20395

TRC

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March 20, 2019

Ms. Kimberly M. Kuhn
Project Manager
South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management
2600 Bull Street
Columbia, SC 29201

Subject: Expanded ABC+ Pilot Study Baseline Monitoring Results
WestPoint Home, Clemson, SC Site
File #20395

Dear Kimberly:

Baseline groundwater sampling was conducted between January 16 and February 14, 2019. The data have been received from the various analytical laboratories and validated. This letter transmits the following:

- Data point location map (Figure 1)
- Summary tables of the baseline results (Tables 1 and 2)
- Water table and potentiometric surface maps (water table, intermediate zone, transition zone, and bedrock) (Figures 2 – 5)
- Tetrachloroethene isoconcentration maps (water table, intermediate zone, transition zone, and bedrock) (Figures 6 – 9)

During our sampling work, we were pleased to observe there was still ongoing evidence of ERD activity, nearly 2 years after the 2016 pilot study was concluded. These data can be found in the summary tables compiling the newly available baseline analytical results.

Looking forward, we are now planning implementation of the ABC+® injection and subsequent performance monitoring events. We anticipate initiating the expanded ABC+® pilot study injections beginning around mid-May 2019. Subsequent to the ABC+® treatment event, quarterly performance monitoring will begin that addresses key field indicator parameters and laboratory analytes that will be monitored to track and assess the progress of the ABC+® treatments.

For the first quarterly monitoring event, we anticipate sampling our performance wells for:

- pH
- Specific conductance
- Temperature
- Turbidity
- Dissolved ferrous iron
- Oxidation-reduction potential
- Dissolved oxygen
- Bromide

There are several laboratory indicator parameters listed in the workplan including: chloride, nitrate, and sulfate. Nitrate and sulfate were included to evaluate if any of these inorganics might play a role in secondary ERD treatment pathways. Chloride was added as it is sometimes a useful indicator of ERD activity.

The data provided in Table 1 demonstrates that ERD is still occurring at the site and that earlier concerns expressed by the Department over the possibility of nitrate/sulfate competition to the ERD processes in the groundwater do not appear to be warranted. During the baseline sampling event, TRC documented the widespread presence of reduced iron and dissolved gases (i.e. methane, ethane, and ethene). These are all useful lines of evidence that ERD is still occurring. Based on the rate at which groundwater is migrating across the site, we believe that it would be more appropriate to delay further analysis of chloride, nitrate and sulfate until the semiannual monitoring event. This delay would permit additional time for the ABC+® treated groundwater to migrate further into the aquifer and facilitate a more detailed assessment and evaluation of these secondary inorganics. Following the semiannual sampling event, TRC will provide the Department with additional details and recommendations as to whether further analysis of chloride, nitrate, and sulfate is warranted.

During our review of the baseline sampling data, we also turned our attention to the current configuration of the VOC plume areas and whether replacing monitoring well MW-09 was warranted. You should recall that this well was recently destroyed by ongoing site construction activity. The question before us is whether MW-09 is relevant to definition of the VOC plume and the pending pilot study. TRC's review of the site data suggests that MW-09 is located in a cross-gradient direction from the migration of the VOC plume and will not provide useful data or information during the expanded ABC+® pilot study. In view of this, WPH requests the Department delay any further consideration of replacing MW-09 until the expanded ABC+® pilot study has been completed. Our basis for this request is that the scope of the expanded ABC+® pilot study will soon include introduction of a bromide tracer into the site groundwater at select locations. This groundwater tracer will allow us to develop a better understanding of groundwater flow paths across the site. Based on the findings and observations derived from the pilot study, we expect to have a much better sense and understanding of whether additional permanent monitoring wells are needed for the targeted treatment area.

The first quarterly performance monitoring event is planned to occur approximately three months after the ABC+® treatment injections have been completed. Based on this schedule, we would anticipate transmitting the first quarterly performance report to you by mid-late November 2019. As we progress with the pilot study, we invite you to visit the site and learn more about the challenges that we are facing. There is great value spending time on-site and exchanging information and asking questions. Similarly, we would encourage periodic conference calls that could be utilized to brief you and Lucas Berresford with our progress and discuss project-related issues and/or concerns.

If there are any immediate questions or concerns, please feel free to contact me at (864) 420-8577.

Sincerely,

TRC Environmental Corporation

Lisa M. Clark, P.G.

Attachments

cc: Eddie Lanier, WestPoint Home
Dr. Steve Webb, TRC

Ms. Kimberly M. Kuhn
South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management
March 20, 2019

Attachment 1
Figures

TRC

RMW-25
RMW-04
RMW-29
RMW-03
RMW-27/27A/27B
RMW-02
RMW-26
MG-06/06A/06B
RMW-18/18A
RMW-21/21A
RMW-22/22A
DP-20/20A/20B
RMW-08/08A
RMW-23D
MG-05/05A
MG-02
DP-21/21A/21B
DP-22/22A/22B
RMW-09
OW-4
RMW-23/23A/23B/23C
OW-5
RMW-20/20A/20B/20C
DG-01
DP-24/24A/24B
OW-6A
RMW-24
DP-26/26A/26B
RMW-16/16A/16B/16C
RMW-19/19A
DG-05
RMW-07
RMW-28A/28B
RMW-17/17A
DP-23/23A/23B
RMW-10/10A/10B/10C
RMW-15/15A/15B
DP-25/25A/25B
DG-03S/03D
DP-27/27A/27B
RMW-01
RMW-06/06A
RMW-14/14A/14B/14C
DG-07
DG-06/06A/06B/06C
RMW-05A/05B
RMW-13/13A
RMW-11
MW-12
RMW-12
MW-09
MW-11

LEGEND

- Water Table Aquifer Monitoring Well
- Intermediate Aquifer Monitoring Well
- Transition Zone Aquifer Monitoring Well
- Bedrock Aquifer Monitoring Well
- Observation Well (Previous Pilot Study)
- Direct-Push Groundwater Sample Location
- Destroyed Water Table Monitoring Well
- Property Boundary (Approximate)

NOTES

Aerial Photograph Source: Google Earth (2018).

Locations of buildings and other structures provided by developer.

N

0 120 240 Feet

1 " = 133 '

1:1,600

PROJECT:
FORMER WESTPOINT HOME
CLEMSON, SOUTH CAROLINA

TITLE:
GROUNDWATER MONITORING LOCATIONS

DRAWN BY:	WIXON S	PROJ. NO.:	300688.0.0.4
CHECKED BY:	CLARK L		
APPROVED BY:	WEBB S		FIGURE 1
DATE:	MARCH 2019		

TRC
50 International Drive, Suite 150
Patewood Plaza Three
Greenville, SC 29615
Phone: 864.281.0030
www.trcsolutions.com

FILE NO.: Fig 1_GW Mon Locations_2019.mxd

Plot Date: 3/19/2019, 16:48:42 PM by RWIXON -- LAYOUT: ANSI B(11"x17")
Path: U:\West Point Home\Clemson SC\ArcGIS\10.3\300688\Fig 1_GW Mon Locations_2019.mxd
Coordinate System: NAD 1983 StatePlane South Carolina FIPS 3900 Feet (Foot US)
Map Rotation: 0

TRC - GIS

RMW-25
676.52

RMW-29
674.71

RMW-27
673.78

RMW-18
672.80

RMW-21
671.31

RMW-20
671.10

RMW-24
NA

RMW-19
669.86

RMW-01
668.85

RMW-04
670.82

RMW-03
670.86

RMW-02
671.79

RMW-26
670.04

RMW-08
670.11

RMW-07
669.71

RMW-06
668.43

RMW-22
668.90

RMW-09
669.05

RMW-23
668.32

RMW-10
668.34

MG-06
667.61*

MG-05
667.00

MG-02
665.89

RMW-17
667.14

RMW-16
666.68

RMW-15
665.88

RMW-14
666.61

RMW-13
666.13

RMW-11
665.84

RMW-12
665.49

MW-09
NA

MW-11
661.53

DG-05
663.85

DG-01
662.44

DG-03S
662.80

DG-06
661.53

MW-12
662.34

675
674
673
672
671
670
669
668
667
666
665
664
663
662

HARTWELL
LAKE
659.70

LEGEND

- Water Table Aquifer Monitoring Well
- Destroyed Water Table Monitoring Well
- Water Table Elevation Contour (ft MSL). Dashed Where Inferred.
- Estimated Groundwater Flow Direction
- Property Boundary (Approximate)
- NA Not Available

NOTES

Aerial Photograph Source: Google Earth (2018).

Locations of buildings and other structures provided by developer.

Water Levels measured January 16 and 17, 2019.

* - Anomalous water level recorded 1/17/2019 depth to water re-measured 1/24/2019.

Hartwell Lake Elevation Source:
www.mylakehartwell.com/Level/Calendar/2019/01/

LISA CLARK
REGISTERED
No. 2162
3-20-19
SOUTH CAROLINA
PROFESSIONAL GEOLOGIST

N

0 100 200 Feet

1 " = 133 '
1:1,600

PROJECT:
FORMER WESTPOINT HOME SITE
CLEMSON, SOUTH CAROLINA

TITLE:
WATER TABLE CONFIGURATION
JANUARY 2019

DRAWN BY:	SZYNAL D	PROJ NO:	300688.0.0.4
CHECKED BY:	CLARK L		
APPROVED BY:	WEBB S		FIGURE 2
DATE:	MARCH 2019		

TRC
50 International Drive, Suite 150
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FILE NO.: Fig 2 - WaterTable_2019.mxd

Plot Date: 3/19/2019, 15:35:42 PM by RWIXON -- LAYOUT: ANSI B(11"x17")
Path: U:\West Point Home\Clemson SC\ArcGIS\0.300688\Water Table & PZ Maps\Fig 2 - WaterTable_2019.mxd
Coordinate System: NAD 1983 StatePlane South Carolina FIPS 3900 Feet (Foot US)
Map Rotation: 0

TRC - GIS

RMW-27A
673.32
RMW-18A
672.81
RMW-21A
671.25
RMW-20A
670.86
RMW-19A
669.79
RMW-08A
669.84
RMW-22A
668.85
RMW-23A
668.34
MG-06A
668.31
MG-05A
667.87
RMW-28A
668.45
RMW-17A
667.04
RMW-16A
666.66
RMW-10A
668.21
RMW-15A
665.55
RMW-06A
668.42
RMW-14A
666.48
DG-03D
662.27
DG-07
660.76
DG-06A
661.10
RMW-05A
667.36
RMW-13A
665.49
673
672
671
670
669
668
667
666
665
664
663
662
661
HARTWELL LAKE

LEGEND

- Intermediate Aquifer Monitoring Well
- Intermediate Piezometric Surface Elevation Contour (ft MSL). Dashed Where Inferred.
- Estimated Groundwater Flow Direction
- Property Boundary (Approximate)

NOTES

Aerial Photograph Source: Google Earth (2018)

Locations of buildings and other structures provided by developer.

Water Levels measured January 16 and 17, 2019.

LISA CLARK
REGISTERED
No. 2162
3-20-19
SOUTH CAROLINA
PROFESSIONAL GEOLOGIST

N

0 100 200 Feet

1 " = 133 '

1:1,600

PROJECT:
FORMER WESTPOINT HOME SITE
CLEMSON, SOUTH CAROLINA

TITLE:
PIEZOMETRIC SURFACE - INTERMEDIATE ZONE
JANUARY 2019

DRAWN BY:	SZYNAL D	PROJ NO.:	300688.0.0.4
CHECKED BY:	CLARK L		
APPROVED BY:	WEBB S		FIGURE 3
DATE:	MARCH 2019		

TRC
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FILE NO.: Fig 3 - Piezometric-Intermediate_2019.mxd

Plot Date: 3/19/2019, 15:42:29 PM by RWIXON -- LAYOUT: ANSI B(11"x17")
Path: U:\West Point Home\Clemson SC\ArcGIS\10\300688\Water Table & PZ Maps\Fig 3 - Piezometric-Intermediate_2019.mxd
Coordinate System: NAD 1983 StatePlane South Carolina FIPS 3900 Feet (Foot US)
Map Rotation: 0

TRC - GIS

RMW-27B
672.94

MG-06B
668.41

RMW-20B
670.42

RMW-23B
668.51

RMW-28B
668.32

RMW-16B
666.05

RMW-10B
667.76

RMW-15B
664.60

RMW-14B
665.36

DG-06B
661.66

RMW-05B
666.73

672

671

670

669

668

667

666

665

664

663

662

HARTWELL
LAKE

LEGEND

- Transition Zone Aquifer Monitoring Well
- Transition Zone Piezometric Surface Elevation (ft MSL). Dashed where Inferred.
- Estimated Groundwater Flow Direction
- Property Boundary (Approximate)

NOTES

Aerial Photograph Source: Google Earth (2018).

Locations of buildings and other structures provided by developer.

Water Levels measured January 16 and 17, 2019.

LISA CLARK
REGISTERED
No. 2162
3-20-19
SOUTH CAROLINA
PROFESSIONAL GEOLOGIST

N

0 100 200 Feet

1 " = 133 '

1:1,600

PROJECT:
FORMER WESTPOINT HOME SITE
CLEMSON, SOUTH CAROLINA

TITLE:
PIEZOMETRIC SURFACE - TRANSITION ZONE
JANUARY 2019

DRAWN BY:	SZYNAL D	PROJ NO.:	300688.0.0.4
CHECKED BY:	CLARK L		
APPROVED BY:	WEBB S		FIGURE 4
DATE:	MARCH 2019		

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FILE NO.: Fig 4 - Piezometric-TransitionZone_2019.mxd

Plot Date: 3/19/2019, 16:50:03 PM by RWILSON -- LAYOUT: ANSI B (11"x17")
Path: U:\West Point Home\Clemson SC\ArcGIS\10.300688\Water Table & PZ Maps\Fig 4 - Piezometric-TransitionZone_2019.mxd
Coordinate System: NAD 1983 StatePlane South Carolina FIPS 3900 Feet (Foot US)
Map Rotation: 0

TRC - GIS

LEGEND

- Bedrock Aquifer Monitoring Well
- Bedrock Piezometric Surface Elevation (ft MSL). Dashed where Inferred.
- Estimated Groundwater Flow Direction
- Property Boundary (Approximate)

NOTES

Aerial Photograph Source: Google Earth (2018).

Locations of buildings and other structures provided by developer.

Water Levels measured January 16 and 17, 2019.

LISA CLARK
REGISTERED
No. 2162
3-2019
SOUTH CAROLINA
PROFESSIONAL GEOLOGIST

N

0 100 200 Feet

1" = 133 '

1:1,600

PROJECT:
FORMER WESTPOINT HOME SITE
CLEMSON, SOUTH CAROLINA

TITLE:
PIEZOMETRIC SURFACE - BEDROCK
JANUARY 2019

DRAWN BY:	SZYNAL D	PROJ NO.:	300688.0.0.4
CHECKED BY:	CLARK L		
APPROVED BY:	WEBB S		**FIGURE 5**
DATE:	MARCH 2019		

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Phone: 864.281.0030
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FILE NO.: Fig 5 - Piezometric-Bedrock_2019.mxd

Plot Date: 3/19/2019, 16:50:54 PM by RWIXON -- LAYOUT ANSI B(11"x17")
Path: I:\West Point Home\Clemson,SC\ArcGIS\10.300688\Water Table & PZ Maps\Fig 5 - Piezometric-Bedrock_2019.mxd
Coordinate System: NAD 1983 StatePlane South Carolina FIPS 3900 Feet (Foot US)
Map Rotation: 0

TRC - GIS

RMW-25 <0.0010
RMW-29 0.0013
RMW-04 <0.0010
RMW-03 0.0016
RMW-27 3.6
RMW-18 1.5
RMW-02 <0.050
RMW-26 0.00074 J
MG-06 <0.0010
RMW-21 0.36
DP-22 0.8
DP-20 1.2
DP-21 0.038
RMW-08 0.34
RMW-22 0.077
MG-05 0.02
MG-02 <0.0010
RMW-20 0.056
RMW-09 0.19
RMW-23 0.0056
DG-01 <0.0010
DP-24 0.81
DP-26 0.32
RMW-17 0.18
RMW-16 0.27
DG-05 0.0015
RMW-07 0.27
RMW-24 0.00067 J
DP-25 0.34
RMW-19 0.029
DP-23 0.08
RMW-10 0.48
RMW-15 0.035
DG-03S 0.011
DP-27 0.33
RMW-14 0.053
RMW-06 0.066
DG-06 0.46
RMW-01 0.0022
RMW-13 0.12
RMW-11 0.1
RMW-12 0.0017
MW-12 0.07
HARTWELL LAKE
MW-09
MW-11 0.0015

1
0.1
0.005
0.1
0.1
0.005

LEGEND

- Water Table Monitoring Well
- Direct-Push Groundwater Sample
- Destroyed Water Table Monitoring Well
- PCE Isoconcentration Contour (mg/L). Dashed Where Inferred.
- Property Boundary (Approximate)

NOTES

Aerial Photograph Source: Google Earth (2018).

Groundwater samples collected January/February 2019.

Constituent concentrations are posted in mg/L.

PCE - Tetrachloroethene

LISA CLARK REGISTERED No. 2162 3-20-19 SOUTH CAROLINA PROFESSIONAL GEOLOGIST

N

0 120 240 Feet

1 " = 133 '

1:1,600

PROJECT: FORMER WESTPOINT HOME, INC. CLEMSON, SOUTH CAROLINA

TITLE: TETRACHLOROETHENE DISTRIBUTION IN SHALLOW GROUNDWATER

DRAWN BY:	MAYER R	PROJ. NO.:	300688.0.0.4
CHECKED BY:	CLARK L		FIGURE 6
APPROVED BY:	WEBB S		
DATE:	MARCH 2019		

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Greenville, SC 29615
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FILE NO.: Fig 6 - PCE_2019-02_Shallow.mxd

Plot Date: 3/19/2019, 15:45:55 PM by RWIXON – LAYOUT: ANSI B (11"x17")
Path: U:\West Point Home\Clemson SC\ArcGIS\10.3\300688\PCE Maps\Fig 6 - PCE_2019-02_Shallow.mxd
Coordinate System: NAD 1983 StatePlane South Carolina FIPS 3900 Feet (Foot US)
Map Rotation: 0

TRC - GIS

RMW-27A
<0.0010
RMW-18A
2.6
RMW-21A
6.1
DP-20A
2.2
DP-21A
1.9
DP-22A
2.7
RMW-08A
0.1
RMW-22A
0.41
MG-06A
0.013
MG-05A
0.2
RMW-23A
0.024 J
DP-24A
4.2
RMW-20A
5.4
DP-26A
0.28
DP-23A
0.032
DP-25A
0.45
RMW-28A
0.17
RMW-19A
0.19
RMW-10A
1.7
DP-27A
0.27
RMW-17A
0.92
RMW-16A
9.3
RMW-15A
0.23
DG-03D
0.14
DG-07
0.058
DG-06A
0.44
RMW-06A
0.036
RMW-14A
0.3
RMW-05A
<0.0010
RMW-13A
<0.0010
0.005
0.1
1
5
HARTWELL
LAKE

LEGEND

- Intermediate Aquifer Monitoring Well
- Direct-Push Groundwater Sample
- PCE Isoconcentration Contour (mg/L). Dashed Where Inferred.
- Property Boundary (Approximate)

NOTES

Aerial Photograph Source: Google Earth (2018).

Groundwater samples collected January/February 2019.

Constituent concentrations are posted in mg/L.

PCE - Tetrachloroethene

LISA CLARK
REGISTERED
No. 2162
3-20-19
SOUTH CAROLINA
PROFESSIONAL GEOLOGIST

N

0 120 240 Feet

1 " = 133 '
1:1,600

PROJECT:
FORMER WESTPOINT HOME, INC.
CLEMSON, SOUTH CAROLINA

TITLE:
TETRACHLOROETHENE DISTRIBUTION
IN INTERMEDIATE AQUIFER WELLS

DRAWN BY:	MAYER R	PROJ. NO:	300688.0.0.4
CHECKED BY:	CLARK L		
APPROVED BY:	WEBB S		FIGURE 7
DATE:	MARCH 2019		

TRC
50 International Drive, Suite 150
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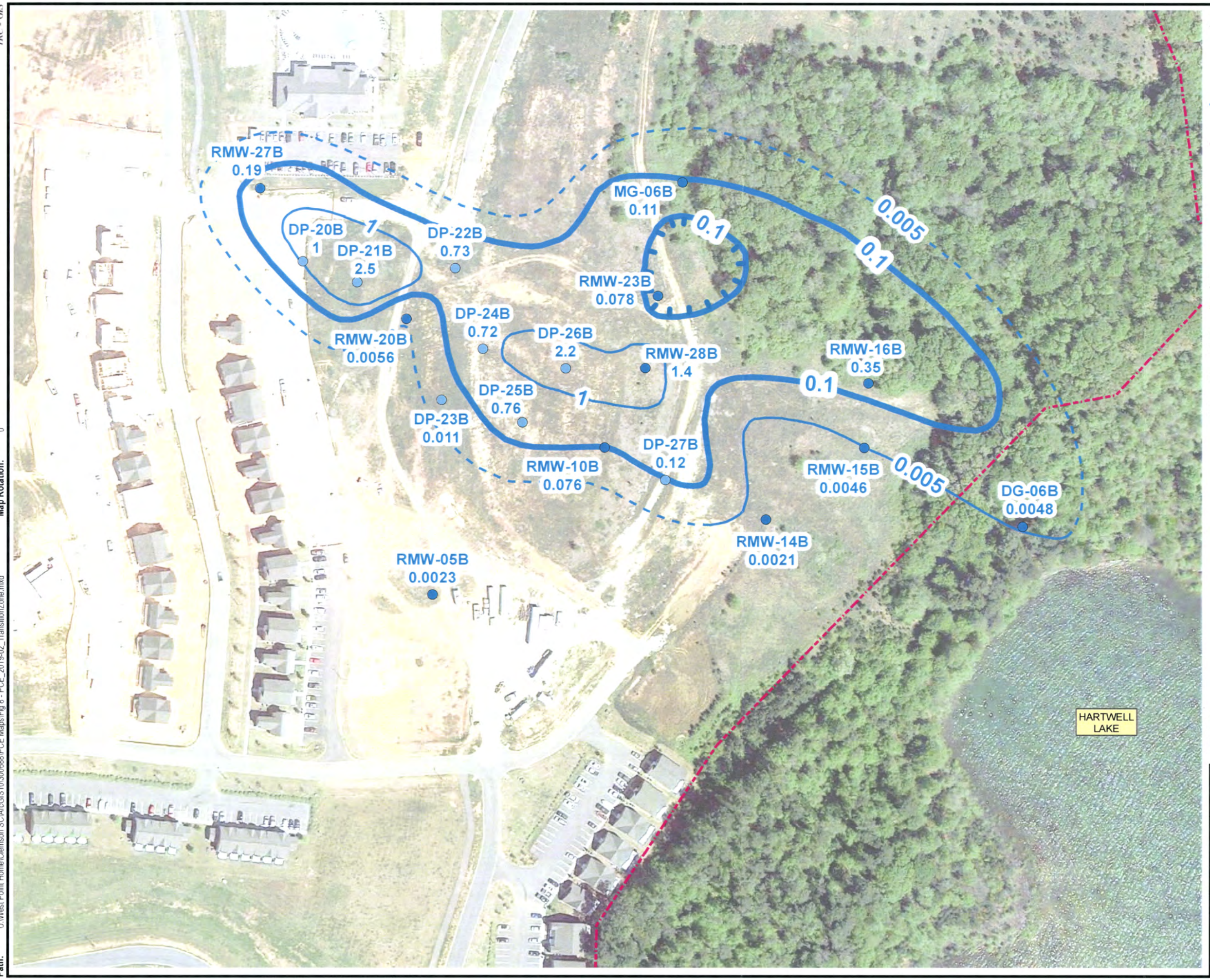
FILE NO.: Fig 7 - PCE_2019-02_Intermediate.mxd

Plot Date: 3/19/2019, 15:47:09 PM by RWIXON -- LAYOUT: ANSI B(11"x17")
Path: U:\West Point Home\Clemson SC\ArcGIS\10.3\300688\PCE Maps\Fig 7 - PCE_2019-02_Intermediate.mxd
Coordinate System: NAD 1983 StatePlane South Carolina FIPS 3900 Feet (Foot US)
Map Rotation: 0

TRC - GIS



LEGEND

- Transition Zone Monitoring Well
- Direct-Push Groundwater Sample
- PCE Isoconcentration Contour (mg/L). Dashed Where Inferred.
- Property Boundary (Approximate)

NOTES

Aerial Photograph Source: Google Earth (2018).

Groundwater samples collected January/February 2019.

Constituent concentrations are posted in mg/L.

PCE - Tetrachloroethene

LISA CLARK
REGISTERED
No. 2162
3-20-19
SOUTH CAROLINA
PROFESSIONAL GEOLOGIST

N

0 120 240 Feet

1 " = 133 '

1:1,600

PROJECT:
FORMER WESTPOINT HOME, INC.
CLEMSON, SOUTH CAROLINA

TITLE:
TETRACHLOROETHENE DISTRIBUTION IN TRANSITION ZONE WELLS

DRAWN BY:	MAYER R	PROJ. NO.:	300688.0.0.4
CHECKED BY:	CLARK L		
APPROVED BY:	WEBB S		FIGURE 8
DATE:	MARCH 2019		

TRC
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FILE NO.: Fig 8 - PCE_2019-02_TransitionZone.mxd

Plot Date: 3/19/2019, 15:47:50 PM by RWILKON -- LAYOUT: ANSI B (11"x17")
Path: U:\West Point Home\Clemson SC\ArcGIS\10.3\300688\PCE Maps\Fig 8 - PCE_2019-02_TransitionZone.mxd
Coordinate System: NAD 1983 StatePlane South Carolina FIPS 3900 Feet (Foot US)
Map Rotation: 0

TRC - GIS

RMW-23D
0.79

RMW-23C
0.07

RMW-20C
0.0062

RMW-16C
0.45

RMW-10C
0.018

RMW-14C
0.0010

DG-06C
0.0045

0.005

0.1

0.1

0.005

HARTWELL LAKE

LEGEND

- Bedrock Monitoring Well
- PCE Isoconcentration Contour (mg/L). Dashed Where Inferred.
- Property Boundary (Approximate)

NOTES

Aerial Photograph Source: Google Earth (2018).

Groundwater samples collected January/February 2019.

Constituent concentrations are posted in mg/L.

PCE - Tetrachloroethene

LISA CLARK
REGISTERED
No. 2162
3-20-19
SOUTH CAROLINA
PROFESSIONAL GEOLOGIST

N

0 120 240
Feet

1 " = 133 '
1:1,600

PROJECT:
FORMER WESTPOINT HOME, INC.
CLEMSON, SOUTH CAROLINA

TITLE:
TETRACHLOROETHENE DISTRIBUTION IN BEDROCK WELLS

DRAWN BY:	MAYER R	PROJ. NO.:	300688.0.0.4
CHECKED BY:	CLARK L		
APPROVED BY:	WEBB S		FIGURE 9
DATE:	MARCH 2019		

TRC
50 International Drive, Suite 150
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Greenville, SC 29615
Phone: 864.281.0030
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FILE NO.: Fig 9 - PCE_2019-02_Bedrock.mxd

Plot Date: 3/19/2019, 15:50:42 PM by RWIXON -- LAYOUT: ANSI B(11"x17")
Path: I:\West Point Home\Clemson SC\ArcGIS\0.300688\PCE Maps\Fig 9 - PCE_2019-02_Bedrock.mxd
Coordinate System: NAD 1983 StatePlane South Carolina FIPS 3900 Feet (Foot US)
Map Rotation: 0

TRC - GIS

Ms. Kimberly M. Kuhn
South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management
March 20, 2019

Attachment 2
Tables

TRC

Table 1
Baseline Sampling Results
WestPoint Home, Clemson, SC Facility

PARAMETER	MCL[1]	DG-01 02/01/2019 10 - 20 ft	DG-03D 02/01/2019 33.5 - 38.5 ft	DG-03S 02/01/2019 10 - 20 ft	DG-05 02/01/2019 5.7 - 15 ft	DG-06 02/08/2019 10 - 20 ft	DG-06A 02/08/2019 50 - 55 ft	DG-06B 02/12/2019 98 - 103 ft	DG-06C 02/12/2019 108.3 - 113.3 ft	DG-07 02/12/2019 33 - 38 ft	DP-20 01/18/2019 20 - 24 ft
Gases (ug/L)											
Methane	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1100**
Ethane	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.36**
Ethene	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.15**
Volatile Organic Compounds (mg/L)											
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.020
1,1-Dichloroethane	--	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.020
1,1-Dichloroethene	0.007	< 0.0010	**0.0050**	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.0010	< 0.0010	**0.0036**	< 0.020
1,2-Dichlorobenzene	0.6	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.020
1,2-Dichloroethane	0.005	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.0010	< 0.0010	**0.0020**	< 0.020
1,4-Dichlorobenzene	0.075	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.020
2-Butanone (MEK)	--	< 0.010	< 0.010	< 0.010	< 0.010	< 0.10	< 0.10	< 0.010	< 0.010	< 0.010	< 0.20
Acetone	--	< 0.020 U	< 0.020 U	< 0.020	< 0.020 U	< 0.20	< 0.20	**0.0020 J**	**0.0025 J**	**0.0024 J**	< 0.40
Benzene	0.005	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.020
Carbon disulfide	--	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.020
Carbon tetrachloride	0.005	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.020
Chlorobenzene	0.1	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.020
Chloroform	0.08[2]	< 0.0010	**0.00088 J**	**0.00090 J**	< 0.0010	< 0.010	< 0.010	**0.00082 J**	**0.00057 J**	**0.00045 J**	< 0.020
cis-1,2-Dichloroethene	0.07	< 0.0010	**0.00053 J**	< 0.0010	< 0.0010	**0.0045 J**	< 0.010	< 0.0010	< 0.0010	< 0.0010	**0.063**
Cyclohexane	--	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.020
Ethylbenzene	0.7	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.020
Isopropylbenzene	--	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.020
Methyl acetate	--	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.020
Methylcyclohexane	--	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.10
Styrene	0.1	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.020
Tetrachloroethene	0.005	< 0.0010	**0.14**	**0.011**	**0.0015**	**0.46**	**0.44**	**0.0048**	**0.0045**	**0.058**	**1.2**
Toluene	1	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.020
Trichloroethene	0.005	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.0010	< 0.0010	**0.00060 J**	**0.016 J**
Trichlorofluoromethane	--	< 0.0010	**0.037**	**0.0016**	**0.0014**	**0.0094 J**	**0.02**	< 0.0010	< 0.0010	**0.032**	< 0.020
Vinyl chloride	0.002	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.020
Xylenes, total	10	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.010	< 0.010	< 0.0010	< 0.0010	< 0.0010	< 0.020
General Chemistry (mg/L)											
Bromide	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.38**
Chloride	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	**54**
Nitrate as N	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.1**
Sulfate	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	**96**
Field Parameters											
pH, Field (su)	--	**4.96**	**5.31**	**4.26**	**5.2**	**4.5**	**10.18**	**6.53**	**6.44**	**6.33**	**5.7**
Temperature, Field (°C)	--	**12.32**	**13.15**	**14.46**	**12.23**	**13.09**	**15.76**	**15.5**	**13.55**	**12.81**	**18.4**
Specific Conductivity, Field (uS/cm)	--	**14**	**39**	**71**	**30**	**53**	**97**	**98**	**74**	**71**	**330**
Dissolved Oxygen, Field (mg/L)	--	**5.13**	**5.15**	**0**	**0.73**	**2.01**	**2.88**	**2.03**	**7.42**	**3.65**	**1**
Oxidation Reduction Potential, Field (mV)	--	**245**	**189**	**285**	**110**	**331**	**76**	**108**	**153**	**159**	**375**
Turbidity, Field (ntu)	--	**5.8**	**0**	**0**	**0**	**0**	**0**	**224**	**0**	**21.8**	**>1000**
Iron, Ferrous, Field (mg/L)	--	**0**	**0.05**	**0**	**2.5**	**0**	**0**	**0**	**0**	**0**	**0.2**

[1] Maximum Contaminant Level; 2018 Edition of the Drinking Water Standards and Health Advisories (USEPA, 2018).

[2] The total of combined trihalomethanes (bromodichloromethane, dibromochloromethane, bromoform and chloroform) cannot exceed 0.08 mg/L.

J - Concentration detected equal to or greater than the method detection limit but less than the reporting limit.

j - Concentration considered an estimate based on data validation.

U - The analyte was not detected at or above the reporting limit.

NA - Not analyzed.

Bolding indicates constituent detection.

Shading indicates concentration exceeds comparison criteria.

Table 1
Baseline Sampling Results
WestPoint Home, Clemson, SC Facility

PARAMETER	MCL[1]	DP-20A 01/18/2019 51 - 55 ft	DP-20A DU-19105 01/18/2019 51 - 55 ft	DP-20B 01/18/2019 70 - 74 ft	DP-21 01/18/2019 20 - 24 ft	DP-21A 01/18/2019 51 - 55 ft	DP-21B 01/25/2019 72 - 76 ft	DP-22 01/16/2019 20 - 24 ft	DP-22A 01/16/2019 51 - 55 ft	DP-22B 01/16/2019 67 - 71 ft	DP-23 01/16/2019 20 - 24 ft	DP-23A 01/16/2019 51 - 55 ft
Gases (ug/L)												
Methane	--	**17**	**16**	**0.82**	< 0.50	**0.83**	< 0.50	< 0.50	**1.3**	**1.0**	< 0.50	< 0.50
Ethane	--	**0.18**	**0.18**	**0.24**	< 0.10	**0.20**	< 0.10	< 0.10	**0.31**	**0.30**	< 0.10	< 0.10
Ethene	--	**0.10**	**0.10**	**0.26**	< 0.10	**0.16**	< 0.10	< 0.10	**0.22**	**0.24**	< 0.10	< 0.10
Volatile Organic Compounds (mg/L)												
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	< 0.050	< 0.020 UJ	< 0.020	< 0.0010 UJ	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	< 0.0010
1,1-Dichloroethane	--	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	< 0.0010
1,1-Dichloroethene	0.007	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	< 0.0010
1,2-Dichlorobenzene	0.6	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	< 0.0010
1,2-Dichloroethane	0.005	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	< 0.0010
1,4-Dichlorobenzene	0.075	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	< 0.0010
2-Butanone (MEK)	--	< 0.50	< 0.20	< 0.20	< 0.010	< 0.20	< 0.50	< 0.10	< 0.50	< 0.10	< 0.010	< 0.010
Acetone	--	< 1.0	< 0.40 UJ	< 0.40	< 0.020	< 0.40	< 1.0	< 0.20	< 1.0	< 0.20	< 0.020	< 0.020
Benzene	0.005	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	< 0.0010
Carbon disulfide	--	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	< 0.0010
Carbon tetrachloride	0.005	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	< 0.0010
Chlorobenzene	0.1	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	< 0.0010
Chloroform	0.08[2]	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	**0.00041 J**	< 0.0010
cis-1,2-Dichloroethene	0.07	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	< 0.0010
Cyclohexane	--	< 0.050	< 0.020 UJ	< 0.020	< 0.0010 UJ	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	< 0.0010
Ethylbenzene	0.7	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	< 0.0010
Isopropylbenzene	--	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	< 0.0010
Methyl acetate	--	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	< 0.0010
Methylcyclohexane	--	< 0.25	< 0.10	< 0.10	< 0.0050	< 0.10	< 0.25	< 0.050	< 0.25	< 0.050	< 0.0050	< 0.0050
Styrene	0.1	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	< 0.0010
Tetrachloroethene	0.005	**2.2**	**1.8**	**1**	**0.038**	**1.9**	**2.5**	**0.8**	**2.7**	**0.73**	**0.08**	**0.032**
Toluene	1	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	< 0.0010
Trichloroethene	0.005	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	**0.0077 J**	< 0.0010	< 0.0010
Trichlorofluoromethane	--	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	**0.0035**
Vinyl chloride	0.002	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	< 0.0010
Xylenes, total	10	< 0.050	< 0.020	< 0.020	< 0.0010	< 0.020	< 0.050	< 0.010	< 0.050	< 0.010	< 0.0010	< 0.0010
General Chemistry (mg/L)												
Bromide	--	**0.30**	**0.47**	**0.32**	**0.22**	**1.3**	**0.14 J**	**0.24**	**3.2**	**0.45**	**0.26**	< 0.20
Chloride	--	**85**	**84**	**71**	**11**	**12**	**6.5**	**31**	**220**	**190**	**15**	< 1.0 U
Nitrate as N	10	**2.3**	**2.3**	**4.6**	**11**	**7.7**	**2.8**	**5.1**	**6.4**	**1.3**	**5.2**	**0.68**
Sulfate	--	**62**	**62**	**17**	**12**	< 1.0 U	< 1.0	**12**	**1.4**	**0.77 J**	**0.84 J**	**0.44 J**
Field Parameters												
pH, Field (su)	--	**5.36**	NA	**7.1**	**5.21**	**5.92**	**5.95**	**5.53**	**5.34**	**6.12**	**5.28**	**5.78**
Temperature, Field (°C)	--	**19.29**	NA	**18.95**	**16.13**	**15.78**	**16.21**	**17.55**	**18.4**	**19.81**	**14.29**	**13.73**
Specific Conductivity, Field (uS/cm)	--	**340**	NA	**319**	**147**	**116**	**55**	**170**	**610**	**512**	**111**	**20**
Dissolved Oxygen, Field (mg/L)	--	**2.17**	NA	**0.87**	**4.64**	**2.68**	**5.51**	**3.06**	**1.54**	**1.65**	**3.36**	**6.04**
Oxidation Reduction Potential, Field (mV)	--	**375**	NA	**-3**	**219**	**190**	**160**	**228**	**191**	**91**	**240**	**180**
Turbidity, Field (ntu)	--	**>1000**	NA	**>1000**	**>1000**	**>1000**	**485**	**>1000**	**661**	NA	**>1000**	**910**
Iron, Ferrous, Field (mg/L)	--	**0.2**	NA	**3**	**0.6**	**2**	**0**	**0.6**	**6**	**6**	**0.6**	**0.2**

[1] Maximum Contaminant Level; 2018 Edition of the Drinking Water Standards and Health Advisories (USEPA, 2018).

[2] The total of combined trihalomethanes (bromodichloromethane, dibromochloromethane, bromoform and chloroform) cannot exceed 0.08 mg/L.

J - Concentration detected equal to or greater than the method detection limit but less than the reporting limit.

j - Concentration considered an estimate based on data validation.

U - The analyte was not detected at or above the reporting limit.

NA - Not analyzed.

Bolding indicates constituent detection.

Shading indicates concentration exceeds comparison criteria.

Table 1
Baseline Sampling Results
WestPoint Home, Clemson, SC Facility

PARAMETER	MCL[1]	DP-23B 01/16/2019 72 - 76 ft	DP-24 01/15/2019 20 - 24 ft	DP-24A 01/15/2019 51 - 55 ft	DP-24B 01/15/2019 67 - 71 ft	DP-25 01/15/2019 20 - 24 ft	DP-25A 01/15/2019 51 - 55 ft	DP-25B 01/15/2019 70 - 74 ft	DP-26 01/14/2019 20 - 24 ft	DP-26A 01/14/2019 51 - 55 ft	DP-26B 01/14/2019 71 - 75 ft	DP-27 01/14/2019 20 - 24 ft
Gases (ug/L)												
Methane	--	< 0.50	< 0.50	**0.83**	**0.63**	**1.0**	**0.98**	< 0.50	< 0.50	**1.3**	**2.5**	**0.64**
Ethane	--	**0.10**	< 0.10	< 0.10	**0.12**	**0.29**	**0.37**	**0.12**	< 0.10	**0.52**	**1.4**	**0.17**
Ethene	--	< 0.10	< 0.10	< 0.10	< 0.10	**0.22**	**0.27**	< 0.10	< 0.10	**0.29**	**0.48**	< 0.10
Volatile Organic Compounds (mg/L)												
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	< 0.0010 UJ	< 0.010 UJ	< 0.050 UJ	< 0.010 UJ	< 0.0050 UJ	< 0.0050	**0.0035 J**	< 0.0050 UJ	< 0.0050 UJ	< 0.050 UJ	< 0.0050 UJ
1,1-Dichloroethane	--	< 0.0010	< 0.010	< 0.050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050
1,1-Dichloroethene	0.007	< 0.0010	< 0.010	< 0.050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050
1,2-Dichlorobenzene	0.6	< 0.0010	< 0.010	< 0.050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050
1,2-Dichloroethane	0.005	< 0.0010	< 0.010	< 0.050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050
1,4-Dichlorobenzene	0.075	< 0.0010	< 0.010	< 0.050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050
2-Butanone (MEK)	--	< 0.010	< 0.10	< 0.50	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.50	< 0.050
Acetone	--	< 0.020	< 0.20	< 1.0	< 0.20	< 0.10	**0.012 J**	**0.011 J**	< 0.10	< 0.10	< 1.0	< 0.10
Benzene	0.005	< 0.0010	< 0.010	< 0.050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050
Carbon disulfide	--	< 0.0010	< 0.010	< 0.050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050
Carbon tetrachloride	0.005	< 0.0010	< 0.010	< 0.050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050
Chlorobenzene	0.1	< 0.0010	< 0.010	< 0.050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050
Chloroform	0.08[2]	< 0.0010	< 0.010	< 0.050	< 0.010	< 0.0050	**0.0053**	**0.0031 J**	< 0.0050	< 0.0050	< 0.050	< 0.0050
cis-1,2-Dichloroethene	0.07	< 0.0010	< 0.010	< 0.050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050
Cyclohexane	--	< 0.0010 UJ	< 0.010 UJ	< 0.050 UJ	< 0.010 UJ	< 0.0050 UJ	< 0.0050	< 0.0050	< 0.0050 UJ	< 0.0050 UJ	< 0.050 UJ	< 0.0050 UJ
Ethylbenzene	0.7	< 0.0010	< 0.010	< 0.050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050
Isopropylbenzene	--	< 0.0010	< 0.010	< 0.050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050
Methyl acetate	--	< 0.0010	< 0.010	< 0.050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050
Methylcyclohexane	--	< 0.0050	< 0.050	< 0.25	< 0.050	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.25	< 0.025
Styrene	0.1	< 0.0010	< 0.010	< 0.050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050
Tetrachloroethene	0.005	**0.011**	**0.81**	**4.2**	**0.72**	**0.34**	**0.45**	**0.76**	**0.32**	**0.28**	**2.2**	**0.33**
Toluene	1	< 0.0010	< 0.010	< 0.050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050
Trichloroethene	0.005	< 0.0010	< 0.010	< 0.050	**0.0049 J**	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050
Trichlorofluoromethane	--	< 0.0010	< 0.010	< 0.050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050
Vinyl chloride	0.002	< 0.0010	< 0.010	< 0.050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050
Xylenes, total	10	< 0.0010	< 0.010	< 0.050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050
General Chemistry (mg/L)												
Bromide	--	< 0.20	**0.28**	**0.091 J**	**0.10 J**	**0.32**	**0.094 J**	< 0.20	**0.24**	< 0.20	**0.094 J**	**0.16 J**
Chloride	--	< 1.0 U	**19**	**1.2**	**1.4**	**17**	**1.4**	**1.0**	**18**	< 1.0 U	**1.2**	**8.8**
Nitrate as N	10	**0.046**	**4.3**	**0.71**	**2.3**	**5.5**	**1.3**	**0.30**	**2.8**	< 0.020	**0.49**	**2.6**
Sulfate	--	**0.64 J**	**1.3**	**0.52 J**	**0.60 J**	**160**	**1.4**	**1.3**	**240**	**1.5**	**4.4**	**91**
Field Parameters												
pH, Field (su)	--	**6.75**	**5.5**	**6.4**	**6.72**	**5.03**	**6.29**	**6.68**	**4.4**	**6.63**	**6.76**	**4.29**
Temperature, Field (°C)	--	**14.12**	**16.68**	**17.27**	**17.3**	**16.04**	**12.49**	**13.83**	**17.33**	**15.74**	**13.21**	**16.41**
Specific Conductivity, Field (uS/cm)	--	**28**	**91**	**31**	**59**	**382**	**75**	**29**	**378**	**39**	**55**	**197**
Dissolved Oxygen, Field (mg/L)	--	**7.12**	**4.11**	**4.62**	**4.4**	**1.57**	**3.38**	**6.55**	**1.73**	**3.92**	**2.34**	**4.69**
Oxidation Reduction Potential, Field (mV)	--	**126**	**293**	**173**	**86**	**261**	**112**	**88**	**288**	**77**	**27**	**263**
Turbidity, Field (ntu)	--	NA	**427**	NA	NA	**>1000**	NA	NA	**>1000**	NA	**>1000**	**743**
Iron, Ferrous, Field (mg/L)	--	**0**	**0.6**	**0.6**	**0.4**	**4**	**3**	**0.8**	**1**	**0.6**	**0.6**	**3**

[1] Maximum Contaminant Level; 2018 Edition of the Drinking Water Standards and Health Advisories (USEPA, 2018).

[2] The total of combined trihalomethanes (bromodichloromethane, dibromochloromethane, bromoform and chloroform) cannot exceed 0.08 mg/L.

J - Concentration detected equal to or greater than the method detection limit but less than the reporting limit.

j - Concentration considered an estimate based on data validation.

U - The analyte was not detected at or above the reporting limit.

NA - Not analyzed.

Bolding indicates constituent detection.

Shading indicates concentration exceeds comparison criteria.

Table 1
Baseline Sampling Results
WestPoint Home, Clemson, SC Facility

PARAMETER	MCL[1]	DP-27A 01/14/2019 51 - 55 ft	DP-27B 01/14/2019 70 - 74 ft	MG-02 02/08/2019 10 - 20 ft	MG-05 02/04/2019 10 - 20 ft	MG-05A 02/04/2019 50.2 - 55.2 ft	MG-06 02/12/2019 10 - 20 ft	MG-06A 02/12/2019 50.1 - 55.1 ft	MG-06B 02/12/2019 75.7 - 80.7 ft	MW-11 02/14/2019 5 - 15 ft	MW-12 02/14/2019 5 - 15 ft	RMW-01 02/06/2019 14.3 - 23.5 ft
Gases (ug/L)												
Methane	--	**0.82**	**1.2**	NA	NA	NA	NA	NA	NA	**7.8**	< 0.50	< 0.50
Ethane	--	**0.29**	**0.53**	NA	NA	NA	NA	NA	NA	< 0.10	< 0.10	< 0.10
Ethene	--	**0.18**	**0.35**	NA	NA	NA	NA	NA	NA	< 0.10	< 0.10	< 0.10
Volatile Organic Compounds (mg/L)												
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	< 0.0050 UJ	**0.00082 J**	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,1-Dichloroethane	--	< 0.0050	< 0.0010	< 0.0010	**0.00077 J**	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,1-Dichloroethene	0.007	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,2-Dichlorobenzene	0.6	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,2-Dichloroethane	0.005	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	**0.00045 J**	**0.0034**	< 0.0010
1,4-Dichlorobenzene	0.075	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
2-Butanone (MEK)	--	< 0.050	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Acetone	--	< 0.10	< 0.020	< 0.020	< 0.020 U	< 0.020	**0.0020 J**	**0.0030 J**	**0.0033 J**	< 0.020 U	< 0.020	< 0.020
Benzene	0.005	< 0.0050	< 0.0010	< 0.0010	**0.0010**	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Carbon disulfide	--	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Carbon tetrachloride	0.005	< 0.0050	**0.00089 J**	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Chlorobenzene	0.1	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Chloroform	0.08[2]	**0.0039 J**	**0.0024**	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	**0.00083 J**	**0.00064 J**	< 0.0010
cis-1,2-Dichloroethene	0.07	< 0.0050	< 0.0010	< 0.0010	**0.0026**	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Cyclohexane	--	< 0.0050 UJ	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	0.7	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Isopropylbenzene	--	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Methyl acetate	--	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Methylcyclohexane	--	< 0.025	**0.00095 J**	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Styrene	0.1	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroethene	0.005	**0.27**	**0.12**	< 0.0010	**0.02**	**0.2**	< 0.0010	**0.013**	**0.11**	**0.0015**	**0.07**	**0.0022**
Toluene	1	< 0.0050	**0.0010**	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroethene	0.005	< 0.0050	< 0.0010	< 0.0010	**0.0019**	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichlorofluoromethane	--	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	**0.00051 J**
Vinyl chloride	0.002	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Xylenes, total	10	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
General Chemistry (mg/L)												
Bromide	--	**0.094 J**	**0.092 J**	NA	NA	NA	NA	NA	NA	**0.11 J**	**0.12 J**	**0.25**
Chloride	--	< 1.0 U	**1.4**	NA	NA	NA	NA	NA	NA	**3.3**	**4.8**	**15**
Nitrate as N	10	**0.25**	**0.30**	NA	NA	NA	NA	NA	NA	**0.30**	**1.2**	**6.1**
Sulfate	--	**49**	**5.5**	NA	NA	NA	NA	NA	NA	**0.86 J**	**42**	**110**
Field Parameters												
pH, Field (su)	--	**5.7**	**6.55**	**4.7**	**4.41**	**6.09**	**4.69**	**6.27**	**6.37**	**4.76**	**4.29**	**5.36**
Temperature, Field (°C)	--	**14.93**	**13.82**	**14.17**	**15.86**	**15.86**	**10.8**	**17.97**	**17.6**	**12.05**	**8.44**	**17.44**
Specific Conductivity, Field (uS/cm)	--	**98**	**44**	**22**	**92**	**223**	**51**	**79**	**198**	**18**	**82**	**287**
Dissolved Oxygen, Field (mg/L)	--	**3.83**	**4.87**	**0.22**	**3.05**	**5.14**	**0.99**	**1.55**	**0**	**5.23**	**5.65**	**1.38**
Oxidation Reduction Potential, Field (mV)	--	**161**	**87**	**276**	**309**	**176**	**295**	**141**	**123**	**252**	**278**	**209**
Turbidity, Field (ntu)	--	**>1000**	NA	**0**	**76.1**	**1**	**55.5**	**0**	**0**	**0**	**0**	**0**
Iron, Ferrous, Field (mg/L)	--	**3**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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[2] The total of combined trihalomethanes (bromodichloromethane, dibromochloromethane, bromoform and chloroform) cannot exceed 0.08 mg/L.

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NA - Not analyzed.

Bolding indicates constituent detection.

Shading indicates concentration exceeds comparison criteria.

Table 1
Baseline Sampling Results
WestPoint Home, Clemson, SC Facility

PARAMETER	MCL[1]	RMW-02 02/13/2019 18.7 - 28.7 ft	RMW-03 02/12/2019 16.4 - 25.9 ft	RMW-04 02/12/2019 15.9 - 24.9 ft	RMW-05A 02/07/2019 50.2 - 55.2 ft	RMW-05B 02/13/2019 131.1 - 136.1 ft	RMW-06 01/31/2019 13.7 - 23.7 ft	RMW-06A 01/31/2019 49.6 - 54.6 ft	RMW-07 02/05/2019 15 - 25 ft	RMW-08 02/05/2019 10.9 - 20.9 ft	RMW-08A 02/05/2019 65.4 - 75.4 ft
Gases (ug/L)											
Methane	--	**230**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.0**	< 0.50	< 0.50	**3.0**
Ethane	--	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	**3.2**	< 0.10	< 0.10	**0.37**
Ethene	--	**0.13**	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	**37**	**0.26**	**0.72**	**3.6**
Volatile Organic Compounds (mg/L)											
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.0010
1,1-Dichloroethane	--	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.0010
1,1-Dichloroethene	0.007	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.0010
1,2-Dichlorobenzene	0.6	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.0010
1,2-Dichloroethane	0.005	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	**0.0011**	< 0.0050	< 0.0050	< 0.0010
1,4-Dichlorobenzene	0.075	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.0010
2-Butanone (MEK)	--	< 0.50	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050	< 0.010
Acetone	--	**0.11 J**	**0.0020 J**	**0.0020 J**	**0.012 J**	**0.0025 J**	< 0.020	< 0.020 U	< 0.10	< 0.10	< 0.020
Benzene	0.005	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.0010
Carbon disulfide	--	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.0010
Carbon tetrachloride	0.005	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.0010
Chlorobenzene	0.1	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.0010
Chloroform	0.08[2]	< 0.050	**0.00056 J**	**0.00055 J**	**0.012**	**0.0066**	**0.00071 J**	< 0.0010	< 0.0050	< 0.0050	< 0.0010
cis-1,2-Dichloroethene	0.07	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.0010
Cyclohexane	--	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.0010
Ethylbenzene	0.7	**1.1**	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.0010
Isopropylbenzene	--	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.0010
Methyl acetate	--	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.0010
Methylcyclohexane	--	< 0.25	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.025	< 0.0050
Styrene	0.1	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.0010
Tetrachloroethene	0.005	< 0.050	**0.0016**	< 0.0010	< 0.0010	**0.0023**	**0.066**	**0.036**	**0.27**	**0.34**	**0.1**
Toluene	1	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.0010
Trichloroethene	0.005	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	**0.00049 J**
Trichlorofluoromethane	--	< 0.050	< 0.0010	**0.0020**	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.0010
Vinyl chloride	0.002	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.0010
Xylenes, total	10	**3.7**	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.0010
General Chemistry (mg/L)											
Bromide	--	**0.37**	**0.32**	**0.35**	**0.10 J**	**0.091 J**	< 0.20	**0.11 J**	**0.34**	**0.30**	**1.1**
Chloride	--	**16**	**9.0**	**14**	**2.0**	**1.2**	**12**	**1.2**	**19**	**21**	**150**
Nitrate as N	10	**0.53**	**5.2**	**4.9**	**0.50**	**1.0**	**3.3**	**2.1**	**4.3**	**5.2**	**3.0**
Sulfate	--	**7.2**	**1.2**	**18**	< 1.2 U	**0.57 J**	**45**	**0.88 J**	**2.7**	**9.8**	**1.3**
Field Parameters											
pH, Field (su)	--	**12.33**	**4.78**	**4.75**	**6.18**	**6.51**	**4.34**	**3.92**	**4.55**	**4.85**	**5.57**
Temperature, Field (°C)	--	**19.83**	**17.86**	**17.88**	**19.04**	**16.11**	**15.54**	**18.08**	**19.98**	**18.63**	**19.74**
Specific Conductivity, Field (uS/cm)	--	**3880**	**53**	**85**	**35**	**28**	**69**	**33**	**72**	**104**	**664**
Dissolved Oxygen, Field (mg/L)	--	**0**	**0.78**	**1.53**	**2.12**	**4.62**	**11.26**	**4.97**	**2.1**	**3.28**	**0**
Oxidation Reduction Potential, Field (mV)	--	**-242**	**378**	**490**	**169**	**-15**	**302**	**297**	**341**	**250**	**206**
Turbidity, Field (ntu)	--	**0**	**1.11**	**2.1**	**0**	**0**	**0**	**2.5**	**0.95**	**0**	**1.1**
Iron, Ferrous, Field (mg/L)	--	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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[2] The total of combined trihalomethanes (bromodichloromethane, dibromochloromethane, bromoform and chloroform) cannot exceed 0.08 mg/L.

J - Concentration detected equal to or greater than the method detection limit but less than the reporting limit.

j - Concentration considered an estimate based on data validation.

U - The analyte was not detected at or above the reporting limit.

NA - Not analyzed.

Bolding indicates constituent detection.

Shading indicates concentration exceeds comparison criteria.

Table 1
Baseline Sampling Results
WestPoint Home, Clemson, SC Facility

PARAMETER	MCL[1]	RMW-09 02/06/2019 8.9 - 18.9 ft	DU-19104 02/06/2019 8.9 - 18.9 ft	RMW-10 01/30/2019 14.8 - 24.8 ft	RMW-10A 02/06/2019 50.3 - 55.3 ft	RMW-10B 02/06/2019 106.8 - 111.8 ft	RMW-10C 02/06/2019 118 - 123 ft	RMW-11 02/04/2019 11.1 - 21.1 ft	RMW-12 02/05/2019 12.4 - 22.2 ft	RMW-13 02/04/2019 10.1 - 18.5 ft	DU-19102 02/04/2019 10.1 - 18.5 ft	RMW-13A 02/11/2019 50.3 - 55.3 ft
Gases (ug/L)												
Methane	--	< 0.50	< 0.50	< 0.50	< 0.50	**6.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethane	--	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Ethene	--	< 0.10	< 0.10	< 0.10	< 0.10	**0.17**	**0.23**	< 0.10	< 0.10	**0.66 J**	**0.29 J**	< 0.10
Volatile Organic Compounds (mg/L)												
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,1-Dichloroethane	--	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,1-Dichloroethene	0.007	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,2-Dichlorobenzene	0.6	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,2-Dichloroethane	0.005	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	< 0.0010	**0.00093 J**	**0.0011**	< 0.0010	< 0.0010	< 0.0010
1,4-Dichlorobenzene	0.075	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
2-Butanone (MEK)	--	< 0.010	< 0.010	< 0.10	< 0.20	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Acetone	--	< 0.020	< 0.020	**0.031 J**	< 0.40	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Benzene	0.005	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Carbon disulfide	--	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Carbon tetrachloride	0.005	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Chlorobenzene	0.1	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Chloroform	0.08[2]	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	**0.00064 J**	**0.0021**	**0.00074 J**	< 0.0010	< 0.0010	< 0.0010
cis-1,2-Dichloroethene	0.07	**0.0047**	**0.0053**	< 0.010	< 0.020	**0.02**	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Cyclohexane	--	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	0.7	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Isopropylbenzene	--	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Methyl acetate	--	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Methylcyclohexane	--	< 0.0050	< 0.0050	< 0.050	< 0.10	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Styrene	0.1	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroethene	0.005	**0.15**	**0.19**	**0.48**	**1.7**	**0.076**	**0.018**	**0.1**	**0.0017**	**0.12**	**0.11**	< 0.0010
Toluene	1	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroethene	0.005	**0.0011**	**0.0014**	< 0.010	< 0.020	**0.0015**	**0.00047 J**	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichlorofluoromethane	--	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Vinyl chloride	0.002	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Xylenes, total	10	< 0.0010	< 0.0010	< 0.010	< 0.020	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
General Chemistry (mg/L)												
Bromide	--	**0.43**	**0.45**	**0.30**	< 0.20	**0.096 J**	**0.095 J**	**0.18 J**	**0.18 J**	**0.12 J**	**0.13 J**	**0.099 J**
Chloride	--	**40**	**38**	**12**	**1.0**	**1.1**	**1.3**	**9.0**	**5.5**	**4.8**	**4.9**	**0.96 J**
Nitrate as N	10	**3.5**	**3.2**	**4.7**	**0.78**	**0.79 J**	**0.95**	**6.6**	**1.7**	**1.2**	**1.3**	**0.16**
Sulfate	--	**1.8 J**	**2.5 J**	**3200**	**1.3**	**8.6**	**2.9**	**98**	**2.4**	**64**	**60**	**1.1**
Field Parameters												
pH, Field (su)	--	**4.69**	NA	**3.53**	**5.56**	**6.83**	**9.42**	**4.5**	**4.79**	**4.16**	NA	**5.6**
Temperature, Field (°C)	--	**17.58**	NA	**17.1**	**17.71**	**16.56**	**16.42**	**18.65**	**17.22**	**15.39**	NA	**16.88**
Specific Conductivity, Field (uS/cm)	--	**159**	NA	**1400**	**19**	**65**	**88**	**293**	**34**	**120**	NA	**12**
Dissolved Oxygen, Field (mg/L)	--	**0**	NA	**2**	**1.35**	**2.98**	**3.44**	**6**	**8.92**	**7.77**	NA	**4.13**
Oxidation Reduction Potential, Field (mV)	--	**482**	NA	**531**	**220**	**-65**	**-74**	**411**	**318**	**351**	NA	**271**
Turbidity, Field (ntu)	--	**7.8**	NA	**8.3**	**0**	**7.4**	**0**	**10.7**	**0**	**0**	NA	**4.78**
Iron, Ferrous, Field (mg/L)	--	**0**	NA	**0**	**0**	**0.5**	**0**	**0**	**0**	**0.05**	NA	**0**

[1] Maximum Contaminant Level: 2018 Edition of the Drinking Water Standards and Health Advisories (USEPA, 2018).

[2] The total of combined trihalomethanes (bromodichloromethane, dibromochloromethane, bromoform and chloroform) cannot exceed 0.08 mg/L.

J - Concentration detected equal to or greater than the method detection limit but less than the reporting limit.

j - Concentration considered an estimate based on data validation.

U - The analyte was not detected at or above the reporting limit.

NA - Not analyzed.

Bolding indicates constituent detection.

Shading indicates concentration exceeds comparison criteria.

Table 1
Baseline Sampling Results
WestPoint Home, Clemson, SC Facility

PARAMETER	MCL[1]	RMW-14 01/30/2019 11.5 - 21 ft	RMW-14A 01/29/2019 50.2 - 55.2 ft	RMW-14B 01/29/2019 126.8 - 131.8 ft	RMW-14C 01/29/2019 137.8 - 142.8 ft	RMW-15 02/04/2019 9.2 - 17.9 ft	RMW-15A 02/04/2019 64.8 - 74.8 ft	RMW-15B 02/04/2019 144.8 - 149.8 ft	RMW-16 01/30/2019 5.2 - 15 ft	RMW-16A 02/11/2019 49.8 - 54.8 ft	RMW-16B 02/11/2019 101.8 - 106.8 ft
Gases (ug/L)											
Methane	--	< 0.50	< 0.50	**12**	< 0.50	NA	NA	NA	NA	NA	NA
Ethane	--	< 0.10	< 0.10	< 0.10	< 0.10	NA	NA	NA	NA	NA	NA
Ethene	--	< 0.10	< 0.10	< 0.10	< 0.10	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (mg/L)											
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
1,1-Dichloroethane	--	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
1,1-Dichloroethene	0.007	< 0.0010	**0.0034 J**	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
1,2-Dichlorobenzene	0.6	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
1,2-Dichloroethane	0.005	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
1,4-Dichlorobenzene	0.075	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
2-Butanone (MEK)	--	< 0.010	< 0.050	< 0.010	< 0.010	< 0.010	< 0.050	< 0.010	< 0.050	< 1.0	< 0.050
Acetone	--	**0.0029 J**	< 0.10	< 0.020	**0.0024 J**	< 0.020	< 0.10	**0.019 J**	< 0.10	< 2.0	< 0.10
Benzene	0.005	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
Carbon disulfide	--	< 0.0010	< 0.0050	< 0.0010	**0.00052 J**	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
Carbon tetrachloride	0.005	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
Chlorobenzene	0.1	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
Chloroform	0.08[2]	< 0.0010	**0.0073**	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
cis-1,2-Dichloroethene	0.07	< 0.0010	< 0.0050	**0.00062 J**	< 0.0010	< 0.0010	< 0.0050	**0.00053 J**	**0.018**	< 0.10	**0.012**
Cyclohexane	--	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
Ethylbenzene	0.7	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
Isopropylbenzene	--	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
Methyl acetate	--	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
Methylcyclohexane	--	< 0.0050	< 0.025	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.025	< 0.50	< 0.025
Styrene	0.1	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
Tetrachloroethene	0.005	**0.053**	**0.3**	**0.0021**	**0.0010**	**0.035**	**0.23**	**0.0046**	**0.27**	**9.3**	**0.35**
Toluene	1	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
Trichloroethene	0.005	< 0.0010	< 0.0050	< 0.0010	< 0.0010	**0.0018**	< 0.0050	**0.0014**	**0.015**	< 0.10	**0.015**
Trichlorofluoromethane	--	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
Vinyl chloride	0.002	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
Xylenes, total	10	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0050	< 0.10	< 0.0050
General Chemistry (mg/L)											
Bromide	--	**0.11 J**	< 0.20	**0.10 J**	**0.094 J**	NA	NA	NA	NA	NA	NA
Chloride	--	**3.5**	**0.71 J**	**0.84 J**	**0.96 J**	NA	NA	NA	NA	NA	NA
Nitrate as N	10	**1.6**	**0.83**	**0.34**	**0.43**	NA	NA	NA	NA	NA	NA
Sulfate	--	**440**	**170**	**0.71 J**	**0.66 J**	NA	NA	NA	NA	NA	NA
Field Parameters											
pH, Field (su)	--	**3.9**	**5.19**	**6.95**	**7.15**	**5.5**	**5.75**	**7.3**	**5.71**	**6.13**	**6.87**
Temperature, Field (°C)	--	**14.31**	**15.03**	**16.02**	**16.98**	**15.08**	**14.74**	**15.47**	**12.38**	**15.9**	**15.68**
Specific Conductivity, Field (uS/cm)	--	**200**	**246**	**55**	**71**	**70**	**115**	**118**	**131**	**94**	**74**
Dissolved Oxygen, Field (mg/L)	--	**7.38**	**8.1**	**8.49**	**8.93**	**4.34**	**2.94**	**0.19**	**0**	**0**	**1.2**
Oxidation Reduction Potential, Field (mV)	--	**370**	**266**	**92**	**173**	**421**	**221**	**-47**	**39**	**152**	**-87**
Turbidity, Field (ntu)	--	**0**	**0**	**220**	**0**	**0**	**0**	**250**	**0**	**0**	**0**
Iron, Ferrous, Field (mg/L)	--	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**0**	**1**

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[2] The total of combined trihalomethanes (bromodichloromethane, dibromochloromethane, bromoform and chloroform) cannot exceed 0.08 mg/L.

J - Concentration detected equal to or greater than the method detection limit but less than the reporting limit.

j - Concentration considered an estimate based on data validation.

U - The analyte was not detected at or above the reporting limit.

NA - Not analyzed.

Bolding indicates constituent detection.

Shading indicates concentration exceeds comparison criteria.

Table 1
Baseline Sampling Results
WestPoint Home, Clemson, SC Facility

PARAMETER	MCL[1]	RMW-16C 02/11/2019 116.8 - 126.8 ft	RMW-17 01/30/2019 7.1 - 16.8 ft	RMW-17A 01/30/2019 51 - 56 ft	RMW-18 01/24/2019 15 - 25 ft	RMW-18A 01/24/2019 50 - 55 ft	RMW-19 02/06/2019 15.9 - 25.9 ft	RMW-19A 01/31/2019 49.9 - 54.9 ft	RMW-20 01/24/2019 13.5 - 23 ft	RMW-20A 01/24/2019 50.2 - 55.2 ft	RMW-20B 01/24/2019 103 - 108 ft	RMW-20C 02/05/2019 113.8 - 118.8 ft
Gases (ug/L)												
Methane	--	NA	NA	NA	**360**	**0.72**	< 0.50	**11**	**0.54**	< 0.50	**3.0**	**1.1**
Ethane	--	NA	NA	NA	< 0.10	< 0.10	< 0.10	**2.9**	< 0.10	< 0.10	< 0.10	< 0.10
Ethene	--	NA	NA	NA	< 0.10	**0.14**	< 0.10	**25**	< 0.10	< 0.10	< 0.10	**3.8**
Volatile Organic Compounds (mg/L)												
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
1,1-Dichloroethane	--	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
1,1-Dichloroethene	0.007	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
1,2-Dichlorobenzene	0.6	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
1,2-Dichloroethane	0.005	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
1,4-Dichlorobenzene	0.075	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
2-Butanone (MEK)	--	< 0.050	< 0.010	< 0.20	< 0.20	< 0.50	< 0.010	< 0.010	< 0.010	< 0.50	< 0.010	< 0.010
Acetone	--	< 0.10	**0.0082 J**	< 0.40	< 0.40	< 1.0	**0.0021 J**	< 0.020 U	< 0.020	< 1.0	< 0.020 U	**0.0032 J**
Benzene	0.005	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
Carbon disulfide	--	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
Carbon tetrachloride	0.005	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
Chlorobenzene	0.1	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
Chloroform	0.08[2]	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	< 0.0010	**0.019**	< 0.0010	< 0.050	< 0.0010	< 0.0010
cis-1,2-Dichloroethene	0.07	< 0.0050	**0.021**	< 0.020	**0.03**	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
Cyclohexane	--	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
Ethylbenzene	0.7	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
Isopropylbenzene	--	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
Methyl acetate	--	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
Methylcyclohexane	--	< 0.025	< 0.0050	< 0.10	< 0.10	< 0.25	< 0.0050	< 0.0050	< 0.0050	< 0.25	< 0.0050	< 0.0050
Styrene	0.1	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
Tetrachloroethene	0.005	**0.45**	**0.18**	**0.92**	**1.5**	**2.6**	**0.029**	**0.19**	**0.056**	**5.4**	**0.0056**	**0.0062**
Toluene	1	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
Trichloroethene	0.005	< 0.0050	**0.0054**	< 0.020	< 0.020	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
Trichlorofluoromethane	--	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	**0.0036**	**0.00044 J**	< 0.0010	< 0.050	< 0.0010	< 0.0010
Vinyl chloride	0.002	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
Xylenes, total	10	< 0.0050	< 0.0010	< 0.020	< 0.020	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.050	< 0.0010	< 0.0010
General Chemistry (mg/L)												
Bromide	--	NA	NA	NA	**0.38 J**	**0.34**	**0.18 J**	**0.11 J**	**0.27**	< 0.20	< 0.20	**0.097 J**
Chloride	--	NA	NA	NA	**51**	**150**	**7.4**	**1.2**	**13**	**1.4**	**3.3**	**3.5**
Nitrate as N	10	NA	NA	NA	**6.2**	**6.2**	**7.8**	**2.1**	**9.0**	**2.5**	**1.5**	**1.7**
Sulfate	--	NA	NA	NA	**40**	**97**	**13**	**0.92 J**	**78**	**0.59 J**	**0.35 J**	**0.62 J**
Field Parameters												
pH, Field (su)	--	**6.94**	**5.33**	**5.84**	**5.02**	**4.82**	**4.56**	**4.63**	**4.79**	**5.08**	**6.29**	**11.13**
Temperature, Field (°C)	--	**16.94**	**15.22**	**16.65**	**16.64**	**18.11**	**19.17**	**19.04**	**16.1**	**16.05**	**18.44**	**19.72**
Specific Conductivity, Field (uS/cm)	--	**89**	**133**	**154**	**199**	**617**	**82**	**33**	**172**	**24**	**65**	**329**
Dissolved Oxygen, Field (mg/L)	--	**0**	**0**	**0**	**8.04**	**1.17**	**1.85**	**10.3**	**6.82**	**6.11**	**9.34**	**4.98**
Oxidation Reduction Potential, Field (mV)	--	**21**	**532**	**262**	**525**	**373**	**369**	**234**	**406**	**421**	**234**	**-2**
Turbidity, Field (ntu)	--	**0**	**9.5**	**0.8**	**0**	**0**	**1.89**	**0**	**0**	**0**	**3.5**	**0**
Iron, Ferrous, Field (mg/L)	--	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.05**	**0.1**	**0**	**0**

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[2] The total of combined trihalomethanes (bromodichloromethane, dibromochloromethane, bromoform and chloroform) cannot exceed 0.08 mg/L.

J - Concentration detected equal to or greater than the method detection limit but less than the reporting limit.

j - Concentration considered an estimate based on data validation.

U - The analyte was not detected at or above the reporting limit.

NA - Not analyzed.

Bolding indicates constituent detection.

Shading indicates concentration exceeds comparison criteria.

Table 1
Baseline Sampling Results
WestPoint Home, Clemson, SC Facility

PARAMETER	MCL[1]	RMW-21 02/05/2019 17.2 - 24 ft	RMW-21A 01/31/2019 50 - 55 ft	RMW-22 02/06/2019 8.6 - 18.6 ft	RMW-22A 02/07/2019 50.1 - 55.1 ft	RMW-23 01/28/2019 7.2 - 16 ft	DU-19103 01/28/2019 7.2 - 16 ft	RMW-23A 01/28/2019 50.1 - 55.1 ft	RMW-23B 01/28/2019 86.8 - 91.8 ft	RMW-23C 02/13/2019 92.8 - 97.8 ft	RMW-23D 02/13/2019 117.7 - 122.7 ft	RMW-24 02/07/2019 15.1 - 25.1 ft
Gases (ug/L)												
Methane	--	**2.7**	**1.5**	NA	NA	**26000**	**24000**	**12000**	**16000**	**13000**	NA	**24**
Ethane	--	< 0.10	< 0.10	NA	NA	**0.30**	**0.26**	**550**	**0.27**	**0.36**	NA	**0.27**
Ethene	--	**0.34**	**0.23**	NA	NA	**0.24**	**0.14**	**100**	**3.2**	**1.4**	NA	**0.33**
Volatile Organic Compounds (mg/L)												
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	< 0.0050	< 0.10	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.050	< 0.0050	< 0.0050	< 0.010	< 0.0010
1,1-Dichloroethane	--	< 0.0050	< 0.10	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.050	< 0.0050	< 0.0050	< 0.010	< 0.0010
1,1-Dichloroethene	0.007	< 0.0050	< 0.10	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.050	< 0.0050	< 0.0050	< 0.010	< 0.0010
1,2-Dichlorobenzene	0.6	< 0.0050	< 0.10	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.050	< 0.0050	< 0.0050	< 0.010	**0.0063**
1,2-Dichloroethane	0.005	< 0.0050	< 0.10	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.050	< 0.0050	< 0.0050	< 0.010	**0.0023**
1,4-Dichlorobenzene	0.075	< 0.0050	< 0.10	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.050	< 0.0050	< 0.0050	< 0.010	**0.00089 J**
2-Butanone (MEK)	--	< 0.050	< 1.0	< 0.010	< 0.050	**0.0023 J**	**0.0021 J**	< 0.50	< 0.050	**0.12**	< 0.10	< 0.010
Acetone	--	< 0.10	< 2.0	< 0.020	< 0.10	**0.0062 J**	**0.0039 J**	< 1.0	< 0.10	**0.031 J**	< 0.20	**0.024**
Benzene	0.005	< 0.0050	< 0.10	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.050	< 0.0050	< 0.0050	< 0.010	**0.036**
Carbon disulfide	--	< 0.0050	< 0.10	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.050	< 0.0050	< 0.0050	< 0.010	< 0.0010
Carbon tetrachloride	0.005	< 0.0050	< 0.10	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.050	< 0.0050	< 0.0050	< 0.010	< 0.0010
Chlorobenzene	0.1	< 0.0050	< 0.10	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.050	< 0.0050	< 0.0050	< 0.010	**0.0019**
Chloroform	0.08[2]	< 0.0050	< 0.10	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.050	< 0.0050	< 0.0050	< 0.010	**0.0013**
cis-1,2-Dichloroethene	0.07	**0.0026 J**	< 0.10	**0.0037**	< 0.0050	**0.0095**	**0.0090**	**2.6**	**0.41**	**0.69**	< 0.010	< 0.0010
Cyclohexane	--	< 0.0050	< 0.10	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.050	< 0.0050	< 0.0050	< 0.010	**0.07**
Ethylbenzene	0.7	< 0.0050	< 0.10	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.050	< 0.0050	< 0.0050	< 0.010	**0.028**
Isopropylbenzene	--	< 0.0050	< 0.10	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.050	< 0.0050	< 0.0050	< 0.010	**0.051**
Methyl acetate	--	< 0.0050	< 0.10	< 0.0010	< 0.0050	**0.0012**	**0.00087 J**	< 0.050	< 0.0050	< 0.0050	< 0.010	< 0.0010
Methylcyclohexane	--	< 0.025	< 0.50	< 0.0050	< 0.025	< 0.0050	< 0.0050	< 0.25	< 0.025	< 0.025	< 0.050	**0.022**
Styrene	0.1	< 0.0050	< 0.10	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.050	< 0.0050	< 0.0050	< 0.010	**0.0039**
Tetrachloroethene	0.005	**0.36**	**6.1**	**0.077**	**0.41**	**0.0056**	**0.0050**	**0.024 J**	**0.078**	**0.07**	**0.79**	**0.00067 J**
Toluene	1	< 0.0050	< 0.10	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.050	< 0.0050	< 0.0050	< 0.010	**0.033**
Trichloroethene	0.005	**0.0035 J**	< 0.10	**0.00079 J**	< 0.0050	**0.0013**	**0.0013**	< 0.050	< 0.0050	< 0.0050	< 0.010	**0.00064 J**
Trichlorofluoromethane	--	< 0.0050	< 0.10	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.050	< 0.0050	< 0.0050	< 0.010	< 0.0010
Vinyl chloride	0.002	< 0.0050	< 0.10	< 0.0010	< 0.0050	< 0.0010	< 0.0010	**0.026 J**	**0.0026 J**	**0.0088**	< 0.010	< 0.0010
Xylenes, total	10	< 0.0050	< 0.10	**0.0012**	< 0.0050	< 0.0010	< 0.0010	< 0.050	< 0.0050	< 0.0050	< 0.010	**0.063**
General Chemistry (mg/L)												
Bromide	--	**0.25**	**0.65**	NA	NA	**0.15 J**	**0.16 J**	**0.25**	**0.15 J**	**0.13 J**	NA	**0.66**
Chloride	--	**20**	**190**	NA	NA	**7.6**	**8.0**	**7.3**	**4.9**	**2.9**	NA	**120**
Nitrate as N	10	**6.4**	**7.1**	NA	NA	**0.015 J**	**0.018 J**	**0.12**	**0.51**	**0.61**	NA	**0.70**
Sulfate	--	**21 J**	**120**	NA	NA	**49**	**39**	< 1.0	**0.53 J**	**1.0**	NA	**72**
Field Parameters												
pH, Field (su)	--	**4.87**	**4.96**	**4.82**	**5.95**	**6.89**	NA	**7.22**	**7.18**	**6.72**	**6.74**	**6.55**
Temperature, Field (°C)	--	**20.65**	**18.1**	**18.12**	**18.1**	**14.98**	NA	**15.29**	**15.53**	**17.79**	**16.15**	**17.22**
Specific Conductivity, Field (uS/cm)	--	**104**	**652**	**82**	**45**	**443**	NA	**211**	**116**	**226**	**81**	**645**
Dissolved Oxygen, Field (mg/L)	--	**1.41**	**5.33**	**1.46**	**8.62**	**0**	NA	**1.06**	**0.94**	**0**	**1.86**	**0**
Oxidation Reduction Potential, Field (mV)	--	**465**	**325**	**525**	**178**	**-175**	NA	**-476**	**-132**	**-146**	**85**	**-22**
Turbidity, Field (ntu)	--	**0.67**	**0**	**1.21**	**29.9**	**43.7**	NA	**0**	NA	**13.3**	**0**	**0**
Iron, Ferrous, Field (mg/L)	--	**0**	**0**	**0**	**0.05**	**>10**	NA	**>10**	**>10**	**10**	**0**	**1**

[1] Maximum Contaminant Level; 2018 Edition of the Drinking Water Standards and Health Advisories (USEPA, 2018).

[2] The total of combined trihalomethanes (bromodichloromethane, dibromochloromethane, bromoform and chloroform) cannot exceed 0.08 mg/L.

J - Concentration detected equal to or greater than the method detection limit but less than the reporting limit.

j - Concentration considered an estimate based on data validation.

U - The analyte was not detected at or above the reporting limit.

NA - Not analyzed.

Bolding indicates constituent detection.

Shading indicates concentration exceeds comparison criteria.

Table 1
Baseline Sampling Results
WestPoint Home, Clemson, SC Facility

PARAMETER	MCL[1]	RMW-25 02/13/2019 7.9 - 17.9 ft	RMW-26 02/06/2019 14.2 - 24.2 ft	RMW-27 01/22/2019 15.3 - 25.3 ft	RMW-27 DU-19101 01/22/2019 15.3 - 25.3 ft	RMW-27A 01/22/2019 50 - 55 ft	RMW-27B 01/22/2019 91.5 - 96.5 ft	RMW-28A 02/11/2019 50.2 - 55.2 ft	RMW-28B 02/11/2019 92.8 - 97.8 ft	RMW-29 02/13/2019 15 - 25 ft
Gases (ug/L)										
Methane	--	< 0.50	**190**	**5100**	**4500**	**16000**	< 0.50	**0.54**	< 0.50	< 0.50
Ethane	--	< 0.10	< 0.10	**1.4**	**1.2**	**0.36**	< 0.10	< 0.10	< 0.10	< 0.10
Ethene	--	< 0.10	**0.59**	**1.2**	**1.1**	**0.13**	**0.27**	< 0.10	< 0.10	< 0.10
Volatile Organic Compounds (mg/L)										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	< 0.0010	< 0.0010	< 0.050	< 0.050	< 0.0010	< 0.0010	**0.00047 J**	< 0.020	< 0.0010
1,1-Dichloroethane	--	< 0.0010	**0.0026**	< 0.050	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.020	< 0.0010
1,1-Dichloroethene	0.007	< 0.0010	**0.00090 J**	< 0.050	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.020	< 0.0010
1,2-Dichlorobenzene	0.6	< 0.0010	< 0.0010	< 0.050	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.020	< 0.0010
1,2-Dichloroethane	0.005	< 0.0010	< 0.0010	< 0.050	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.020	< 0.0010
1,4-Dichlorobenzene	0.075	< 0.0010	< 0.0010	< 0.050	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.020	< 0.0010
2-Butanone (MEK)	--	< 0.010	< 0.010	< 0.50	< 0.50	< 0.010	< 0.010	< 0.010	< 0.20	< 0.010
Acetone	--	< 0.020	< 0.020	< 1.0	< 1.0	**0.0027 J**	**0.0035 J**	< 0.020	< 0.40	< 0.020
Benzene	0.005	< 0.0010	**0.0060**	< 0.050	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.020	< 0.0010
Carbon disulfide	--	< 0.0010	< 0.0010	< 0.050	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.020	< 0.0010
Carbon tetrachloride	0.005	< 0.0010	< 0.0010	< 0.050	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.020	< 0.0010
Chlorobenzene	0.1	< 0.0010	< 0.0010	< 0.050	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.020	< 0.0010
Chloroform	0.08[2]	< 0.0010	< 0.0010	< 0.050	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.020	**0.00043 J**
cis-1,2-Dichloroethene	0.07	< 0.0010	**0.00072 J**	**0.029 J**	**0.03 J**	< 0.0010	**0.0012**	< 0.0010	< 0.020	< 0.0010
Cyclohexane	--	< 0.0010	< 0.0010	< 0.050	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.020	< 0.0010
Ethylbenzene	0.7	< 0.0010	< 0.0010	< 0.050	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.020	< 0.0010
Isopropylbenzene	--	< 0.0010	**0.0028**	< 0.050	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.020	< 0.0010
Methyl acetate	--	< 0.0010	< 0.0010	< 0.050	< 0.050	**0.0010**	< 0.0010	< 0.0010	< 0.020	< 0.0010
Methylcyclohexane	--	< 0.0050	< 0.0050	< 0.25	< 0.25	< 0.0050	< 0.0050	< 0.0050	< 0.10	< 0.0050
Styrene	0.1	< 0.0010	< 0.0010	< 0.050	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.020	< 0.0010
Tetrachloroethene	0.005	< 0.0010	**0.00074 J**	**3.6**	**3.5**	< 0.0010	**0.19**	**0.17**	**1.4**	**0.0013**
Toluene	1	< 0.0010	< 0.0010	< 0.050	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.020	< 0.0010
Trichloroethene	0.005	< 0.0010	**0.00085 J**	< 0.050	< 0.050	< 0.0010	< 0.0010	**0.00050 J**	< 0.020	< 0.0010
Trichlorofluoromethane	--	< 0.0010	< 0.0010	< 0.050	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.020	< 0.0010
Vinyl chloride	0.002	< 0.0010	**0.0014**	< 0.050	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.020	< 0.0010
Xylenes, total	10	< 0.0010	**0.00043 J**	< 0.050	< 0.050	< 0.0010	< 0.0010	< 0.0010	< 0.020	< 0.0010
General Chemistry (mg/L)										
Bromide	--	< 0.20	**0.92**	**0.38**	**0.38**	**0.098 J**	**0.095 J**	**0.17 J**	**0.11 J**	**0.10 J**
Chloride	--	**14**	**37**	**79**	**80**	**1.4**	**1.6**	**3.2**	**0.98 J**	**4.1**
Nitrate as N	10	**0.71**	**2.2**	**4.2**	**3.9**	**0.0080 J**	**1.5**	**3.5**	**1.1**	**2.3**
Sulfate	--	**15**	**19**	**110**	**110**	< 1.0	**3.7**	**3.7**	< 1.0	**0.42 J**
Field Parameters										
pH, Field (su)	--	**4.61**	**6.33**	**5.3**	NA	**6.84**	**6.79**	**5.12**	**6.59**	**4.68**
Temperature, Field (°C)	--	**18.68**	**19.66**	**17.25**	NA	**18.04**	**18.59**	**16.05**	**17.74**	**16.39**
Specific Conductivity, Field (uS/cm)	--	**58**	**260**	**382**	NA	**240**	**77**	**54**	**55**	**28**
Dissolved Oxygen, Field (mg/L)	--	**4.15**	**0**	**4.8**	NA	**4.64**	**6.49**	**1.9**	**0.085**	**6.31**
Oxidation Reduction Potential, Field (mV)	--	**373**	**198**	**131**	NA	**-144**	**-36**	**157**	**124**	**321**
Turbidity, Field (ntu)	--	**1.11**	**83.3**	**0**	NA	**0**	**0**	**0**	**0**	**2.74**
Iron, Ferrous, Field (mg/L)	--	**0**	**0**	**0.4**	NA	**>10**	**0.2**	**0.8**	**0**	**0**

[1] Maximum Contaminant Level: 2018 Edition of the Drinking Water Standards and Health Advisories (USEPA, 2018).

[2] The total of combined trihalomethanes (bromodichloromethane, dibromochloromethane, bromoform and chloroform) cannot exceed 0.08 mg/L.

J - Concentration detected equal to or greater than the method detection limit but less than the reporting limit.

j - Concentration considered an estimate based on data validation.

U - The analyte was not detected at or above the reporting limit.

NA - Not analyzed.

Bolding indicates constituent detection.

Shading indicates concentration exceeds comparison criteria.

Table 2
Microbial Enzyme Results
WestPoint Home, Clemson, SC Facility

PARAMETER	Sample Name/Date/Depth		
	RMW-18A 01/24/2019 50 - 55 ft	**RMW-20B 01/24/2019 103 - 108 ft**	**RMW-27 01/22/2019 15.3 - 25.3 ft**
Microbial Enzyme (cell/ml)			
bvcA Reductase (BVCA)	< 0.5	< 0.5	**1.40 J**
Dehalococcoides spp. (DHC)	< 0.5	< 0.5	**17.5**
tceA Reductase (TCEA)	< 0.5	< 0.5	< 3.8
Vinyl Chloride Reductase (VCR)	< 0.5	< 0.5	< 3.8

Bolding indicates constituent detection.

Depths indicate well screen interval in feet below ground surface.