GC) by Method RSK175	WG1122995	1	06/12/18 12:01	06/12/18 12:01	BG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122034	1	06/09/18 01:33	06/09/18 01:33	JAH

MW-09-060618 L999694-27 GW

Collected by: BG / EH | Collected date/time: 06/06/18 15:20 | Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1123765	1	06/13/18 18:22	06/13/18 18:22	MCG
Wet Chemistry by Method 4500CO2 D-2011	WG1123765	1	06/13/18 18:22	06/13/18 18:22	MCG
Wet Chemistry by Method 9056A	WG1121333	1	06/07/18 22:38	06/07/18 22:38	MAJ
Volatile Organic Compounds (GC) by Method RSK175	WG1122995	1	06/12/18 12:04	06/12/18 12:04	BG

MW-09-060618 L999694-27 GW

Collected by: BG / EH
Collected date/time: 06/06/18 15:20
Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122034	1	06/09/18 01:53	06/09/18 01:53	JAH

MW-02B-060618 L999694-28 GW

Collected by: BG / EH
Collected date/time: 06/06/18 15:10
Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122034	1	06/09/18 02:12	06/09/18 02:12	JAH

MW-09B-060618 L999694-29 GW

Collected by: BG / EH
Collected date/time: 06/06/18 15:27
Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122034	1	06/09/18 02:31	06/09/18 02:31	JAH

TB02-060618 L999694-30 GW

Collected by: BG / EH
Collected date/time: 06/06/18 00:00
Received date/time: 06/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122286	1	06/09/18 20:09	06/09/18 20:09	BMB

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	06/09/2018 05:16	WG1122001
Toluene	ND		1.00	1	06/09/2018 05:16	WG1122001
Ethylbenzene	ND		1.00	1	06/09/2018 05:16	WG1122001
Total Xylenes	ND		3.00	1	06/09/2018 05:16	WG1122001
Methyl tert-butyl ether	ND		1.00	1	06/09/2018 05:16	WG1122001
Naphthalene	ND		5.00	1	06/09/2018 05:16	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 05:16	WG1122001
(S) Toluene-d8	*103*		*80.0-120*		*06/09/2018 05:16*	WG1122001
(S) Dibromofluoromethane	*97.2*		*76.0-123*		*06/09/2018 05:16*	WG1122001
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*06/09/2018 05:16*	WG1122001

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	06/09/2018 05:36	WG1122001
Toluene	ND		1.00	1	06/09/2018 05:36	WG1122001
Ethylbenzene	ND		1.00	1	06/09/2018 05:36	WG1122001
Total Xylenes	ND		3.00	1	06/09/2018 05:36	WG1122001
Methyl tert-butyl ether	ND		1.00	1	06/09/2018 05:36	WG1122001
Naphthalene	ND		5.00	1	06/09/2018 05:36	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 05:36	WG1122001
(S) Toluene-d8	*102*		*80.0-120*		*06/09/2018 05:36*	WG1122001
(S) Dibromofluoromethane	*96.1*		*76.0-123*		*06/09/2018 05:36*	WG1122001
(S) 4-Bromofluorobenzene	*99.2*		*80.0-120*		*06/09/2018 05:36*	WG1122001

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	06/09/2018 05:56	WG1122001
Toluene	ND		1.00	1	06/09/2018 05:56	WG1122001
Ethylbenzene	ND		1.00	1	06/09/2018 05:56	WG1122001
Total Xylenes	ND		3.00	1	06/09/2018 05:56	WG1122001
Methyl tert-butyl ether	ND		1.00	1	06/09/2018 05:56	WG1122001
Naphthalene	ND		5.00	1	06/09/2018 05:56	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 05:56	WG1122001
(S) Toluene-d8	*102*		*80.0-120*		*06/09/2018 05:56*	WG1122001
(S) Dibromofluoromethane	*98.8*		*76.0-123*		*06/09/2018 05:56*	WG1122001
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*06/09/2018 05:56*	WG1122001

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	06/09/2018 06:16	WG1122001
Toluene	ND		1.00	1	06/09/2018 06:16	WG1122001
Ethylbenzene	ND		1.00	1	06/09/2018 06:16	WG1122001
Total Xylenes	ND		3.00	1	06/09/2018 06:16	WG1122001
Methyl tert-butyl ether	ND		1.00	1	06/09/2018 06:16	WG1122001
Naphthalene	ND		5.00	1	06/09/2018 06:16	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 06:16	WG1122001
(S) Toluene-d8	*102*		*80.0-120*		*06/09/2018 06:16*	WG1122001
(S) Dibromofluoromethane	*97.9*		*76.0-123*		*06/09/2018 06:16*	WG1122001
(S) 4-Bromofluorobenzene	*104*		*80.0-120*		*06/09/2018 06:16*	WG1122001

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	968		25.0	25	06/14/2018 02:58	WG1124166
Toluene	1990		25.0	25	06/14/2018 02:58	WG1124166
Ethylbenzene	82.8		1.00	1	06/09/2018 06:36	WG1122001
Total Xylenes	791		75.0	25	06/14/2018 02:58	WG1124166
Methyl tert-butyl ether	109		1.00	1	06/09/2018 06:36	WG1122001
Naphthalene	12.8		5.00	1	06/09/2018 06:36	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 06:36	WG1122001
(S) Toluene-d8	*103*		*80.0-120*		*06/09/2018 06:36*	WG1122001
(S) Toluene-d8	*102*		*80.0-120*		*06/14/2018 02:58*	WG1124166
(S) Dibromofluoromethane	*111*		*76.0-123*		*06/09/2018 06:36*	WG1122001
(S) Dibromofluoromethane	*104*		*76.0-123*		*06/14/2018 02:58*	WG1124166
(S) 4-Bromofluorobenzene	*104*		*80.0-120*		*06/09/2018 06:36*	WG1122001
(S) 4-Bromofluorobenzene	*109*		*80.0-120*		*06/14/2018 02:58*	WG1124166

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	8.63		1.00	1	06/14/2018 03:20	WG1124166
Toluene	ND		1.00	1	06/14/2018 03:20	WG1124166
Ethylbenzene	ND		1.00	1	06/09/2018 06:56	WG1122001
Total Xylenes	5.77		3.00	1	06/14/2018 03:20	WG1124166
Methyl tert-butyl ether	22.1		1.00	1	06/09/2018 06:56	WG1122001
Naphthalene	ND		5.00	1	06/09/2018 06:56	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 06:56	WG1122001
(S) Toluene-d8	*101*		*80.0-120*		*06/09/2018 06:56*	WG1122001
(S) Toluene-d8	*101*		*80.0-120*		*06/14/2018 03:20*	WG1124166
(S) Dibromofluoromethane	*72.7*	J2	*76.0-123*		*06/09/2018 06:56*	WG1122001
(S) Dibromofluoromethane	*67.7*	J2	*76.0-123*		*06/14/2018 03:20*	WG1124166
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*06/09/2018 06:56*	WG1122001
(S) 4-Bromofluorobenzene	*109*		*80.0-120*		*06/14/2018 03:20*	WG1124166

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	06/09/2018 07:16	WG1122001
Toluene	ND		1.00	1	06/09/2018 07:16	WG1122001
Ethylbenzene	ND		1.00	1	06/09/2018 07:16	WG1122001
Total Xylenes	ND		3.00	1	06/09/2018 07:16	WG1122001
Methyl tert-butyl ether	ND		1.00	1	06/09/2018 07:16	WG1122001
Naphthalene	ND		5.00	1	06/09/2018 07:16	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 07:16	WG1122001
(S) Toluene-d8	*101*		*80.0-120*		*06/09/2018 07:16*	WG1122001
(S) Dibromofluoromethane	*95.8*		*76.0-123*		*06/09/2018 07:16*	WG1122001
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*06/09/2018 07:16*	WG1122001

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	498		10.0	10	06/14/2018 03:41	WG1124166
Toluene	469		10.0	10	06/14/2018 03:41	WG1124166
Ethylbenzene	47.7		1.00	1	06/09/2018 07:36	WG1122001
Total Xylenes	282		3.00	1	06/09/2018 07:36	WG1122001
Methyl tert-butyl ether	148		1.00	1	06/09/2018 07:36	WG1122001
Naphthalene	8.47		5.00	1	06/09/2018 07:36	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 07:36	WG1122001
(S) Toluene-d8	*106*		*80.0-120*		*06/09/2018 07:36*	WG1122001
(S) Toluene-d8	*101*		*80.0-120*		*06/14/2018 03:41*	WG1124166
(S) Dibromofluoromethane	*106*		*76.0-123*		*06/09/2018 07:36*	WG1122001
(S) Dibromofluoromethane	*102*		*76.0-123*		*06/14/2018 03:41*	WG1124166
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*06/09/2018 07:36*	WG1122001
(S) 4-Bromofluorobenzene	*109*		*80.0-120*		*06/14/2018 03:41*	WG1124166

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	44.2		1.00	1	06/09/2018 07:56	WG1122001
Toluene	86.2		1.00	1	06/09/2018 07:56	WG1122001
Ethylbenzene	4.25		1.00	1	06/09/2018 07:56	WG1122001
Total Xylenes	19.9		3.00	1	06/09/2018 07:56	WG1122001
Methyl tert-butyl ether	ND		1.00	1	06/09/2018 07:56	WG1122001
Naphthalene	ND		5.00	1	06/09/2018 07:56	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 07:56	WG1122001
(S) Toluene-d8	*103*		*80.0-120*		*06/09/2018 07:56*	WG1122001
(S) Dibromofluoromethane	*96.9*		*76.0-123*		*06/09/2018 07:56*	WG1122001
(S) 4-Bromofluorobenzene	*99.6*		*80.0-120*		*06/09/2018 07:56*	WG1122001

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	06/09/2018 08:16	WG1122001
Toluene	ND		1.00	1	06/09/2018 08:16	WG1122001
Ethylbenzene	ND		1.00	1	06/09/2018 08:16	WG1122001
Total Xylenes	ND		3.00	1	06/09/2018 08:16	WG1122001
Methyl tert-butyl ether	ND		1.00	1	06/09/2018 08:16	WG1122001
Naphthalene	ND		5.00	1	06/09/2018 08:16	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 08:16	WG1122001
(S) Toluene-d8	*102*		*80.0-120*		*06/09/2018 08:16*	WG1122001
(S) Dibromofluoromethane	*95.4*		*76.0-123*		*06/09/2018 08:16*	WG1122001
(S) 4-Bromofluorobenzene	*99.7*		*80.0-120*		*06/09/2018 08:16*	WG1122001

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	06/09/2018 08:36	WG1122001
Toluene	ND		1.00	1	06/09/2018 08:36	WG1122001
Ethylbenzene	ND		1.00	1	06/09/2018 08:36	WG1122001
Total Xylenes	ND		3.00	1	06/09/2018 08:36	WG1122001
Methyl tert-butyl ether	ND		1.00	1	06/09/2018 08:36	WG1122001
Naphthalene	ND		5.00	1	06/09/2018 08:36	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 08:36	WG1122001
(S) Toluene-d8	*102*		*80.0-120*		*06/09/2018 08:36*	WG1122001
(S) Dibromofluoromethane	*95.5*		*76.0-123*		*06/09/2018 08:36*	WG1122001
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*06/09/2018 08:36*	WG1122001

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	06/09/2018 08:56	WG1122001
Toluene	ND		1.00	1	06/09/2018 08:56	WG1122001
Ethylbenzene	ND		1.00	1	06/09/2018 08:56	WG1122001
Total Xylenes	ND		3.00	1	06/09/2018 08:56	WG1122001
Methyl tert-butyl ether	ND		1.00	1	06/09/2018 08:56	WG1122001
Naphthalene	ND		5.00	1	06/09/2018 08:56	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 08:56	WG1122001
(S) Toluene-d8	*104*		*80.0-120*		*06/09/2018 08:56*	WG1122001
(S) Dibromofluoromethane	*96.4*		*76.0-123*		*06/09/2018 08:56*	WG1122001
(S) 4-Bromofluorobenzene	*104*		*80.0-120*		*06/09/2018 08:56*	WG1122001

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	06/09/2018 09:16	WG1122001
Toluene	ND		1.00	1	06/09/2018 09:16	WG1122001
Ethylbenzene	ND		1.00	1	06/09/2018 09:16	WG1122001
Total Xylenes	ND		3.00	1	06/09/2018 09:16	WG1122001
Methyl tert-butyl ether	2.12		1.00	1	06/09/2018 09:16	WG1122001
Naphthalene	ND		5.00	1	06/09/2018 09:16	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 09:16	WG1122001
(S) Toluene-d8	*103*		*80.0-120*		*06/09/2018 09:16*	WG1122001
(S) Dibromofluoromethane	*96.0*		*76.0-123*		*06/09/2018 09:16*	WG1122001
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*06/09/2018 09:16*	WG1122001

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	06/09/2018 09:36	WG1122001
Toluene	ND		1.00	1	06/09/2018 09:36	WG1122001
Ethylbenzene	ND		1.00	1	06/09/2018 09:36	WG1122001
Total Xylenes	ND		3.00	1	06/09/2018 09:36	WG1122001
Methyl tert-butyl ether	2.11		1.00	1	06/09/2018 09:36	WG1122001
Naphthalene	ND		5.00	1	06/09/2018 09:36	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 09:36	WG1122001
(S) Toluene-d8	*102*		*80.0-120*		*06/09/2018 09:36*	WG1122001
(S) Dibromofluoromethane	*94.0*		*76.0-123*		*06/09/2018 09:36*	WG1122001
(S) 4-Bromofluorobenzene	*103*		*80.0-120*		*06/09/2018 09:36*	WG1122001

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	06/09/2018 09:56	WG1122001
Toluene	ND		1.00	1	06/09/2018 09:56	WG1122001
Ethylbenzene	ND		1.00	1	06/09/2018 09:56	WG1122001
Total Xylenes	ND		3.00	1	06/09/2018 09:56	WG1122001
Methyl tert-butyl ether	ND		1.00	1	06/09/2018 09:56	WG1122001
Naphthalene	ND		5.00	1	06/09/2018 09:56	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 09:56	WG1122001
(S) Toluene-d8	*103*		*80.0-120*		*06/09/2018 09:56*	WG1122001
(S) Dibromofluoromethane	*97.8*		*76.0-123*		*06/09/2018 09:56*	WG1122001
(S) 4-Bromofluorobenzene	*103*		*80.0-120*		*06/09/2018 09:56*	WG1122001

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	06/09/2018 10:16	WG1122001
Toluene	ND		1.00	1	06/09/2018 10:16	WG1122001
Ethylbenzene	ND		1.00	1	06/09/2018 10:16	WG1122001
Total Xylenes	ND		3.00	1	06/09/2018 10:16	WG1122001
Methyl tert-butyl ether	21.8		1.00	1	06/09/2018 10:16	WG1122001
Naphthalene	ND		5.00	1	06/09/2018 10:16	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 10:16	WG1122001
(S) Toluene-d8	*103*		*80.0-120*		*06/09/2018 10:16*	WG1122001
(S) Dibromofluoromethane	*95.8*		*76.0-123*		*06/09/2018 10:16*	WG1122001
(S) 4-Bromofluorobenzene	*99.6*		*80.0-120*		*06/09/2018 10:16*	WG1122001

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	06/13/2018 17:11	WG1123765

Sample Narrative:
L999694-17 WG1123765: 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	06/13/2018 17:11	WG1123765

Sample Narrative:
L999694-17 WG1123765: 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)	774		100	1	06/07/2018 19:04	WG1121161
Sulfate	ND		5000	1	06/07/2018 19:04	WG1121161

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	06/11/2018 13:27	WG1122650

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	06/09/2018 10:35	WG1122001
Toluene	ND		1.00	1	06/09/2018 10:35	WG1122001
Ethylbenzene	ND		1.00	1	06/09/2018 10:35	WG1122001
Total Xylenes	ND		3.00	1	06/09/2018 10:35	WG1122001
Methyl tert-butyl ether	ND		1.00	1	06/09/2018 10:35	WG1122001
Naphthalene	ND		5.00	1	06/09/2018 10:35	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 10:35	WG1122001
(S) Toluene-d8	*101*		*80.0-120*		*06/09/2018 10:35*	WG1122001
(S) Dibromofluoromethane	*97.7*		*76.0-123*		*06/09/2018 10:35*	WG1122001
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*06/09/2018 10:35*	WG1122001

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	06/13/2018 17:17	WG1123765

Sample Narrative:
L999694-18 WG1123765: 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	39800	T8	20000	1	06/13/2018 17:17	WG1123765

Sample Narrative:
L999694-18 WG1123765: 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	06/07/2018 19:20	WG1121161
Sulfate	ND		5000	1	06/07/2018 19:20	WG1121161

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	06/11/2018 13:31	WG1122650

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	06/09/2018 10:55	WG1122001
Toluene	ND		1.00	1	06/09/2018 10:55	WG1122001
Ethylbenzene	ND		1.00	1	06/09/2018 10:55	WG1122001
Total Xylenes	ND		3.00	1	06/09/2018 10:55	WG1122001
Methyl tert-butyl ether	ND		1.00	1	06/09/2018 10:55	WG1122001
Naphthalene	ND		5.00	1	06/09/2018 10:55	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 10:55	WG1122001
(S) Toluene-d8	*101*		*80.0-120*		*06/09/2018 10:55*	WG1122001
(S) Dibromofluoromethane	*96.5*		*76.0-123*		*06/09/2018 10:55*	WG1122001
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*06/09/2018 10:55*	WG1122001

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	ND		20000	1	06/13/2018 17:28	WG1123765

Sample Narrative:
L999694-19 WG1123765: 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	06/13/2018 17:28	WG1123765

Sample Narrative:
L999694-19 WG1123765: 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	06/07/2018 20:06	WG1121161
Sulfate	ND		5000	1	06/07/2018 20:06	WG1121161

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	06/11/2018 13:34	WG1122650

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	06/09/2018 11:15	WG1122001
Toluene	ND		1.00	1	06/09/2018 11:15	WG1122001
Ethylbenzene	ND		1.00	1	06/09/2018 11:15	WG1122001
Total Xylenes	ND		3.00	1	06/09/2018 11:15	WG1122001
Methyl tert-butyl ether	ND		1.00	1	06/09/2018 11:15	WG1122001
Naphthalene	ND		5.00	1	06/09/2018 11:15	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 11:15	WG1122001
(S) Toluene-d8	*104*		*80.0-120*		*06/09/2018 11:15*	WG1122001
(S) Dibromofluoromethane	*96.8*		*76.0-123*		*06/09/2018 11:15*	WG1122001
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*06/09/2018 11:15*	WG1122001

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	06/09/2018 11:35	WG1122001
Toluene	ND		1.00	1	06/09/2018 11:35	WG1122001
Ethylbenzene	ND		1.00	1	06/09/2018 11:35	WG1122001
Total Xylenes	ND		3.00	1	06/09/2018 11:35	WG1122001
Methyl tert-butyl ether	2.58		1.00	1	06/09/2018 11:35	WG1122001
Naphthalene	ND		5.00	1	06/09/2018 11:35	WG1122001
1,2-Dichloroethane	ND		1.00	1	06/09/2018 11:35	WG1122001
(S) Toluene-d8	*101*		*80.0-120*		*06/09/2018 11:35*	WG1122001
(S) Dibromofluoromethane	*97.7*		*76.0-123*		*06/09/2018 11:35*	WG1122001
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*06/09/2018 11:35*	WG1122001

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	27700		20000	1	06/13/2018 17:34	WG1123765

Sample Narrative:
L999694-21 WG1123765: 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	99200	T8	20000	1	06/13/2018 17:34	WG1123765

Sample Narrative:
L999694-21 WG1123765: 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)	247		100	1	06/07/2018 20:52	WG1121161
Sulfate	24200		5000	1	06/07/2018 20:52	WG1121161

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	25.6		10.0	1	06/11/2018 13:38	WG1122650

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	8.15		1.00	1	06/08/2018 23:56	WG1122034
Toluene	385		50.0	50	06/14/2018 02:15	WG1124100
Ethylbenzene	149		50.0	50	06/14/2018 02:15	WG1124100
Total Xylenes	1260		150	50	06/14/2018 02:15	WG1124100
Methyl tert-butyl ether	ND		1.00	1	06/08/2018 23:56	WG1122034
Naphthalene	ND		250	50	06/14/2018 02:15	WG1124100
1,2-Dichloroethane	1.53		1.00	1	06/08/2018 23:56	WG1122034
(S) Toluene-d8	*89.4*		*80.0-120*		*06/08/2018 23:56*	WG1122034
(S) Toluene-d8	*101*		*80.0-120*		*06/14/2018 02:15*	WG1124100
(S) Dibromofluoromethane	*97.5*		*76.0-123*		*06/08/2018 23:56*	WG1122034
(S) Dibromofluoromethane	*106*		*76.0-123*		*06/14/2018 02:15*	WG1124100
(S) 4-Bromofluorobenzene	*100*		*80.0-120*		*06/08/2018 23:56*	WG1122034
(S) 4-Bromofluorobenzene	*108*		*80.0-120*		*06/14/2018 02:15*	WG1124100

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	06/13/2018 17:40	WG1123765

Sample Narrative:
L999694-22 WG1123765: 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	33100	T8	20000	1	06/13/2018 17:40	WG1123765

Sample Narrative:
L999694-22 WG1123765: 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)	1120		100	1	06/07/2018 21:07	WG1121161
Sulfate	ND		5000	1	06/07/2018 21:07	WG1121161

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	06/12/2018 11:34	WG1122995

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	06/09/2018 00:16	WG1122034
Toluene	ND		1.00	1	06/09/2018 00:16	WG1122034
Ethylbenzene	ND		1.00	1	06/09/2018 00:16	WG1122034
Total Xylenes	ND		3.00	1	06/14/2018 02:36	WG1124100
Methyl tert-butyl ether	ND		1.00	1	06/09/2018 00:16	WG1122034
Naphthalene	ND		5.00	1	06/14/2018 02:36	WG1124100
1,2-Dichloroethane	ND		1.00	1	06/09/2018 00:16	WG1122034
(S) Toluene-d8	*101*		*80.0-120*		*06/09/2018 00:16*	WG1122034
(S) Toluene-d8	*102*		*80.0-120*		*06/14/2018 02:36*	WG1124100
(S) Dibromofluoromethane	*96.3*		*76.0-123*		*06/09/2018 00:16*	WG1122034
(S) Dibromofluoromethane	*104*		*76.0-123*		*06/14/2018 02:36*	WG1124100
(S) 4-Bromofluorobenzene	*97.2*		*80.0-120*		*06/09/2018 00:16*	WG1122034
(S) 4-Bromofluorobenzene	*108*		*80.0-120*		*06/14/2018 02:36*	WG1124100

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	06/13/2018 17:46	WG1123765

Sample Narrative:
L999694-23 WG1123765: 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	06/13/2018 17:46	WG1123765

Sample Narrative:
L999694-23 WG1123765: 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)	921		100	1	06/07/2018 21:23	WG1121161
Sulfate	ND		5000	1	06/07/2018 21:23	WG1121161

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	06/12/2018 11:39	WG1122995

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	52.2		1.00	1	06/09/2018 00:36	WG1122034
Toluene	81.4		1.00	1	06/09/2018 00:36	WG1122034
Ethylbenzene	4.11		1.00	1	06/09/2018 00:36	WG1122034
Total Xylenes	46.5		3.00	1	06/09/2018 00:36	WG1122034
Methyl tert-butyl ether	63.8		1.00	1	06/09/2018 00:36	WG1122034
Naphthalene	ND		5.00	1	06/09/2018 00:36	WG1122034
1,2-Dichloroethane	ND		1.00	1	06/09/2018 00:36	WG1122034
(S) Toluene-d8	*101*		*80.0-120*		*06/09/2018 00:36*	WG1122034
(S) Dibromofluoromethane	*96.7*		*76.0-123*		*06/09/2018 00:36*	WG1122034
(S) 4-Bromofluorobenzene	*96.4*		*80.0-120*		*06/09/2018 00:36*	WG1122034

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	06/13/2018 18:02	WG1123765

Sample Narrative:
L999694-24 WG1123765: 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	28200	T8	20000	1	06/13/2018 18:02	WG1123765

Sample Narrative:
L999694-24 WG1123765: 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	06/07/2018 21:38	WG1121161
Sulfate	ND		5000	1	06/07/2018 21:38	WG1121161

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	06/12/2018 11:42	WG1122995

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	06/09/2018 00:55	WG1122034
Toluene	ND		1.00	1	06/09/2018 00:55	WG1122034
Ethylbenzene	ND		1.00	1	06/09/2018 00:55	WG1122034
Total Xylenes	ND		3.00	1	06/09/2018 00:55	WG1122034
Methyl tert-butyl ether	ND		1.00	1	06/09/2018 00:55	WG1122034
Naphthalene	ND		5.00	1	06/09/2018 00:55	WG1122034
1,2-Dichloroethane	ND		1.00	1	06/09/2018 00:55	WG1122034
(S) Toluene-d8	*101*		*80.0-120*		*06/09/2018 00:55*	WG1122034
(S) Dibromofluoromethane	*98.4*		*76.0-123*		*06/09/2018 00:55*	WG1122034
(S) 4-Bromofluorobenzene	*95.0*		*80.0-120*		*06/09/2018 00:55*	WG1122034

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	06/13/2018 18:08	WG1123765

Sample Narrative:
L999694-25 WG1123765: 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	06/13/2018 18:08	WG1123765

Sample Narrative:
L999694-25 WG1123765: 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)	648		100	1	06/07/2018 21:32	WG1121333
Sulfate	ND		5000	1	06/07/2018 21:32	WG1121333

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	06/12/2018 11:52	WG1122995

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	06/09/2018 01:14	WG1122034
Toluene	ND		1.00	1	06/09/2018 01:14	WG1122034
Ethylbenzene	ND		1.00	1	06/09/2018 01:14	WG1122034
Total Xylenes	ND		3.00	1	06/09/2018 01:14	WG1122034
Methyl tert-butyl ether	ND		1.00	1	06/09/2018 01:14	WG1122034
Naphthalene	ND		5.00	1	06/09/2018 01:14	WG1122034
1,2-Dichloroethane	ND		1.00	1	06/09/2018 01:14	WG1122034
(S) Toluene-d8	*102*		*80.0-120*		*06/09/2018 01:14*	WG1122034
(S) Dibromofluoromethane	*97.0*		*76.0-123*		*06/09/2018 01:14*	WG1122034
(S) 4-Bromofluorobenzene	*95.8*		*80.0-120*		*06/09/2018 01:14*	WG1122034

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	ND		20000	1	06/13/2018 18:14	WG1123765

Sample Narrative:
L999694-26 WG1123765: 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	06/13/2018 18:14	WG1123765

Sample Narrative:
L999694-26 WG1123765: 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	06/07/2018 21:49	WG1121333
Sulfate	ND		5000	1	06/07/2018 21:49	WG1121333

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methane	10.3		10.0	1	06/12/2018 12:01	WG1122995

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	06/09/2018 01:33	WG1122034
Toluene	3.19		1.00	1	06/09/2018 01:33	WG1122034
Ethylbenzene	ND		1.00	1	06/09/2018 01:33	WG1122034
Total Xylenes	3.70		3.00	1	06/09/2018 01:33	WG1122034
Methyl tert-butyl ether	1.25		1.00	1	06/09/2018 01:33	WG1122034
Naphthalene	ND		5.00	1	06/09/2018 01:33	WG1122034
1,2-Dichloroethane	ND		1.00	1	06/09/2018 01:33	WG1122034
(S) Toluene-d8	*102*		*80.0-120*		*06/09/2018 01:33*	WG1122034
(S) Dibromofluoromethane	*95.7*		*76.0-123*		*06/09/2018 01:33*	WG1122034
(S) 4-Bromofluorobenzene	*95.4*		*80.0-120*		*06/09/2018 01:33*	WG1122034

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	ND		20000	1	06/13/2018 18:22	WG1123765

Sample Narrative:
L999694-27 WG1123765: 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	06/13/2018 18:22	WG1123765

Sample Narrative:
L999694-27 WG1123765: 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)	1500		100	1	06/07/2018 22:38	WG1121333
Sulfate	ND		5000	1	06/07/2018 22:38	WG1121333

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	06/12/2018 12:04	WG1122995

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	2.25		1.00	1	06/09/2018 01:53	WG1122034
Toluene	6.06		1.00	1	06/09/2018 01:53	WG1122034
Ethylbenzene	ND		1.00	1	06/09/2018 01:53	WG1122034
Total Xylenes	4.75		3.00	1	06/09/2018 01:53	WG1122034
Methyl tert-butyl ether	3.65		1.00	1	06/09/2018 01:53	WG1122034
Naphthalene	ND		5.00	1	06/09/2018 01:53	WG1122034
1,2-Dichloroethane	ND		1.00	1	06/09/2018 01:53	WG1122034
(S) Toluene-d8	*99.5*		*80.0-120*		*06/09/2018 01:53*	WG1122034
(S) Dibromofluoromethane	*95.3*		*76.0-123*		*06/09/2018 01:53*	WG1122034
(S) 4-Bromofluorobenzene	*96.1*		*80.0-120*		*06/09/2018 01:53*	WG1122034

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	06/09/2018 02:12	WG1122034
Toluene	ND		1.00	1	06/09/2018 02:12	WG1122034
Ethylbenzene	ND		1.00	1	06/09/2018 02:12	WG1122034
Total Xylenes	ND		3.00	1	06/09/2018 02:12	WG1122034
Methyl tert-butyl ether	ND		1.00	1	06/09/2018 02:12	WG1122034
Naphthalene	ND		5.00	1	06/09/2018 02:12	WG1122034
1,2-Dichloroethane	ND		1.00	1	06/09/2018 02:12	WG1122034
(S) Toluene-d8	*98.9*		*80.0-120*		*06/09/2018 02:12*	WG1122034
(S) Dibromofluoromethane	*98.1*		*76.0-123*		*06/09/2018 02:12*	WG1122034
(S) 4-Bromofluorobenzene	*94.0*		*80.0-120*		*06/09/2018 02:12*	WG1122034

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	17.1		1.00	1	06/09/2018 02:31	WG1122034
Toluene	66.5		1.00	1	06/09/2018 02:31	WG1122034
Ethylbenzene	16.5		1.00	1	06/09/2018 02:31	WG1122034
Total Xylenes	139		3.00	1	06/09/2018 02:31	WG1122034
Methyl tert-butyl ether	3.61		1.00	1	06/09/2018 02:31	WG1122034
Naphthalene	8.09		5.00	1	06/09/2018 02:31	WG1122034
1,2-Dichloroethane	ND		1.00	1	06/09/2018 02:31	WG1122034
(S) Toluene-d8	*98.0*		*80.0-120*		*06/09/2018 02:31*	WG1122034
(S) Dibromofluoromethane	*92.4*		*76.0-123*		*06/09/2018 02:31*	WG1122034
(S) 4-Bromofluorobenzene	*97.4*		*80.0-120*		*06/09/2018 02:31*	WG1122034

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	06/09/2018 20:09	WG1122286
Benzene	ND		1.00	1	06/09/2018 20:09	WG1122286
Bromodichloromethane	ND		1.00	1	06/09/2018 20:09	WG1122286
Bromoform	ND		1.00	1	06/09/2018 20:09	WG1122286
Bromomethane	ND		5.00	1	06/09/2018 20:09	WG1122286
Carbon disulfide	ND		1.00	1	06/09/2018 20:09	WG1122286
Carbon tetrachloride	ND		1.00	1	06/09/2018 20:09	WG1122286
Chlorobenzene	ND		1.00	1	06/09/2018 20:09	WG1122286
Chlorodibromomethane	ND		1.00	1	06/09/2018 20:09	WG1122286
Chloroethane	ND		5.00	1	06/09/2018 20:09	WG1122286
Chloroform	ND		5.00	1	06/09/2018 20:09	WG1122286
Chloromethane	ND		2.50	1	06/09/2018 20:09	WG1122286
1,2-Dibromo-3-Chloropropane	ND		5.00	1	06/09/2018 20:09	WG1122286
1,2-Dibromoethane	ND		1.00	1	06/09/2018 20:09	WG1122286
1,2-Dichlorobenzene	ND		1.00	1	06/09/2018 20:09	WG1122286
1,3-Dichlorobenzene	ND		1.00	1	06/09/2018 20:09	WG1122286
1,4-Dichlorobenzene	ND		1.00	1	06/09/2018 20:09	WG1122286
1,1-Dichloroethane	ND		1.00	1	06/09/2018 20:09	WG1122286
1,2-Dichloroethane	ND		1.00	1	06/09/2018 20:09	WG1122286
1,1-Dichloroethene	ND		1.00	1	06/09/2018 20:09	WG1122286
cis-1,2-Dichloroethene	ND		1.00	1	06/09/2018 20:09	WG1122286
trans-1,2-Dichloroethene	ND		1.00	1	06/09/2018 20:09	WG1122286
1,2-Dichloropropane	ND		1.00	1	06/09/2018 20:09	WG1122286
cis-1,3-Dichloropropene	ND		1.00	1	06/09/2018 20:09	WG1122286
trans-1,3-Dichloropropene	ND		1.00	1	06/09/2018 20:09	WG1122286
Di-isopropyl ether	ND		1.00	1	06/09/2018 20:09	WG1122286
Ethylbenzene	ND		1.00	1	06/09/2018 20:09	WG1122286
2-Butanone (MEK)	ND		10.0	1	06/09/2018 20:09	WG1122286
2-Hexanone	ND		10.0	1	06/09/2018 20:09	WG1122286
Methylene Chloride	ND		5.00	1	06/09/2018 20:09	WG1122286
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	06/09/2018 20:09	WG1122286
Methyl tert-butyl ether	ND		1.00	1	06/09/2018 20:09	WG1122286
Naphthalene	ND		5.00	1	06/09/2018 20:09	WG1122286
Styrene	ND		1.00	1	06/09/2018 20:09	WG1122286
1,1,2,2-Tetrachloroethane	ND		1.00	1	06/09/2018 20:09	WG1122286
Tetrachloroethene	ND		1.00	1	06/09/2018 20:09	WG1122286
Toluene	ND		1.00	1	06/09/2018 20:09	WG1122286
1,1,1-Trichloroethane	ND		1.00	1	06/09/2018 20:09	WG1122286
1,1,2-Trichloroethane	ND		1.00	1	06/09/2018 20:09	WG1122286
Trichloroethene	ND		1.00	1	06/09/2018 20:09	WG1122286
Vinyl chloride	ND		1.00	1	06/09/2018 20:09	WG1122286
Xylenes, Total	ND		3.00	1	06/09/2018 20:09	WG1122286
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	06/09/2018 20:09	WG1122286
1,2,3-Trimethylbenzene	ND		1.00	1	06/09/2018 20:09	WG1122286
(S) Toluene-d8	*101*		*80.0-120*		*06/09/2018 20:09*	WG1122286
(S) Dibromofluoromethane	*98.6*		*76.0-123*		*06/09/2018 20:09*	WG1122286
(S) a,a,a-Trifluorotoluene	*104*		*80.0-120*		*06/09/2018 20:09*	WG1122286
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*06/09/2018 20:09*	WG1122286

L999694-18 Original Sample (OS) • Duplicate (DUP)

(OS) L999694-18 06/13/18 17:17 • (DUP) R3317829-1 06/13/18 17:22

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

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

L999802-04 Original Sample (OS) • Duplicate (DUP)

(OS) L999802-04 06/13/18 19:25 • (DUP) R3317829-5 06/13/18 19:33

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	74600	74600	1	0.0946		20

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

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

(LCS) R3317829-3 06/13/18 17:53 • (LCSD) R3317829-4 06/13/18 19:16

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	106000	107000	106	107	85.0-115			0.708	20

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

L999694-18 Original Sample (OS) • Duplicate (DUP)

(OS) L999694-18 06/13/18 17:17 • (DUP) R3317829-2 06/13/18 17:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Free Carbon Dioxide	39800	38500	1	3.43		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

L999802-04 Original Sample (OS) • Duplicate (DUP)

(OS) L999802-04 06/13/18 19:25 • (DUP) R3317829-6 06/13/18 19:33

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 headspace

DUP: Endpoint pH 4.5

Method Blank (MB)

(MB) R3316219-1 06/07/18 11:18

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

L999660-02 Original Sample (OS) • Duplicate (DUP)

(OS) L999660-02 06/07/18 16:15 • (DUP) R3316219-4 06/07/18 16:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate	ND	0.000	1	0.000		15
Sulfate	22600	22500	1	0.429		15

L999694-18 Original Sample (OS) • Duplicate (DUP)

(OS) L999694-18 06/07/18 19:20 • (DUP) R3316219-7 06/07/18 19:35

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate	ND	0.000	1	0.000		15
Sulfate	ND	1260	1	0.000		15

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

(LCS) R3316219-2 06/07/18 11:33 • (LCSD) R3316219-3 06/07/18 11:49

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Nitrate	8000	8090	8060	101	101	80.0-120			0.411	15
Sulfate	40000	39800	39500	99.5	98.9	80.0-120			0.650	15

L999660-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L999660-02 06/07/18 16:15 • (MS) R3316219-5 06/07/18 16:45 • (MSD) R3316219-6 06/07/18 17:01

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Nitrate	5000	ND	4690	4640	93.7	92.9	1	80.0-120			0.937	15
Sulfate	50000	22600	69900	69000	94.7	92.9	1	80.0-120			1.28	15

L999694-18 Original Sample (OS) • Matrix Spike (MS)

(OS) L999694-18 06/07/18 19:20 • (MS) R3316219-8 06/07/18 19:50

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate	5000	ND	4830	96.6	1	80.0-120	
Sulfate	50000	ND	53800	105	1	80.0-120	

Method Blank (MB)

(MB) R3316378-1 06/07/18 10:04

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

L999676-01 Original Sample (OS) • Duplicate (DUP)

(OS) L999676-01 06/07/18 19:54 • (DUP) R3316378-4 06/07/18 20:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate	385	411	1	6.68		15
Sulfate	10900	11000	1	0.873		15

L999755-04 Original Sample (OS) • Duplicate (DUP)

(OS) L999755-04 06/07/18 23:27 • (DUP) R3316378-7 06/07/18 23:44

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

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

(LCS) R3316378-2 06/07/18 10:20 • (LCSD) R3316378-3 06/07/18 10:37

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	7850	8120	98.2	102	80.0-120			3.35	15
Sulfate	40000	41700	40200	104	101	80.0-120			3.70	15

L999676-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L999676-01 06/07/18 19:54 • (MS) R3316378-5 06/07/18 20:27 • (MSD) R3316378-6 06/07/18 20:43

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	385	5360	5450	99.6	101	1	80.0-120			1.62	15
Sulfate	50000	10900	60900	60400	100	99.0	1	80.0-120			0.817	15

L999755-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L999755-04 06/07/18 23:27 • (MS) R3316378-8 06/08/18 00:00

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate	5000	ND	4950	99.0	1	80.0-120	
Sulfate	50000	ND	49900	99.7	1	80.0-120	

Method Blank (MB)

(MB) R3316938-1 06/11/18 10:50

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

L1000032-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1000032-01 06/11/18 10:53 • (DUP) R3316938-2 06/11/18 12:07

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

L999606-05 Original Sample (OS) • Duplicate (DUP)

(OS) L999606-05 06/11/18 13:21 • (DUP) R3316938-3 06/11/18 13:48

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) R3316938-4 06/11/18 13:52 • (LCSD) R3316938-5 06/11/18 13:56

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	71.5	68.1	105	100	85.0-115			4.96	20

Method Blank (MB)

(MB) R3317283-1 06/12/18 10:57

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

L999694-22 Original Sample (OS) • Duplicate (DUP)

(OS) L999694-22 06/12/18 11:34 • (DUP) R3317283-2 06/12/18 11:58

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

L999885-03 Original Sample (OS) • Duplicate (DUP)

(OS) L999885-03 06/12/18 13:32 • (DUP) R3317283-3 06/12/18 14:07

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	810	771	1	4.98		20

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

(LCS) R3317283-4 06/12/18 14:10 • (LCSD) R3317283-5 06/12/18 14:13

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	67.8	73.4	100	108	85.0-115			7.88	20

Method Blank (MB)

(MB) R3317633-2 06/09/18 04:57

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	*98.8*			*76.0-123*
(S) 4-Bromofluorobenzene	*102*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3317633-1 06/09/18 04:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	23.9	95.4	70.0-130	
1,2-Dichloroethane	25.0	25.3	101	70.0-130	
Ethylbenzene	25.0	25.3	101	70.0-130	
Methyl tert-butyl ether	25.0	24.8	99.1	70.0-130	
Naphthalene	25.0	22.1	88.4	70.0-130	
Toluene	25.0	24.2	96.8	70.0-130	
Xylenes, Total	75.0	75.0	100	70.0-130	
(S) Toluene-d8			*102*	*80.0-120*	
(S) Dibromofluoromethane			*98.0*	*76.0-123*	
(S) 4-Bromofluorobenzene			*103*	*80.0-120*	

Method Blank (MB)

(MB) R3317663-2 06/08/18 22:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
1,2-Dichloroethane	U		0.361	1.00
Ethylbenzene	U		0.384	1.00
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*104*			*80.0-120*
(S) Dibromofluoromethane	*94.7*			*76.0-123*
(S) 4-Bromofluorobenzene	*97.2*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3317663-1 06/08/18 22:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	27.5	110	70.0-130	
1,2-Dichloroethane	25.0	27.0	108	70.0-130	
Ethylbenzene	25.0	29.0	116	70.0-130	
Methyl tert-butyl ether	25.0	27.0	108	70.0-130	
Naphthalene	25.0	22.0	88.2	70.0-130	
Toluene	25.0	27.7	111	70.0-130	
Xylenes, Total	75.0	85.9	115	70.0-130	
(S) Toluene-d8			*101*	*80.0-120*	
(S) Dibromofluoromethane			*98.4*	*76.0-123*	
(S) 4-Bromofluorobenzene			*99.1*	*80.0-120*	

Method Blank (MB)

(MB) R3316703-2 06/09/18 15:19

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) R3316703-2 06/09/18 15:19

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	*104*			*80.0-120*
(S) Dibromofluoromethane	*95.0*			*76.0-123*
(S) a,a,a-Trifluorotoluene	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3316703-1 06/09/18 14:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	136	109	70.0-130	
Benzene	25.0	22.5	89.8	70.0-130	
Bromodichloromethane	25.0	22.9	91.7	70.0-130	
Bromoform	25.0	26.6	106	70.0-130	
Bromomethane	25.0	19.8	79.3	70.0-130	
Carbon disulfide	25.0	23.3	93.3	70.0-130	
Carbon tetrachloride	25.0	25.1	100	70.0-130	
Chlorobenzene	25.0	23.9	95.8	70.0-130	
Chlorodibromomethane	25.0	24.6	98.4	70.0-130	
Chloroethane	25.0	22.8	91.2	70.0-130	
Chloroform	25.0	23.4	93.6	70.0-130	
Chloromethane	25.0	27.6	111	70.0-130	
1,2-Dibromo-3-Chloropropane	25.0	19.5	77.9	70.0-130	
1,2-Dibromoethane	25.0	23.3	93.4	70.0-130	
1,2-Dichlorobenzene	25.0	22.1	88.5	70.0-130	
1,3-Dichlorobenzene	25.0	22.9	91.5	70.0-130	
1,4-Dichlorobenzene	25.0	22.6	90.4	70.0-130	
1,1-Dichloroethane	25.0	23.9	95.5	70.0-130	
1,2-Dichloroethane	25.0	23.4	93.4	70.0-130	
1,1-Dichloroethene	25.0	25.2	101	70.0-130	
cis-1,2-Dichloroethene	25.0	21.7	86.9	70.0-130	
trans-1,2-Dichloroethene	25.0	22.4	89.7	70.0-130	
1,2-Dichloropropane	25.0	24.1	96.3	70.0-130	
cis-1,3-Dichloropropene	25.0	23.1	92.3	70.0-130	
trans-1,3-Dichloropropene	25.0	23.4	93.6	70.0-130	

Laboratory Control Sample (LCS)

(LCS) R3316703-1 06/09/18 14:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Di-isopropyl ether	25.0	26.3	105	70.0-130	
Ethylbenzene	25.0	23.9	95.4	70.0-130	
2-Hexanone	125	129	104	70.0-130	
2-Butanone (MEK)	125	135	108	70.0-130	
Methylene Chloride	25.0	21.1	84.3	70.0-130	
4-Methyl-2-pentanone (MIBK)	125	137	110	70.0-130	
Methyl tert-butyl ether	25.0	23.3	93.2	70.0-130	
Naphthalene	25.0	20.4	81.6	70.0-130	
Styrene	25.0	26.2	105	70.0-130	
1,1,2,2-Tetrachloroethane	25.0	21.4	85.5	70.0-130	
Tetrachloroethene	25.0	24.5	98.0	70.0-130	
Toluene	25.0	23.1	92.4	70.0-130	
1,1,2-Trichlorotrifluoroethane	25.0	25.3	101	70.0-130	
1,1,1-Trichloroethane	25.0	24.6	98.6	70.0-130	
1,1,2-Trichloroethane	25.0	23.5	94.2	70.0-130	
Trichloroethene	25.0	23.7	95.0	70.0-130	
1,2,3-Trimethylbenzene	25.0	22.5	90.0	70.0-130	
Vinyl chloride	25.0	26.3	105	70.0-130	
Xylenes, Total	75.0	71.1	94.8	70.0-130	
(S) Toluene-d8			*101*	*80.0-120*	
(S) Dibromofluoromethane			*96.8*	*76.0-123*	
(S) a,a,a-Trifluorotoluene			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*98.5*	*80.0-120*	

Method Blank (MB)

(MB) R3317867-3 06/13/18 23:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.384	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*101*			*80.0-120*
(S) Dibromofluoromethane	*104*			*76.0-123*
(S) 4-Bromofluorobenzene	*106*			*80.0-120*

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

(LCS) R3317867-1 06/13/18 22:16 • (LCSD) R3317867-2 06/13/18 22:38

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 %
Ethylbenzene	25.0	25.1	24.4	100	97.7	70.0-130			2.75	20
Naphthalene	25.0	23.6	24.4	94.4	97.6	70.0-130			3.40	20
Toluene	25.0	24.0	23.1	96.1	92.5	70.0-130			3.84	20
Xylenes, Total	75.0	77.4	74.5	103	99.3	70.0-130			3.82	20
(S) Toluene-d8				*99.8*	*101*	*80.0-120*				
(S) Dibromofluoromethane				*103*	*103*	*76.0-123*				
(S) 4-Bromofluorobenzene				*105*	*110*	*80.0-120*				

Method Blank (MB)

(MB) R3317869-3 06/13/18 23:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.331	1.00
Toluene	U		0.412	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*101*			*80.0-120*
(S) Dibromofluoromethane	*104*			*76.0-123*
(S) 4-Bromofluorobenzene	*106*			*80.0-120*

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

(LCS) R3317869-1 06/13/18 22:16 • (LCSD) R3317869-2 06/13/18 22:38

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	27.2	25.6	109	102	70.0-130			6.02	20
Toluene	25.0	24.0	23.1	96.1	92.5	70.0-130			3.84	20
Xylenes, Total	75.0	77.4	74.5	103	99.3	70.0-130			3.82	20
(S) Toluene-d8				*99.8*	*101*	*80.0-120*				
(S) Dibromofluoromethane				*103*	*103*	*76.0-123*				
(S) 4-Bromofluorobenzene				*105*	*110*	*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, the sample preparation volume or weight values differ from the standard, 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
J2	Surrogate recovery limits have been exceeded; values are outside lower 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

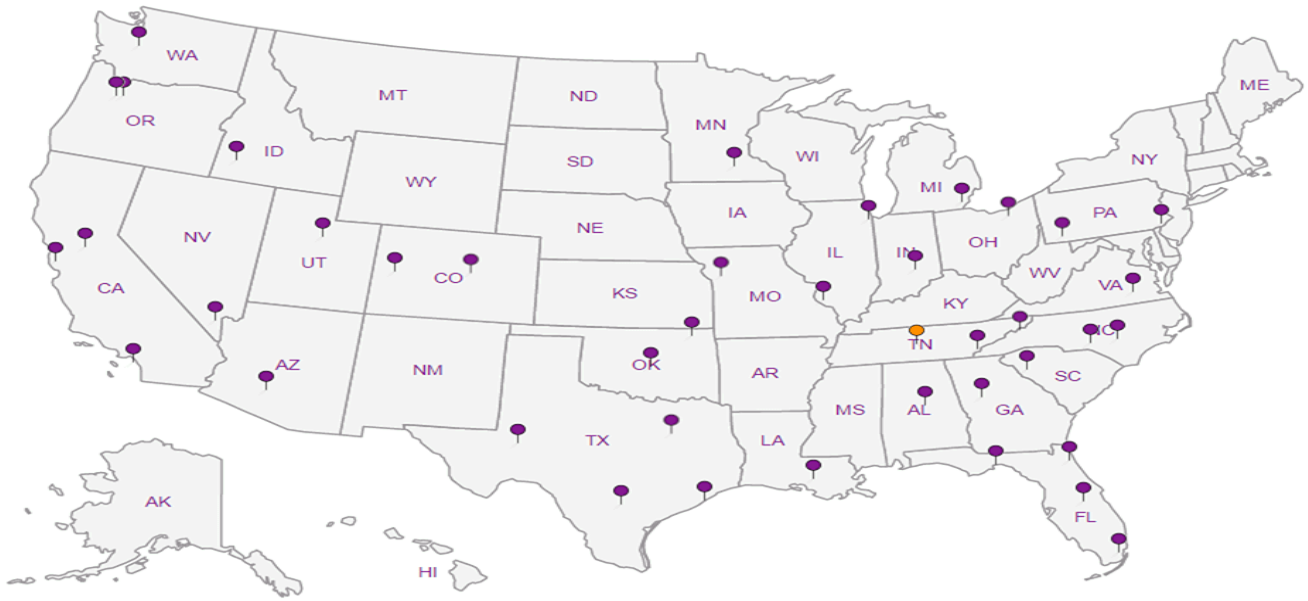
Third Party Federal Accreditations

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.



Kinder Morgan- Atlanta, GA

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

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: SC

Phone: 770-604-9182
Fax:

Client Project # 699858

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): BG / EH

Site/Facility ID # Km-Lewis.DT

P.O. #

Collected by (signature): Bethany Garvey

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

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	V8260TCLSC-TB 40mlAmb-NoPres-Blk	Remarks	Sample # (lab only)
MW-43B-060618	Grab	GW		6.6.18	0755	3				X			-01
MW-43-060618	"	GW		"	0805	3				X			-02
MW-24-060618	"	GW		"	0820	3				X			-03
MW-24B-060618	"	GW		"	0830	3				X			-04
MW-15B-060618	"	GW		"	0900	3				X			-05
MW-14B-060618	"	GW		"	0940	3				X			-06
MW-14-060618	"	GW		"	0950	3				X			-07
MW-13B-060618	"	GW		"	1010	3				X			-08
MW-13-060618	"	GW		"	1020	3				X			-09
MW-47-060618	"	GW		6.6.18	1045	3				X			-10

Chain of Custody Page ___ of ___

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# 999694

Table #

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P655547
TSR: 526 - Chris McCord
PB: 5-30-18

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 # 4380 6874 1158

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
Bethany Garvey	6.6.18	1630		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.2 °C Bottles Received: 12
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/7/18 Time: 845
				Hold: Condition: NCF / OK

Kinder Morgan- Atlanta, GA

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

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: SC

Phone: 770-604-9182
Fax:

Client Project # 699858

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): BG/EH

Site/Facility ID # KM-LewisDr

P.O. #

Collected by (signature): Bethany Garvey
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	V8260TCLSC-TB 40mlAmb-NoPres-Blk	Remarks	Sample # (lab only)
MW-31-060618	Grab	GW		6.6.18	1055	3				X			-11
MW-33T-060618		GW			1107	3				X			-12
MW-48B-060618		GW			1125	3				X			-13
MW-48B-D-060618		GW			1125	3				X			-14
FB02-060618		~~GW~~ WQ			1138	3				X			-15
MW-50B-060618		GW			1313	3				X			-16
MW-32-060618		GW			1345	7	X	X	X	X			-17
MW-10-060618		GW			1405	7	X	X	X	X			-18
MW-08-060618		GW			1440	7	X	X	X	X			-19
MW-38-060618		GW		6.6.18	1500	3				X			-20

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LABS SCIENCES
a subsidiary of Accutest

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

L# 999694

Table #

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P655547
TSR: 526 - Chris McCord
PB: 5-30-18

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 # 4380 6874 1158

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	If preservation required by Login: Date/Time
Bethany Garvey	6.6.18	1630			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4° °C Bottles Received: 124	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/7/18 Time: 845	Hold: / Condition: NCF / OK

Kinder Morgan- Atlanta, GA

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

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: SC

Phone: 770-604-9182
Fax:

Client Project # 699858

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): EH, BG, KS, SM

Site/Facility ID # KM-Lewis Dr.

P.O. #

Collected by (signature): Bethany Garvey

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	V8260TCLSC-TB 40mlAmb-NoPres-Blk	Remarks	Sample # (lab only)
MW-19-060618	Grab	GW		6.6.18	0747	7	/	/	/	/			-21
MW-35-060618		GW			0900	7	/	/	/	/			-22
MW-15-060618		GW			0925	7	/	/	/	/			-23
MW-04-060618		GW			1100	7	/	/	/	/			-24
MW-03-060618		GW			1117	7	/	/	/	/			-25
MW-02-060618		GW			1440	7	/	/	/	/			-26
MW-09-060618		GW			1520	7	/	/	/	/			-27
MW-02B-060618		GW			1510	3				X			-28
MW-09B-060618		GW			1527	3				X			-29
TB02-060618		GW		6.6.18	—	1					X		-30

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

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

pH _____ Temp _____

Flow _____ Other _____

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

Tracking # 4380 6874 1158

Relinquished by : (Signature): Bethany Garvey — Date: 6.6.18 — Time: 1630 — Received by: (Signature)

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

Relinquished by : (Signature) — Date: — Time: — Received for lab by: (Signature) — Date: 6/7/18 — Time: 845

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

Temp: 4.9 °C — Bottles Received: 124

If preservation required by Login: Date/Time

Hold: — Condition: NCF / (OK)

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

Chain of Custody Page ___ of ___

ESC LABORATORIES
a subsidiary of Accutest
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Phone: 800-767-5859
Fax: 615-758-5859

L# 99694

Table #

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P655547
TSR: 526 - Chris McCord
PB: 5-30-18

Shipped Via: FedEx Ground

ANALYTICAL REPORT

June 20, 2018

Kinder Morgan- Atlanta, GA

Sample Delivery Group:	L1000343
Samples Received:	06/08/2018
Project Number:	699858
Description:	Lewis Drive Groundwater
Site:	KM-LEWIS DR
Report To:	Bethany Garvey 6600 Peachtree Dunwoody Road 400 Embassy Row - Suite 600 Atlanta, GA 30328

Entire Report Reviewed By:

Chris McCord
Technical Service Representative

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

TABLE OF CONTENTS

MW-45-060718 L1000343-01 GW

Collected by: BG/EH | Collected date/time: 06/07/18 08:00 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	1	06/11/18 08:35	06/11/18 08:35	RAS

MW-45B-060718 L1000343-02 GW

Collected by: BG/EH | Collected date/time: 06/07/18 08:10 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	1	06/11/18 08:57	06/11/18 08:57	RAS

MW-21-060718 L1000343-03 GW

Collected by: BG/EH | Collected date/time: 06/07/18 08:20 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	1	06/11/18 09:19	06/11/18 09:19	RAS

MW-17B-060718 L1000343-04 GW

Collected by: BG/EH | Collected date/time: 06/07/18 08:35 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	20	06/11/18 09:40	06/11/18 09:40	RAS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124866	500	06/15/18 00:48	06/15/18 00:48	LRL

MW-17B-D-060718 L1000343-05 GW

Collected by: BG/EH | Collected date/time: 06/07/18 08:35 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	20	06/11/18 10:02	06/11/18 10:02	RAS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124866	500	06/15/18 01:08	06/15/18 01:08	LRL

FB03-060718 L1000343-06 GW

Collected by: BG/EH | Collected date/time: 06/07/18 08:55 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	1	06/11/18 10:23	06/11/18 10:23	RAS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124866	1	06/15/18 01:28	06/15/18 01:28	LRL

MW-05-060718 L1000343-07 GW

Collected by: BG/EH | Collected date/time: 06/07/18 09:10 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	1	06/11/18 10:44	06/11/18 10:44	RAS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124866	1	06/15/18 01:48	06/15/18 01:48	LRL

MW-06-060718 L1000343-08 GW

Collected by: BG/EH | Collected date/time: 06/07/18 09:20 | Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	1	06/11/18 11:06	06/11/18 11:06	RAS

MW-06B-060718 L1000343-09 GW

Collected by: BG/EH
Collected date/time: 06/07/18 09:30
Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	1	06/11/18 11:28	06/11/18 11:28	RAS

MW-36-060718 L1000343-10 GW

Collected by: BG/EH
Collected date/time: 06/07/18 10:15
Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122619	1	06/11/18 11:50	06/11/18 11:50	RAS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1124866	10	06/15/18 02:08	06/15/18 02:08	LRL

MW-36B-060718 L1000343-26 GW

Collected by: BG/EH
Collected date/time: 06/07/18 10:25
Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122609	1	06/11/18 04:16	06/11/18 04:16	DWR

TB03-060718 L1000343-27 GW

Collected by: BG/EH
Collected date/time: 06/07/18 00:00
Received date/time: 06/08/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1122609	1	06/10/18 22:09	06/10/18 22:09	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.

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	06/11/2018 08:35	WG1122619
Toluene	ND		1.00	1	06/11/2018 08:35	WG1122619
Ethylbenzene	ND		1.00	1	06/11/2018 08:35	WG1122619
Total Xylenes	ND		3.00	1	06/11/2018 08:35	WG1122619
Methyl tert-butyl ether	ND		1.00	1	06/11/2018 08:35	WG1122619
Naphthalene	ND		5.00	1	06/11/2018 08:35	WG1122619
1,2-Dichloroethane	ND		1.00	1	06/11/2018 08:35	WG1122619
(S) Toluene-d8	*102*		*80.0-120*		*06/11/2018 08:35*	WG1122619
(S) Dibromofluoromethane	*101*		*76.0-123*		*06/11/2018 08:35*	WG1122619
(S) 4-Bromofluorobenzene	*103*		*80.0-120*		*06/11/2018 08:35*	WG1122619

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	06/11/2018 08:57	WG1122619
Toluene	1.94		1.00	1	06/11/2018 08:57	WG1122619
Ethylbenzene	ND		1.00	1	06/11/2018 08:57	WG1122619
Total Xylenes	ND		3.00	1	06/11/2018 08:57	WG1122619
Methyl tert-butyl ether	ND		1.00	1	06/11/2018 08:57	WG1122619
Naphthalene	ND		5.00	1	06/11/2018 08:57	WG1122619
1,2-Dichloroethane	ND		1.00	1	06/11/2018 08:57	WG1122619
(S) Toluene-d8	*102*		*80.0-120*		*06/11/2018 08:57*	WG1122619
(S) Dibromofluoromethane	*101*		*76.0-123*		*06/11/2018 08:57*	WG1122619
(S) 4-Bromofluorobenzene	*104*		*80.0-120*		*06/11/2018 08:57*	WG1122619

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	06/11/2018 09:19	WG1122619
Toluene	ND		1.00	1	06/11/2018 09:19	WG1122619
Ethylbenzene	ND		1.00	1	06/11/2018 09:19	WG1122619
Total Xylenes	ND		3.00	1	06/11/2018 09:19	WG1122619
Methyl tert-butyl ether	ND		1.00	1	06/11/2018 09:19	WG1122619
Naphthalene	ND		5.00	1	06/11/2018 09:19	WG1122619
1,2-Dichloroethane	ND		1.00	1	06/11/2018 09:19	WG1122619
(S) Toluene-d8	*103*		*80.0-120*		*06/11/2018 09:19*	WG1122619
(S) Dibromofluoromethane	*99.2*		*76.0-123*		*06/11/2018 09:19*	WG1122619
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*06/11/2018 09:19*	WG1122619

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	8910		500	500	06/15/2018 00:48	WG1124866
Toluene	20200		500	500	06/15/2018 00:48	WG1124866
Ethylbenzene	1250		20.0	20	06/11/2018 09:40	WG1122619
Total Xylenes	9130		60.0	20	06/11/2018 09:40	WG1122619
Methyl tert-butyl ether	1230		20.0	20	06/11/2018 09:40	WG1122619
Naphthalene	206		100	20	06/11/2018 09:40	WG1122619
1,2-Dichloroethane	ND		20.0	20	06/11/2018 09:40	WG1122619
(S) Toluene-d8	*108*		*80.0-120*		*06/11/2018 09:40*	WG1122619
(S) Toluene-d8	*101*		*80.0-120*		*06/15/2018 00:48*	WG1124866
(S) Dibromofluoromethane	*97.2*		*76.0-123*		*06/11/2018 09:40*	WG1122619
(S) Dibromofluoromethane	*98.6*		*76.0-123*		*06/15/2018 00:48*	WG1124866
(S) 4-Bromofluorobenzene	*102*		*80.0-120*		*06/11/2018 09:40*	WG1122619
(S) 4-Bromofluorobenzene	*99.4*		*80.0-120*		*06/15/2018 00:48*	WG1124866

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	9630		500	500	06/15/2018 01:08	WG1124866
Toluene	21000		500	500	06/15/2018 01:08	WG1124866
Ethylbenzene	1200		20.0	20	06/11/2018 10:02	WG1122619
Total Xylenes	8850		60.0	20	06/11/2018 10:02	WG1122619
Methyl tert-butyl ether	1230		20.0	20	06/11/2018 10:02	WG1122619
Naphthalene	223		100	20	06/11/2018 10:02	WG1122619
1,2-Dichloroethane	ND		20.0	20	06/11/2018 10:02	WG1122619
(S) Toluene-d8	*108*		*80.0-120*		*06/11/2018 10:02*	WG1122619
(S) Toluene-d8	*100*		*80.0-120*		*06/15/2018 01:08*	WG1124866
(S) Dibromofluoromethane	*95.6*		*76.0-123*		*06/11/2018 10:02*	WG1122619
(S) Dibromofluoromethane	*97.6*		*76.0-123*		*06/15/2018 01:08*	WG1124866
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*06/11/2018 10:02*	WG1122619
(S) 4-Bromofluorobenzene	*100*		*80.0-120*		*06/15/2018 01:08*	WG1124866

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	06/15/2018 01:28	WG1124866
Toluene	ND		1.00	1	06/15/2018 01:28	WG1124866
Ethylbenzene	ND		1.00	1	06/11/2018 10:23	WG1122619
Total Xylenes	ND		3.00	1	06/11/2018 10:23	WG1122619
Methyl tert-butyl ether	ND		1.00	1	06/11/2018 10:23	WG1122619
Naphthalene	ND		5.00	1	06/11/2018 10:23	WG1122619
1,2-Dichloroethane	ND		1.00	1	06/11/2018 10:23	WG1122619
(S) Toluene-d8	*103*		*80.0-120*		*06/11/2018 10:23*	WG1122619
(S) Toluene-d8	*102*		*80.0-120*		*06/15/2018 01:28*	WG1124866
(S) Dibromofluoromethane	*99.8*		*76.0-123*		*06/11/2018 10:23*	WG1122619
(S) Dibromofluoromethane	*98.3*		*76.0-123*		*06/15/2018 01:28*	WG1124866
(S) 4-Bromofluorobenzene	*104*		*80.0-120*		*06/11/2018 10:23*	WG1122619
(S) 4-Bromofluorobenzene	*99.9*		*80.0-120*		*06/15/2018 01:28*	WG1124866

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	06/11/2018 10:44	WG1122619
Toluene	ND		1.00	1	06/15/2018 01:48	WG1124866
Ethylbenzene	ND		1.00	1	06/11/2018 10:44	WG1122619
Total Xylenes	ND		3.00	1	06/11/2018 10:44	WG1122619
Methyl tert-butyl ether	ND		1.00	1	06/11/2018 10:44	WG1122619
Naphthalene	ND		5.00	1	06/11/2018 10:44	WG1122619
1,2-Dichloroethane	ND		1.00	1	06/11/2018 10:44	WG1122619
(S) Toluene-d8	*103*		*80.0-120*		*06/11/2018 10:44*	WG1122619
(S) Toluene-d8	*98.2*		*80.0-120*		*06/15/2018 01:48*	WG1124866
(S) Dibromofluoromethane	*101*		*76.0-123*		*06/11/2018 10:44*	WG1122619
(S) Dibromofluoromethane	*97.7*		*76.0-123*		*06/15/2018 01:48*	WG1124866
(S) 4-Bromofluorobenzene	*103*		*80.0-120*		*06/11/2018 10:44*	WG1122619
(S) 4-Bromofluorobenzene	*104*		*80.0-120*		*06/15/2018 01:48*	WG1124866

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	06/11/2018 11:06	WG1122619
Toluene	ND		1.00	1	06/11/2018 11:06	WG1122619
Ethylbenzene	ND		1.00	1	06/11/2018 11:06	WG1122619
Total Xylenes	ND		3.00	1	06/11/2018 11:06	WG1122619
Methyl tert-butyl ether	ND		1.00	1	06/11/2018 11:06	WG1122619
Naphthalene	ND		5.00	1	06/11/2018 11:06	WG1122619
1,2-Dichloroethane	ND		1.00	1	06/11/2018 11:06	WG1122619
(S) Toluene-d8	*104*		*80.0-120*		*06/11/2018 11:06*	WG1122619
(S) Dibromofluoromethane	*96.0*		*76.0-123*		*06/11/2018 11:06*	WG1122619
(S) 4-Bromofluorobenzene	*104*		*80.0-120*		*06/11/2018 11:06*	WG1122619

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	06/11/2018 11:28	WG1122619
Toluene	4.69		1.00	1	06/11/2018 11:28	WG1122619
Ethylbenzene	ND		1.00	1	06/11/2018 11:28	WG1122619
Total Xylenes	ND		3.00	1	06/11/2018 11:28	WG1122619
Methyl tert-butyl ether	ND		1.00	1	06/11/2018 11:28	WG1122619
Naphthalene	ND		5.00	1	06/11/2018 11:28	WG1122619
1,2-Dichloroethane	ND		1.00	1	06/11/2018 11:28	WG1122619
(S) Toluene-d8	*104*		*80.0-120*		*06/11/2018 11:28*	WG1122619
(S) Dibromofluoromethane	*97.7*		*76.0-123*		*06/11/2018 11:28*	WG1122619
(S) 4-Bromofluorobenzene	*104*		*80.0-120*		*06/11/2018 11:28*	WG1122619

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	184		10.0	10	06/15/2018 02:08	WG1124866
Toluene	208		10.0	10	06/15/2018 02:08	WG1124866
Ethylbenzene	ND		1.00	1	06/11/2018 11:50	WG1122619
Total Xylenes	134		3.00	1	06/11/2018 11:50	WG1122619
Methyl tert-butyl ether	2.06		1.00	1	06/11/2018 11:50	WG1122619
Naphthalene	ND		5.00	1	06/11/2018 11:50	WG1122619
1,2-Dichloroethane	ND		1.00	1	06/11/2018 11:50	WG1122619
(S) Toluene-d8	*101*		*80.0-120*		*06/11/2018 11:50*	WG1122619
(S) Toluene-d8	*100*		*80.0-120*		*06/15/2018 02:08*	WG1124866
(S) Dibromofluoromethane	*94.8*		*76.0-123*		*06/11/2018 11:50*	WG1122619
(S) Dibromofluoromethane	*98.7*		*76.0-123*		*06/15/2018 02:08*	WG1124866
(S) 4-Bromofluorobenzene	*104*		*80.0-120*		*06/11/2018 11:50*	WG1122619
(S) 4-Bromofluorobenzene	*101*		*80.0-120*		*06/15/2018 02:08*	WG1124866

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	06/11/2018 04:16	WG1122609
Toluene	ND		1.00	1	06/11/2018 04:16	WG1122609
Ethylbenzene	ND		1.00	1	06/11/2018 04:16	WG1122609
Total Xylenes	ND		3.00	1	06/11/2018 04:16	WG1122609
Methyl tert-butyl ether	ND		1.00	1	06/11/2018 04:16	WG1122609
Naphthalene	ND		5.00	1	06/11/2018 04:16	WG1122609
1,2-Dichloroethane	ND		1.00	1	06/11/2018 04:16	WG1122609
(S) Toluene-d8	*103*		*80.0-120*		*06/11/2018 04:16*	WG1122609
(S) Dibromofluoromethane	*103*		*76.0-123*		*06/11/2018 04:16*	WG1122609
(S) 4-Bromofluorobenzene	*112*		*80.0-120*		*06/11/2018 04:16*	WG1122609

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J4	50.0	1	06/10/2018 22:09	WG1122609
Benzene	ND		1.00	1	06/10/2018 22:09	WG1122609
Bromodichloromethane	ND		1.00	1	06/10/2018 22:09	WG1122609
Bromoform	ND		1.00	1	06/10/2018 22:09	WG1122609
Bromomethane	ND		5.00	1	06/10/2018 22:09	WG1122609
Carbon disulfide	ND		1.00	1	06/10/2018 22:09	WG1122609
Carbon tetrachloride	ND		1.00	1	06/10/2018 22:09	WG1122609
Chlorobenzene	ND		1.00	1	06/10/2018 22:09	WG1122609
Chlorodibromomethane	ND		1.00	1	06/10/2018 22:09	WG1122609
Chloroethane	ND		5.00	1	06/10/2018 22:09	WG1122609
Chloroform	ND		5.00	1	06/10/2018 22:09	WG1122609
Chloromethane	ND		2.50	1	06/10/2018 22:09	WG1122609
1,2-Dibromo-3-Chloropropane	ND		5.00	1	06/10/2018 22:09	WG1122609
1,2-Dibromoethane	ND		1.00	1	06/10/2018 22:09	WG1122609
1,2-Dichlorobenzene	ND		1.00	1	06/10/2018 22:09	WG1122609
1,3-Dichlorobenzene	ND		1.00	1	06/10/2018 22:09	WG1122609
1,4-Dichlorobenzene	ND		1.00	1	06/10/2018 22:09	WG1122609
1,1-Dichloroethane	ND		1.00	1	06/10/2018 22:09	WG1122609
1,2-Dichloroethane	ND		1.00	1	06/10/2018 22:09	WG1122609
1,1-Dichloroethene	ND		1.00	1	06/10/2018 22:09	WG1122609
cis-1,2-Dichloroethene	ND		1.00	1	06/10/2018 22:09	WG1122609
trans-1,2-Dichloroethene	ND	J3	1.00	1	06/10/2018 22:09	WG1122609
1,2-Dichloropropane	ND		1.00	1	06/10/2018 22:09	WG1122609
cis-1,3-Dichloropropene	ND		1.00	1	06/10/2018 22:09	WG1122609
trans-1,3-Dichloropropene	ND		1.00	1	06/10/2018 22:09	WG1122609
Di-isopropyl ether	ND		1.00	1	06/10/2018 22:09	WG1122609
Ethylbenzene	ND		1.00	1	06/10/2018 22:09	WG1122609
2-Butanone (MEK)	ND		10.0	1	06/10/2018 22:09	WG1122609
2-Hexanone	ND		10.0	1	06/10/2018 22:09	WG1122609
Methylene Chloride	ND		5.00	1	06/10/2018 22:09	WG1122609
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	06/10/2018 22:09	WG1122609
Methyl tert-butyl ether	ND		1.00	1	06/10/2018 22:09	WG1122609
Naphthalene	ND		5.00	1	06/10/2018 22:09	WG1122609
Styrene	ND		1.00	1	06/10/2018 22:09	WG1122609
1,1,2,2-Tetrachloroethane	ND		1.00	1	06/10/2018 22:09	WG1122609
Tetrachloroethene	ND		1.00	1	06/10/2018 22:09	WG1122609
Toluene	ND		1.00	1	06/10/2018 22:09	WG1122609
1,1,1-Trichloroethane	ND		1.00	1	06/10/2018 22:09	WG1122609
1,1,2-Trichloroethane	ND		1.00	1	06/10/2018 22:09	WG1122609
Trichloroethene	ND		1.00	1	06/10/2018 22:09	WG1122609
Vinyl chloride	ND		1.00	1	06/10/2018 22:09	WG1122609
Xylenes, Total	ND		3.00	1	06/10/2018 22:09	WG1122609
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	06/10/2018 22:09	WG1122609
1,2,3-Trimethylbenzene	ND		1.00	1	06/10/2018 22:09	WG1122609
(S) Toluene-d8	*98.5*		*80.0-120*		*06/10/2018 22:09*	WG1122609
(S) Dibromofluoromethane	*100*		*76.0-123*		*06/10/2018 22:09*	WG1122609
(S) a,a,a-Trifluorotoluene	*97.6*		*80.0-120*		*06/10/2018 22:09*	WG1122609
(S) 4-Bromofluorobenzene	*108*		*80.0-120*		*06/10/2018 22:09*	WG1122609

Method Blank (MB)

(MB) R3316983-3 06/10/18 19:43

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	0.276	J	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) R3316983-3 06/10/18 19:43

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	*100*			*80.0-120*
(S) Dibromofluoromethane	*101*			*76.0-123*
(S) a,a,a-Trifluorotoluene	*100*			*80.0-120*
(S) 4-Bromofluorobenzene	*111*			*80.0-120*

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

(LCS) R3316983-1 06/10/18 18:43 • (LCSD) R3316983-4 06/10/18 20:07

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	240	198	192	158	70.0-130	J4	J4	18.9	23.9
Benzene	25.0	25.9	25.6	104	102	70.0-130			1.35	20
Bromodichloromethane	25.0	24.0	22.8	95.8	91.3	70.0-130			4.90	20
Bromoform	25.0	20.9	22.3	83.8	89.3	70.0-130			6.36	20
Bromomethane	25.0	24.4	24.6	97.6	98.4	70.0-130			0.775	20
Carbon disulfide	25.0	27.8	28.0	111	112	70.0-130			0.546	20
Carbon tetrachloride	25.0	20.8	20.9	83.2	83.7	70.0-130			0.533	20
Chlorobenzene	25.0	22.8	21.1	91.4	84.3	70.0-130			8.06	20
Chlorodibromomethane	25.0	20.8	19.3	83.1	77.4	70.0-130			7.11	20
Chloroethane	25.0	26.2	26.2	105	105	70.0-130			0.0308	20
Chloroform	25.0	23.3	22.3	93.3	89.2	70.0-130			4.51	20
Chloromethane	25.0	26.8	26.9	107	107	70.0-130			0.114	20
1,2-Dibromo-3-Chloropropane	25.0	21.4	21.2	85.7	84.8	70.0-130			1.01	20
1,2-Dibromoethane	25.0	22.0	20.8	87.9	83.1	70.0-130			5.53	20
1,2-Dichlorobenzene	25.0	23.9	23.7	95.5	94.8	70.0-130			0.707	20
1,3-Dichlorobenzene	25.0	24.2	22.9	96.7	91.5	70.0-130			5.47	20
1,4-Dichlorobenzene	25.0	22.5	20.9	90.2	83.7	70.0-130			7.43	20
1,1-Dichloroethane	25.0	24.0	23.9	95.9	95.8	70.0-130			0.161	20
1,2-Dichloroethane	25.0	24.9	24.1	99.5	96.5	70.0-130			3.00	20
1,1-Dichloroethene	25.0	26.1	26.1	104	104	70.0-130			0.195	20
cis-1,2-Dichloroethene	25.0	22.4	22.4	89.6	89.8	70.0-130			0.260	20
trans-1,2-Dichloroethene	25.0	27.8	21.5	111	86.0	70.0-130		J3	25.5	20
1,2-Dichloropropane	25.0	28.9	27.7	115	111	70.0-130			4.18	20
cis-1,3-Dichloropropene	25.0	22.4	21.2	89.5	85.0	70.0-130			5.17	20
trans-1,3-Dichloropropene	25.0	23.9	22.6	95.6	90.5	70.0-130			5.55	20

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

(LCS) R3316983-1 06/10/18 18:43 • (LCSD) R3316983-4 06/10/18 20:07

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	25.8	25.4	103	102	70.0-130			1.35	20
Ethylbenzene	25.0	22.1	20.4	88.6	81.7	70.0-130			8.04	20
2-Hexanone	125	126	125	101	99.9	70.0-130			0.807	20
2-Butanone (MEK)	125	139	150	111	120	70.0-130			7.71	20
Methylene Chloride	25.0	30.9	29.9	124	120	70.0-130			3.35	20
4-Methyl-2-pentanone (MIBK)	125	130	126	104	101	70.0-130			2.63	20
Methyl tert-butyl ether	25.0	22.9	21.4	91.5	85.8	70.0-130			6.44	20
Naphthalene	25.0	25.5	22.1	102	88.2	70.0-130			14.6	20
Styrene	25.0	23.4	23.8	93.6	95.2	70.0-130			1.76	20
1,1,2,2-Tetrachloroethane	25.0	22.9	23.9	91.8	95.7	70.0-130			4.17	20
Tetrachloroethene	25.0	22.4	20.6	89.5	82.6	70.0-130			8.00	20
Toluene	25.0	23.7	22.9	94.9	91.6	70.0-130			3.54	20
1,1,2-Trichlorotrifluoroethane	25.0	25.8	26.0	103	104	70.0-130			0.910	20
1,1,1-Trichloroethane	25.0	22.0	21.9	88.0	87.5	70.0-130			0.551	20
1,1,2-Trichloroethane	25.0	23.4	21.4	93.7	85.5	70.0-130			9.11	20
Trichloroethene	25.0	22.9	21.6	91.5	86.5	70.0-130			5.71	20
1,2,3-Trimethylbenzene	25.0	23.4	22.0	93.6	87.9	70.0-130			6.20	20
Vinyl chloride	25.0	23.4	23.5	93.5	94.0	70.0-130			0.503	20
Xylenes, Total	75.0	69.6	64.8	92.8	86.4	70.0-130			7.14	20
(S) Toluene-d8				*101*	*99.3*	*80.0-120*				
(S) Dibromofluoromethane				*95.6*	*99.9*	*76.0-123*				
(S) a,a,a-Trifluorotoluene				*96.1*	*93.5*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*105*	*80.0-120*				

Method Blank (MB)

(MB) R3318032-3 06/11/18 08:14

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	*103*			*80.0-120*
(S) Dibromofluoromethane	*99.6*			*76.0-123*
(S) 4-Bromofluorobenzene	*103*			*80.0-120*

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

(LCS) R3318032-1 06/11/18 06:47 • (LCSD) R3318032-2 06/11/18 07:09

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	26.0	25.3	104	101	70.0-130			2.59	20
1,2-Dichloroethane	25.0	24.5	23.7	98.1	94.7	70.0-130			3.51	20
Ethylbenzene	25.0	26.4	25.6	106	102	70.0-130			2.97	20
Methyl tert-butyl ether	25.0	26.3	25.5	105	102	70.0-130			3.05	20
Naphthalene	25.0	24.8	23.6	99.1	94.3	70.0-130			5.00	20
Toluene	25.0	24.9	24.2	99.5	96.9	70.0-130			2.62	20
Xylenes, Total	75.0	80.5	77.9	107	104	70.0-130			3.28	20
(S) Toluene-d8				*102*	*103*	*80.0-120*				
(S) Dibromofluoromethane				*98.6*	*99.2*	*76.0-123*				
(S) 4-Bromofluorobenzene				*102*	*105*	*80.0-120*				

Method Blank (MB)

(MB) R3318198-3 06/14/18 22:10

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Benzene	U		0.331	1.00
Toluene	U		0.412	1.00
(S) Toluene-d8	*99.2*			*80.0-120*
(S) Dibromofluoromethane	*98.2*			*76.0-123*
(S) 4-Bromofluorobenzene	*101*			*80.0-120*

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

(LCS) R3318198-1 06/14/18 21:10 • (LCSD) R3318198-2 06/14/18 21:30

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	%	%	%			%	%
Benzene	25.0	23.1	23.8	92.3	95.2	70.0-130			3.12	20
Toluene	25.0	23.8	24.1	95.0	96.5	70.0-130			1.57	20
(S) Toluene-d8				*99.7*	*100*	*80.0-120*				
(S) Dibromofluoromethane				*97.9*	*96.1*	*76.0-123*				
(S) 4-Bromofluorobenzene				*103*	*102*	*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, the sample preparation volume or weight values differ from the standard, 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
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

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

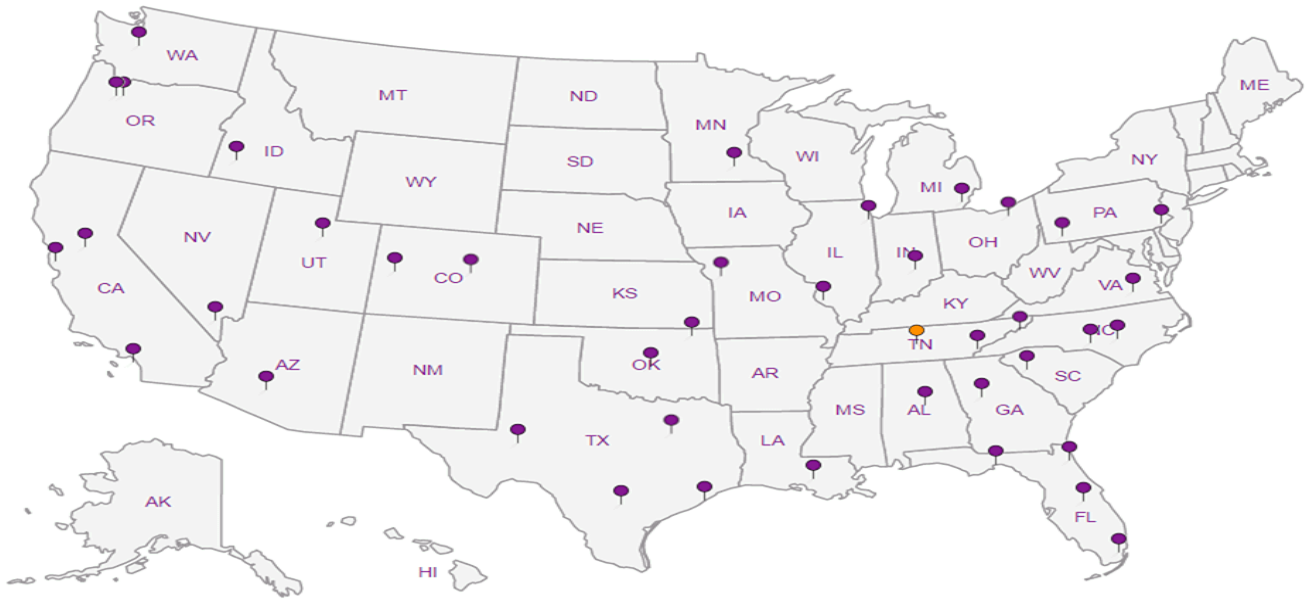
Third Party Federal Accreditations

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.



Kinder Morgan- Atlanta, GA

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

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: SC

Phone: 770-604-9182
Fax:

Client Project # 699858

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): BG/EH

Site/Facility ID # KM-Lewis Dr

P.O. #

Collected by (signature): Bethany Garvey

Immediately Packed on Ice N ___ Y X

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

Date Results Needed

Quote #

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	*NITRATE,SULFATE* 125mlHDPE-NoPres	ALK,CO2 125mlHDPE-NoPres	RSK175 40mlAmb HCl	V8260BTEXMNSC 40mlAmb-HCl	V8260TCLSC-TB 40mlAmb-NoPres-Blk	Remarks	Sample # (lab only)
MW-45-060718	Grab	GW		6-7-18	0800	3			X			-01
MW-45B-060718		GW			0810	3			X			-02
MW-21-060718		GW			0820	3			X			-03
MW-17B-060718		GW			0835	3			X			-04
MW-17B-D-060718		GW			0835	3			X			-05
FB03-060718		GW			0855	3			X			-06
MW-25-060718		GW			0910	3			X			-07
MW-06-060718		GW			0920	3			X			-08
MW-06B-060718		GW			0930	3			X			-09
MW-36-060718		GW		6-7-18	1015	3			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 # 4380 6874 1169

Chain of Custody Page ___ of ___

ESC LAB 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# L1000343

D030

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P655547
TSR: 526 - Chris McCord
PB: 5-30-18
Shipped Via: FedEx Ground

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Bethany Garvey	6-7-18	1700			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.8°C Bottles Received: 78	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/8/18 Time: 0845	Hold: Condition: NCF / OK

Kinder Morgan- Atlanta, GA

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

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: SC

Phone: 770-604-9182
Fax:

Client Project # 699858

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): JM / KS

Site/Facility ID # KM-LewisDr

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

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	*NITRATE,SULFATE* 125mlHDPE-NoPres	ALK,CO2 125mlHDPE-NoPres	RSK175 40mlAmb HCl	V8260BTEXMNSC 40mlAmb-HCl	V8260TCLSC-TB 40mlAmb-NoPres-Blk	Remarks	Sample # (lab only)
SW-11-060718	Grab	~~GW~~ SW		6.7.18	0830							-11
SW-12-060718		~~GW~~ SW			0845							-12
FP-01-060718		SW			0855							-13
FP-02-060718					0905							-14
SW-09-060718					0915							-15
SW-08-060718					0920							-16
SW-13-060718					0925							-17
FP-03-060718					1020							-18
SW-01-060718					1105							-19
SW-07-060718		SW		6.7.18	1115							-20

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

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

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 4380 6874 1149

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Bethany Garvey	6.7.18	1700	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Kam O

Trip Blank Received: Yes / No
HCl / MeoH
TBR

Temp: 0.1 °C Bottles Received: 78

Date: 6/8/18 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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

Chain of Custody Page ___ of ___

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# L000343

Table #

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P655547
TSR: 526 - Chris McCord
PB: 5-30-18

Shipped Via: FedEx Ground

Kinder Morgan- Atlanta, GA

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

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: SC

Phone: 770-604-9182
Fax:

Client Project # 699858

Lab Project # KINCH2MGA-LEWIS12

Collected by (print): JM/KS

Site/Facility ID # KM-Lewis Dr

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

Date Results Needed

Quote #

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	V8260TCLSC-TB 40mlAmb-NoPres-Blk	Remarks	Sample # (lab only)
SW-12-060718	Grab	SW GW		6.7.18	1045								-21
SW-03-060718		GW			1055								-22
SW-02-060718		SW			1125								-23
SW-04-060718		SW			1135								-24
SW-14-060718		SW		6.7.18	1150								-25

Chain of Custody Page ___ of ___

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# L000743

Table #

Acctnum: KINCH2MGA
Template: T130277
Prelogin: P655547
TSR: 526 - Chris McCord
PB: 5-30-18

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 # 4360 6874 1169

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
Bethany Garvey	6.7.18	1700		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.83 °C Bottles Received: 18
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/8/18 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:	Billing Information:
See previous COC	See previous COC
Report to: Bethany Garvey	Email To:

Project Description: Lewis Dr. /GW Sampling	City/State Collected: SC
Phone: 770-604-9182 Fax:	Client Project # 699858
Lab Project # KINCH2MGA-LEWIS12	
Collected by (print): BG/SX	Site/Facility ID # KM-Lewis Dr.
P.O. #	
Collected by (signature): Bethany Garvey Immediately Packed on Ice N ___ Y X	**Rush?** (Lab MUST Be Notified) ___ Same Day ....200% ___ Next Day ....100% ___ Two Day ....50% ___ Three Day 25%
Date Results Needed	
Email? ___No ___Yes FAX? ___No ___Yes	

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8260B/BTEXMNSC	8260B/TCL SC - TB									Rem./Contaminant	Sample # (lab only)
MW-36B-060718	Grab	GW		6-7-18	1025	3	X											-26
TB#3-060718	Grab	WQ		6-7-18	—	1		X										-27

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LAB SCIENCES

YOUR LAB OF CHOICE

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

L# L100443

Table #

Acctnum:

Template:

Prelogin:

TSR:

PB:

Shipped Via:

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other ___

Remarks:

pH ___ Temp ___

Flow ___ Other ___

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Bethany Garvey	6-7-18	1700	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

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

Temp: 0.8 °C Bottles Received: 18

Date: 6/8/18 Time: 0845

Condition: (lab use only)

COC Seal Intact: ___Y ___N ___NA

pH Checked: NCF: