QUARTERLY MONITORING REPORT NO. 16

FEBRUARY 2022 – APRIL 2022

COLONIAL PIPELINE COMPANY – BEL AIR PUMP STATION
2942 CHARLES STREET, FALLSTON, HARFORD COUNTY, MARYLAND

MDE CASE NO. 18-0459HA

PREPARED FOR:
COLONIAL PIPELINE COMPANY
1000 LAKE ST.
ALPHARETTA, GA 30009

PREPARED BY:
TRC ENVIRONMENTAL CORPORATION
1801 MARKET STREET, SUITE 1380
PHILADELPHIA, PA 19103

JUNE 2022

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ACRONYM LIST

AMSL	Above Mean Sea Level
BGS	Below Ground Surface
CDP	Census-Designated Place
COC	Contaminants of Concern
CSM	Conceptual Site Model
DNR	Department of Natural Resources
FEMA	Federal Emergency Management Agency
GWQS	Groundwater Quality Standards
HA	Hand Auger
HCHD	Harford County Health Department
HDD	Horizontal Directional Drill(ing)
IMP	Integrity Management Program
IRM	Interim Remedial Measure
L/min	Liters per Minute
LNAPL	Light Non-Aqueous Phase Liquid
LLQ	Lowest Level of Quantitation
LSD	Low Sulfur Diesel
MDE	Maryland Department of Environment
MDSPGP	Maryland State Programmatic General Permit
mg/kg	Milligram Per Kilogram
NPDWS	National Priority Drinking Water Standard
NRCS	Non-Residential Cleanup Standard
OWS	Oil/Water Separator
PID	Photoionization Detector
PPM	Part(s) Per Million
RCS	Residential Cleanup Standard
ROO	Report of Observation
ROW	Right of Way
TP	Test Pit
TPH-DRO	Total Petroleum Hydrocarbons Diesel Range Organics
TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range Organics
µg/L	Microgram Per Liter
ULSD	Ultra-Low Sulfur Diesel
USACE	United States Army Corps of Engineers
USEPA	Unites States Environmental Protection Agency
USGS	United State Geological Survey
VOC	Volatile Organic Compound
WBWR	West Branch Winters Run

1.0 INTRODUCTION

At the request of the Maryland Department of the Environment (MDE) in correspondence dated May 15, 2018 (**Appendix A**), Colonial Pipeline Company (Colonial) has conducted monthly groundwater gauging and quarterly groundwater sampling events at the Colonial Bel Air Station (the Site) in response to a release of distillate petroleum products reported on March 7, 2018 (MDE Case No. 18-0459HA). The Site is a pump (or booster) station used to modulate pressure and flow rates on the main interstate pipeline and is located at 2942 Charles Street in Fallston, Maryland (**Figure 1**). The groundwater monitoring program, as directed by MDE, initially consisted of the following activities:

- monthly gauging of on-site monitoring wells;
- quarterly sampling of the on-site monitoring well network;
- quarterly sampling of 11 nearby residential and/or supply wells on 10 properties; and
- quarterly reporting of the monitoring results.

In a letter titled *Off-Site Monitoring Frequency Reduction Approval*, dated August 12, 2020, MDE approved Colonial's request to reduce off-site sampling (**Appendix B**). Effective October 2020, off-site sampling was reduced from quarterly to annually for 10 of the 11 off-site supply wells. Due to its proximity to the Site, the well located at 2932 Charles Street remained on the quarterly sampling schedule.

This report presents well gauging and sampling information for the period February 2022 through April 2022.

1.1 Request for Modifications to Groundwater Monitoring Program

Colonial initially requested modifications to the Site monitoring program in Quarterly Monitoring Report No. 15 dated March 2022. Rationale supporting the proposed modifications is based on the duration and results of the ongoing quarterly monitoring well sampling program, monthly well gauging program, and residential well sampling program. The proposed modifications to these three (3) programs are as follows:

Monitoring Well Sampling Program

As of April 2022, 17 rounds (over four years) of quarterly groundwater monitoring well sampling have been performed since April 2018. As demonstrated in the analytical results summary tables and figures submitted to date with these reports, the concentrations of dissolved phase constituents in groundwater have diminished in response to the interim remedial measures (IRM) during the course of the monitoring program. The monitoring program also indicates that the dissolved phase plume is no longer expanding. Light non-aqueous phase liquid (LNAPL) has never been detected in any monitoring well installed for the groundwater monitoring program.

Based on these conditions, Colonial requests that the monitoring well sampling program be modified. Based on their location and historical analytical results, Colonial proposes annual sampling of monitoring wells MW-1, -3, -7, and -8 in the month of April. Along with other interior wells, the sampling of downgradient sentinel wells MW-6, -9, -13, -14, -15, -16, and -17 would continue on a semi-annual basis. In order to avoid harsh winter conditions which can make sampling some of the wells difficult, semi-annual sampling is proposed to be performed in April and October (both being months in which quarterly events

are currently performed), beginning October 2022. This schedule allows for sampling during approximate seasonal high and low water tables.

Monthly Well Gauging Program

To date, 48 monthly monitoring well gauging events have been performed over the four (4) years since April 2018. This quantity of data collected over this period of time is sufficient to understand seasonal fluctuations, storm event influences, and the record cumulative precipitation recorded in 2018 on the groundwater regime and to understand groundwater flow direction and variability. In addition, no LNAPL has ever been detected during the gauging program in any of these monitoring wells.

Based on the quantity of gauging data collected to date and the detailed understanding of groundwater conditions it has provided, Colonial proposes to modify the monitoring well gauging program so that future gauging coincides with the proposed semi-annual monitoring well sampling events. Gauging will be performed in the site-wide monitoring well network.

Residential Well Sampling Program

Following the April 2020 quarterly sampling event, the frequency of sampling at the residential wells, except for the 2932 Charles Street well, was modified from quarterly to annually. As of April 2022, the 2932 Charles Street well has been on the quarterly sampling schedule for an additional two (2) years (eight [8] quarterly rounds) of sampling (although the occupants of 2932 Charles Street were unresponsive to FedEx delivered letter and subsequent email requests to sample their well and were unresponsive to separate personal visits to their home by field sampling team personnel related to the April 2022 sampling event).

Analytical results from the almost four (4) years of quarterly sampling at the 2932 Charles Street well have been non-detect since the initial sampling event in April 2018.

Based on the decreasing concentration trends in onsite groundwater quality, the stability of the onsite groundwater plume, and the historical analytical results of the four (4) years of quarterly samples from the 2932 Charles Street well, Colonial proposes to reduce the frequency of monitoring of the 2932 Charles Street well to semi-annually. Sampling at 2932 Charles Street would coincide with the proposed April and October onsite semi-annual programs discussed above, with the next attempt to sample in October 2022. The annual sampling of all residential wells is proposed to be performed during each October sampling event beginning October 2022.

1.2 Background

On March 7, 2018, Colonial personnel discovered LNAPL in the pipeline system valve observation access wells during a routine site inspection. The main line (Line 03) was shut down thereafter, and upstream and downstream pipeline flow block valves were closed. MDE and Harford County Health Department (HCHD) were contacted, and emergency response actions were initiated. The release was later determined to be a mix of distillate products (kerosene and diesel).

Initial Site assessment observations indicated that released LNAPL had entered the facility stormwater yard drain system and preferentially moved to the valve observation access wells, the oil/water separator

(OWS), and secondary containment (stormwater) pond. Facility containment and recovery actions were implemented that limited the spread of the release beyond these areas. The source of the release was discovered on the 20-inch alternate suction leg of the pumping station loop in the early morning of March 8, 2018.

Following the repair and response activities, subsurface investigations were initiated to characterize the extent of petroleum impacts, and interim remedial measures (IRM) were conducted to remove source contamination at the site. During additional subsurface investigation in the vicinity of the pumping loop, LNAPL was discovered in an area north of the pumping loop, referred to as the HA-3 Area. LNAPL in the HA-3 Area is attributed to a historic gasoline release and is not associated with the March 7, 2018 release.

On September 8, 2020 a release occurred at the Site on the 6-inch drain/purge line beneath the station loop near Unit 3 Pump. The response was assigned MDE Case No. 21-0104HA. Due to the vicinity of the September 2020 Unit 3 Area Release to the historic HA-3 Area (18-0459HA), ongoing remedial efforts were expanded to include both Cases. After discussion with MDE, it is Colonial's understanding that the September 2020 release will be incorporated into the historical MDE Case No. 18-0459HA. Monitoring and remediation activities will be jointly addressed in ongoing submissions.

On September 10, 2021, a small active aboveground weep of ultra-low sulfur diesel (ULSD) was observed by onsite workers from the main line block valve and the Station discharge valve. The release was immediately contained utilizing sorbents pads, sorbent booms, and pans. Colonial made the appropriate internal and agency notifications and all impacted soil was removed as confirmed by post-excavation soil samples. This release has been included in the combined case numbers for the September 2020 Unit 3 Release (21-0104HA) and the historic HA-3 Area (18-0459HA) and remediation activities were documented to the MDE in a Subsurface Investigation Report (Aboveground Valve Release) in October 2021.

To date, several rounds of subsurface investigations and remedial measures have been conducted at the site. Results of these investigations and remedial measures are presented in the *SIR* submitted to MDE in June 2018; *SIR Amendments I and II* submitted to MDE in July 2018 and October 2018, respectively; *SIR (Unit 3)* submitted to MDE in November 2020; *SIR (Unit 3) Amendment I* submitted to MDE in September 2021; and *SIR (Aboveground Valve Release)* submitted to MDE in October 2021.

1.3 Report Outline

Section 2.0 provides a description of the Site and surrounding area. **Section 3.0** describes the monthly gauging and quarterly monitoring activities and associated results. Findings, conclusions, and recommendations are presented in **Section 4.0**. References are provided in **Section 5.0**.

2.0 SITE DESCRIPTION

The 2942 Charles Street property is located within Fallston, Harford County, Maryland. The Site contains an Operations Building, an electrical substation, three (3) aboveground pipeline booster pumps (Units 1 through 3), and an aboveground pressure relief tank. In addition, the pipeline booster station includes both aboveground and underground piping, controls, and related equipment. The booster station pumps are used to move the product through the pipeline at a desired flow rate and pressure. An aerial site plan with current topography is presented in **Figure 2**, and a site plan is presented as **Figure 4**. The full site description, discussion of the geologic and hydrologic setting, and conceptual site model were previously submitted in the June 2018 SIR and associated subsequent amendments as well as summarized in previous Quarterly Monitoring Reports for periods ending April 2018, July 2018, October 2018, and January 2019.

3.0 MONTHLY AND QUARTERLY MONITORING

In the MDE "Request for Additional Monitoring and Half-Mile Well Survey" letter dated May 15, 2018, MDE requested monthly gauging and quarterly sampling (conducted in January, April, July, and October) of the initial six (6) on-site monitoring wells. Quarterly sampling of the previously active on-site water supply well, 10 off-site residential water wells, and a supply well to a commercial property were also requested.

The initial monitoring well network consisted of monitoring wells MW-1 through MW-6. The following activities have been conducted to expand the monitoring well network:

- In March 2019, five (5) monitoring wells (MW-7 through MW-11) were installed. Details of these installation activities are discussed in the *Quarterly Monitoring Report (February 2019 to April 2019)*.
- In October 2019, the on-site water supply well was converted to a deep monitoring well (MW-8D) and has been added to the monitoring well network and quarterly sampling schedule. Details of the supply well conversion is discussed in the *Quarterly Monitoring Report (August 2019 to October 2019)*.
- In December 2019, two additional monitoring wells (MW-12 and MW-13) were installed to evaluate the groundwater flow path between MW-6 and MW-9 and downgradient of the HA-3 Area. Details of these installation activities are discussed in the *Quarterly Monitoring Report (November 2019 to January 2020)*.
- In October 2020, four (4) monitoring wells (MW-14 through MW-17) were installed for downgradient delineation. Details of these installation activities are discussed in the *Quarterly Monitoring Report (August 2020 to October 2020).*

As outlined in the MDE-approved December 2018 *Groundwater Corrective Action Plan* (December 2018 CAP), MW-5 has been converted to a recovery well (RW-5) and incorporated in the recovery well network for the groundwater extraction pilot test program. This well is no longer part of the quarterly monitoring events and is being sampled, as necessary, to evaluate the progress of the groundwater extraction pilot test program. Groundwater results at RW-5 are discussed in the *2022 Groundwater Corrective Action Plan* which will be submitted to the MDE under a separate cover.

3.1 Monthly Gauging

Monthly gauging of on-site monitoring wells was conducted in February, March, and April 2022. Fluid levels were measured using an oil/water interface probe. Consistent with previous gauging events, LNAPL was not detected in the on-site monitoring wells during this quarterly monitoring period. Year to date gauging results from April 2021 to April 2022 are summarized on **Table 1** and historic gauging results since April 2018 are included as **Appendix C**.

The water level measurements included in **Table 1** were used to construct the potentiometric surface maps included as **Figures 5**, **6**, and **7**. The potentiometric contour lines indicate groundwater across the Site generally flows to the east/northeast with a small area with flow to the southeast. Water level elevations at MW-17 suggest that the pond is a recharge feature, which locally mounds groundwater and results in a localized area of radial flow from the pond (e.g., toward MW-17).

3.2 Quarterly Groundwater Sampling

3.2.1 Monitoring Well Sampling

Quarterly groundwater sampling of the on-site monitoring wells was conducted on April 20 and 21, 2022. Monitoring wells were sampled via the low flow/micro-purge method. A decontaminated stainless-steel low-flow submersible pump and disposable polyethylene tubing were used to sample groundwater. Field sampling personnel maintained a purge rate in a range of 0.1 to 0.5 liters per minute (L/min) without exceeding the well discharge rate. Utilizing a multi-parameter water quality meter, field personnel monitored and recorded the pH, conductivity, temperature, dissolved oxygen, oxidation-reduction potential, and turbidity at set 5-minute intervals until the water quality parameters stabilized. Field parameter measurements and stabilization criteria are provided on the field sampling forms included as **Appendix D**.

Prior to purging, the condition of each well was inspected, water levels were gauged, and VOC concentration in the ambient air (background) and in the well casing were measured and recorded using a calibrated PID. Samples were collected in pre-preserved, laboratory provided bottleware and placed on ice in a cooler for storage and transport. Appropriate chain-of-custody documentation accompanied the chilled samples for analysis at the Maryland-certified laboratory, Caliber Analytical Services (Caliber) of Townson, Maryland. Groundwater samples were analyzed for TPH-DRO, TPH-GRO, and VOCs including fuel oxygenates and naphthalene. Groundwater monitoring results for contaminants of concern (COCs) from quarterly sampling events from April 2018 through April 2022 are presented in **Table 2** and **Figure 8**. Complete tabulated results including all analyzed compounds are provided in **Appendix E**. The laboratory analytical reports for the current quarter are provided in **Appendix F**. Note: Analytical results for MW-5 from April 2018 to April 2019, prior to being converted to a recovery well in May 2019, are only included in **Appendix E**.

Analytical results from this quarter's monitoring event reported the following exceedances of MDE Groundwater Quality Standards (GWQS) for Type I Aquifers:

- TPH-DRO exceeded the GWQS of 47 µg/L at wells MW-2, MW-4, and MW-12 at concentrations of 370 µg/L, 300 ug/L, and 230 µg/L, respectively. TPH-DRO was reported as non-detect in all other wells. However, as shown on **Table 2**, the lowest level of quantitation (LLQ) did not attain the GWQS for TPH-DRO.
- TPH-GRO exceeded the GWQS of 47 µg/L at only MW-2 at a concentration of 290 µg/L. TPH-GRO was reported as non-detect in all other wells. However, as shown on **Table 2**, the LLQ did not attain the GWQS for TPH-GRO.

3.2.2 Bel Air Station Private Well Sampling

As outlined in the MDE Off-Site Monitoring Frequency Reduction Approval (**Appendix B**), residential private well sampling for the April 2022 event included the 2932 Charles Street private well continuing to be sampled quarterly. However, the occupants at 2932 Charles Street did not respond to Colonial's letter or email prior to the current sampling event, nor did they answer their door during the Colonial representative's visit to their residence on April 20, 2022. The letter was sent via FedEx Priority Overnight

and delivered to the occupants on March 25, 2022. Because they had not responded to the FedEx letter notice, a follow-up email was sent to the occupants on April 19, 2022.

The sampling notification letter for the one residence (2932 Charles Street) requiring sampling during the July 2022 sampling event will be provided to the property owner by July 2022, unless MDE approval of the revised sampling schedule described in Section 1.1 is received prior to that date. As described in Section 1.1 above, the next proposed semi-annual sampling of the 2932 Charles Street private well would occur in October 2022. Also, per the proposed modifications to the sampling program discussed in Section 1.1 above, the next annual sampling event for the other nine residences will be October 2022, instead of January 2023, pending MDE approval of the revised sampling schedule.

On October 28, 2019, the Bel Air Station supply well was converted to a monitoring well (MW-8D) screened in the upper bedrock zone and is being sampled as part of the onsite monitoring well network.

4.0 Findings, Conclusions, and Recommendations

Colonial continues to remediate and monitor residual dissolved-phase COCs in groundwater at the Site. The results of post-excavation soil and groundwater investigation samples collected following the initial remedial actions, indicate that the distillate releases resulted in limited impact to groundwater. However, gasoline-related constituents from the HA-3 Area were detected in select downgradient monitoring wells at concentrations greater than the applicable MDE GWQS for Type 1 Aquifers.

As concluded in previous reports, it appears that the formerly stable mass of dissolved phase COCs in groundwater at the HA-3 Area were mobilized due to a combination of record precipitation and the ground disturbances associated with the pipeline repair and remediation since 2018. The initial ground disturbances were associated with the remediation, including shallow soil excavations and the removal of the pumping loop stormwater drainage system for remediation, initial pipeline repair, and the subsequent and fairly continuous ground disturbances related to system integrity work such as the alternate suction leg removal and corrosion control recoat of the pumping loop. Open excavations were routinely dewatered for both off-site recycling and on-site treatment and discharge in accordance with a General Permit for the Discharge of Treated Ground Water, but there was higher infiltration to the subsurface than prior to the remediation and repair activities. During these disruptions of the engineered stormwater management system, the abnormally high amounts of precipitation infiltrated the subsurface and mobilized the previously stable dissolved-phase petroleum constituents within, and hydraulically downgradient of, the HA-3 Area. The pipeline repair and recoat activities were completed in late October 2018, and the pumping loop area of the Site was restored to grade, but surface disturbances for equipment maintenance and upgrades have continued.

Additionally, the September 2020 Unit 3 Area Release of approximately 477-gallons of diesel-gasoline mixture from a gravity fed drain line has contributed to dissolved-phase concentrations in the HA-3 Area. Groundwater investigations conducted as part of the emergency response to the Unit 3 Area release (See November 2020 Unit 3 Area Release SIR), further support that the distillate release area remediated in 2018 is not contributing to the dissolved-phase groundwater plume downgradient of the HA-3 Area. Excavation for removal and replacement of the drain line further resulted in direct subsurface infiltration. The drain line replacement was completed and the area restored to grade in November 2021.

Colonial started a groundwater extraction pilot test program on April 4, 2019 that removes groundwater and vapor from the original five (5) recovery wells located between the HA-3 Area and MW-5. In October 2020, three additional recovery wells, RW-7 to RW-9, were installed in response to the Unit 3 Area Release and to expand the enhanced fluid recovery (EFR), dual-phase extraction (DPE) system. The pilot test is periodically shut down for short periods to accommodate the quarterly sampling events. Results of the pilot test and IRM will be reported in the *2022 Groundwater Corrective Action Plan* to be prepared and submitted under a separate cover.

Monthly well gauging to identify the potential presence of LNAPL (no LNAPL has been detected in any of the wells) and quarterly groundwater monitoring were implemented to assess changes in groundwater quality related to the on-going remedial actions, including soil excavation and dewatering, being conducted at the Site. The following sections summarize the findings, conclusions, and recommendations developed from data collected during the November 2021 through April 2022 quarterly monitoring period.

4.1 Findings and Conclusions – Monthly Gauging and Quarterly Monitoring

An overview of the monitoring and gauging data is provided below. As shown on **Table 2**, the LLQ did not attain the MDE GWQS for naphthalene, TPH-DRO, and TPH-GRO.

Monthly Gauging:

LNAPL has never been detected in any of the monitoring wells during any gauging event in the approximate 4 years since the program was started in April 2018. Therefore, modifications to this program are proposed as outlined in Section 1.1 above.

Quarterly Monitoring:

As shown in **Table 2**, **Figure 8**, and **Appendix E**, no detectable concentrations of COCs were reported in groundwater samples collected from 14 of the 17 monitoring wells, including MW-1, MW-3, MW-6, MW-7, MW-8, MW-8D, MW-9, MW-10, MW-11, MW-13, MW-14, MW-15, MW-16, and MW-17. Note: The laboratory data sheets identify MW-8 as MW-8S for this quarterly monitoring event.

Also as shown in **Table 2**, **Figure 8**, and **Appendix E**, all COC's have been non-detect in upgradient well MW-1 since monitoring began in April 2019 and in bedrock well MW-8D since monitoring began in January 2020. All COC's have also been non-detect in MW-16 and MW-17 since monitoring began in both wells in October 2020. With the exception of a single 2 ug/l detection of Toluene (MD GWQS is 1,000 ug/l) in July 2019, all COC's have also been non-detect in MW-9 since monitoring began in April 2019. Similarly, at well MW-15 all COC's have been non-detect since monitoring began in October 2020 except for two low-level detections of benzene at 2 ug/l (MD GWQS is 5 ug/l) in January and April 2021. Also, except for one (1) anomalous exceedance of benzene in October 2020 following initial well installation, there have been no exceedances of COC's at well MW-14.

The current and historical analytical results from downgradient wells MW-14, -15, -16, and -17 indicate that the downgradient extent of the plume has been delineated and the plume is, at a minimum, stable.

Groundwater quality at monitoring wells MW-3 and MW-7 indicate that the side-gradient extent of the plume has been delineated. The current groundwater quality and downward trends in historical constituent concentrations at wells MW-4, -6, -8, -10, -11, and -13 (to non-detect for all COC's at all 6 wells, with the exception of a 300 ug/l DRO detection at MW-4) indicate that the groundwater plume reached its maximum extent approximately mid-2020. Based on the historical groundwater analytical results, constituent concentrations in groundwater peaked at or prior to January 2020 in these 6 wells and in wells MW-2 and MW-12. The continued downward trend in constituent concentrations at all wells across the site indicates the size of the groundwater plume containing constituent concentrations above MD GWQS is contracting and that the magnitude of impact within the existing plume is diminishing, both likely as a result of source removal, natural attenuation, and the ongoing IRMs.

4.2 Recommendations

Based on the substantial improvements in onsite groundwater quality observed to date via analytical data collected over the long-term groundwater monitoring program and the lack of any impacts to offsite wells,

modifications to the groundwater monitoring program are being proposed as presented in Section 1.1 of this report.

5.0 References

TRC. 2018a. *Subsurface Investigation Report*. June 12.

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TRC. 2018d. *Groundwater Corrective Action Plan*. December 5.

TRC. 2020. *Subsurface Investigation Report*, *Unit 3 Area Release*. November 10.

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TRC. 2021b. *Subsurface Investigation Report, Aboveground Valve Release*. October 20.

TRC. 2018 – 2022. *Quarterly Monitoring Reports*.

Miller, Andrew B., Chief, Maryland Department of the Environment, to Carpenter, Stanley, Colonial Pipeline Company. 2018. *Request for Additional Monitoring and Half-Mile Well Survey, Case No. 2018-0459-HA, Colonial Pipeline – Bel Air Station*. May 15.

MDE. *Monitoring Well Installation and Pilot Test Approval*, February 26, 2019.

MDE. Report of Observation, March 11, 2019.

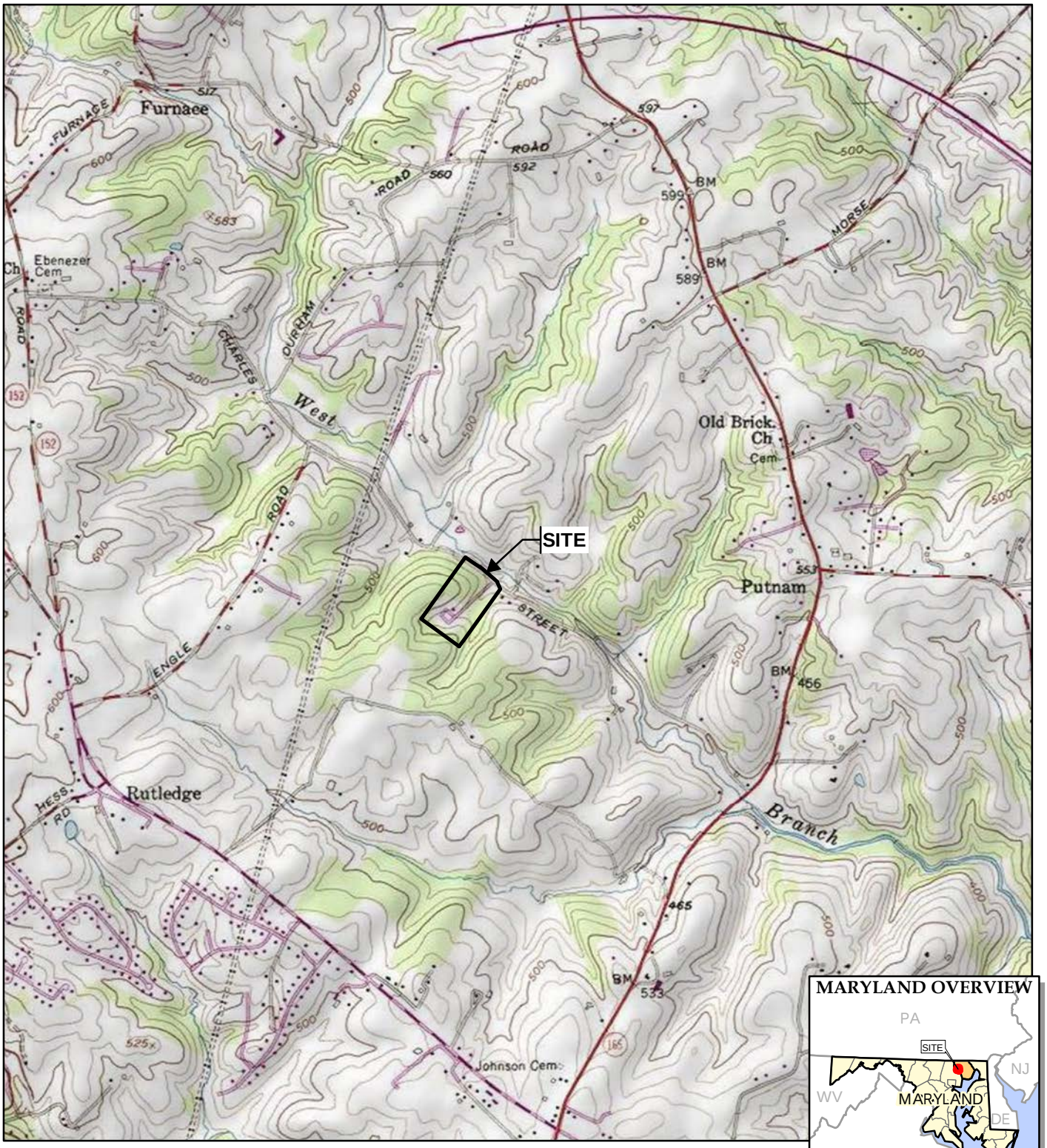
MDE. Report of Observation, April 4, 2019.

MDE. *Work Plan Approval*, November 22, 2019.

MDE. *Off-Site Monitoring Frequency Reduction Approval*, August 12, 2020.

MDE. *Work Plan Approval*, August 12, 2020.

FIGURES



BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES.

N

1 " = 2,000 '
1:24,000

0 2,000 4,000 FEET

TRC

1801 Market Street, Suite 1380
Philadelphia, PA 19103
Phone: 215.563.2122

TRC - GIS

PROJECT:

COLONIAL PIPELINE COMPANY
BEL AIR PUMP STATION
FALLSTON, HARFORD COUNTY, MARYLAND

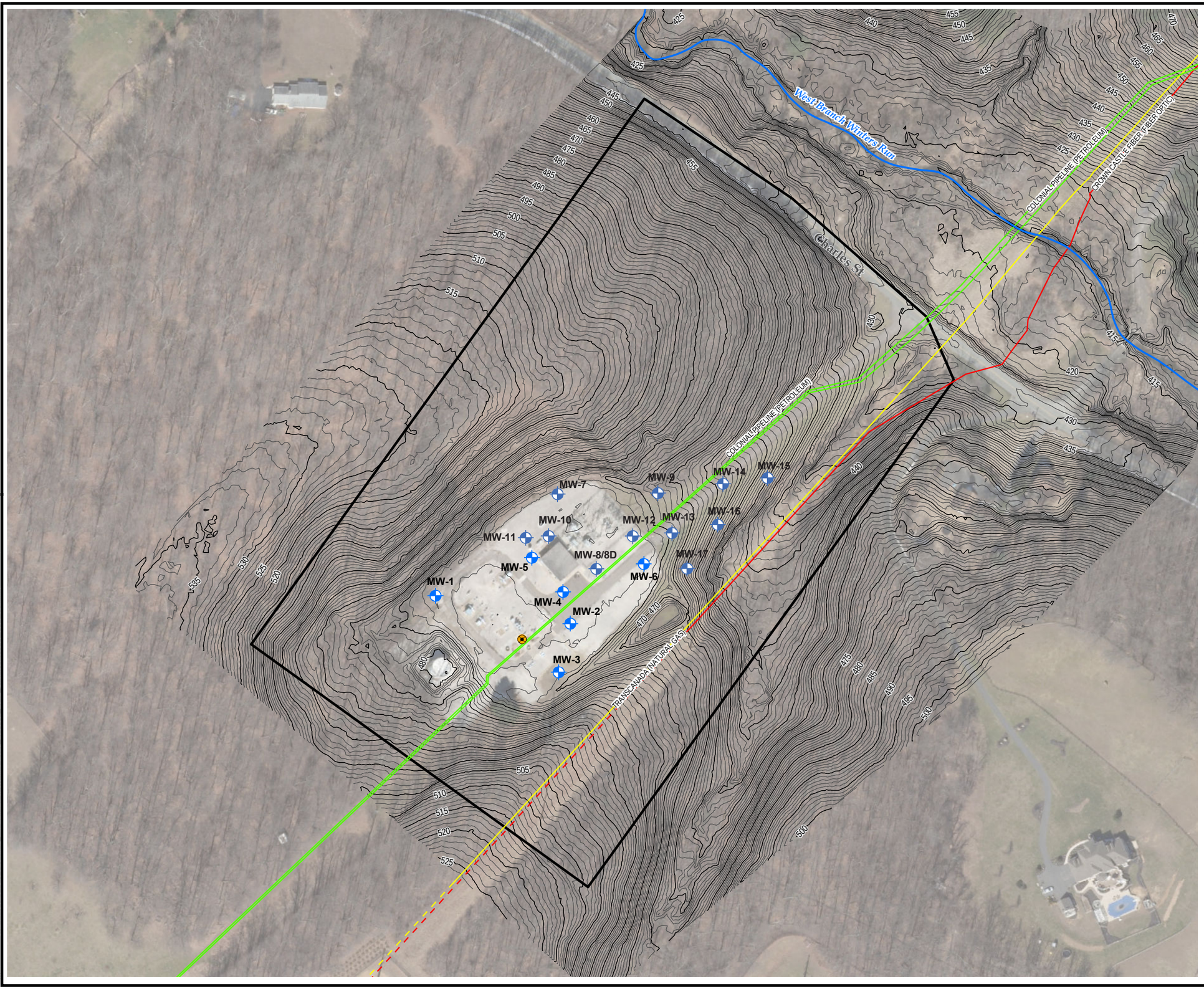
TITLE:

SITE LOCATION MAP

DRAWN BY:	M. LOVELACE
CHECKED BY:	B. HECKER
APPROVED BY:	D. CARLSON
DATE:	MAY 2018
PROJ. NO.:	299980.0000
FILE:	299980-1000-001slm.mxd

FIGURE 1

S:\1-PROJECTS\COLONIAL_PIPELINE\FallstonMD\2018_299980 _2942_Charles\299980-1000-001slm.mxd -- Saved By: MLOVELACE on 5/30/2018, 10:48:02 AM



LEGEND

- APPROXIMATE RELEASE LOCATION
- CREEK
- NATURAL GAS PIPELINE
- FIBER OPTIC CABLES
- PETROLEUM PIPELINE
- 1' MINOR CONTOUR
- 5' MAJOR CONTOUR
- PROPERTY BOUNDARY

NOTES

1. BASE MAP IMAGERY FROM MARYLAND iMAP WEB SERVICE LAYER, 2016/2017.
2. UTILITY LINE LOCATIONS ARE APPROXIMATE BASED ON SURFACE MARKINGS AND SITE OBSERVATIONS.

N

0 75 150
Feet

1 " = 150 '
1:1,800

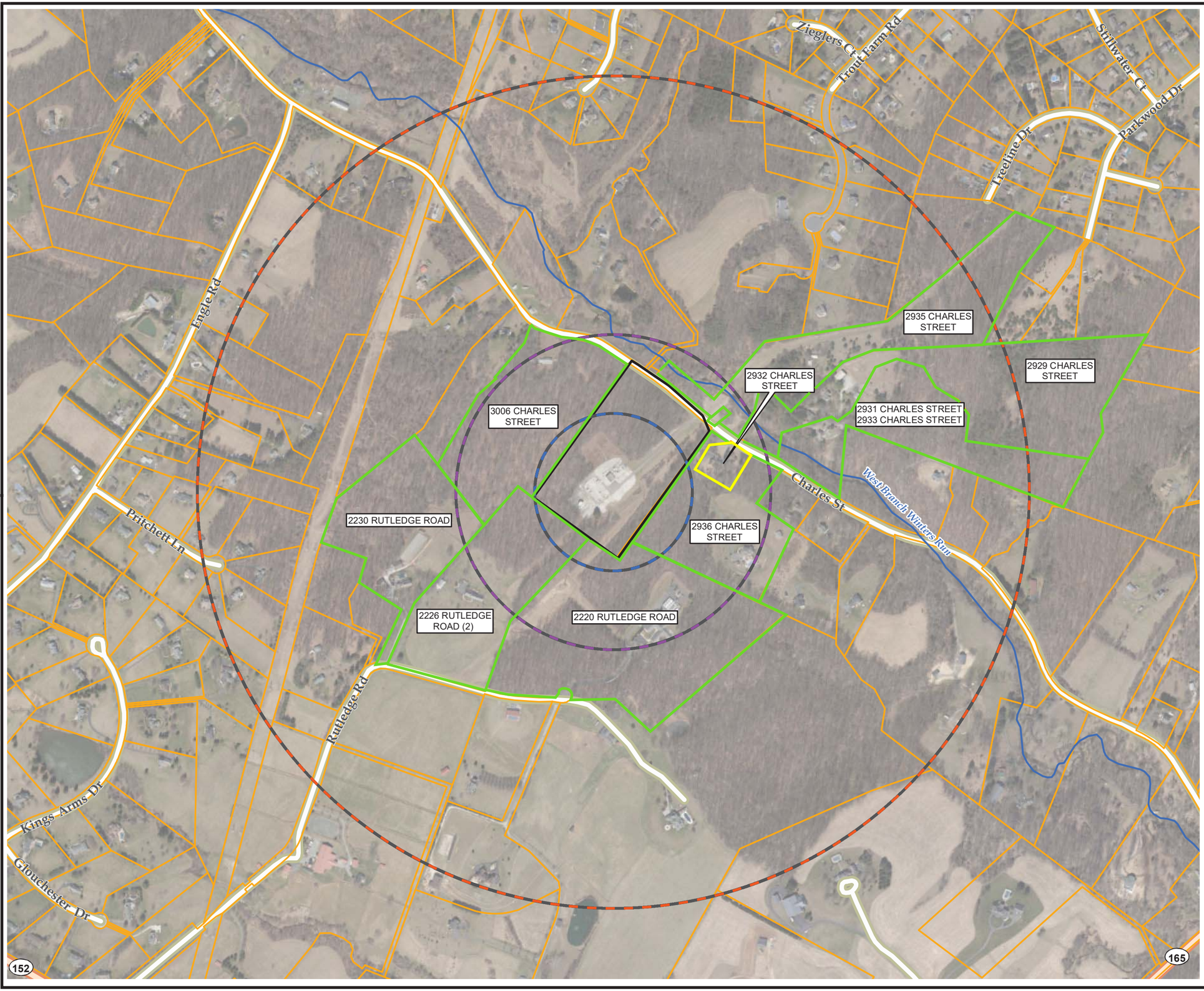
COLONIAL PIPELINE COMPANY
BEL AIR PUMP STATION
FALLSTON, HARFORD COUNTY, MARYLAND

AERIAL SITE PLAN WITH CURRENT TOPOGRAPHY

DRAWN BY:	M. LOVELACE	PROJ. NO.:	299980.0000
CHECKED BY:	B. HECKER		
APPROVED BY:	D. CARLSON		**FIGURE 2**
DATE:	JUNE 2018		

TRC
1801 Market Street, Suite 1380
Philadelphia, PA 19103
Phone: 215.563.2122

299980-0000-002.mxd



LEGEND

- CREEK
- PROPERTY BOUNDARY
- HARFORD COUNTY PARCEL BOUNDARIES
- 500' RADIUS
- 1000' RADIIUS
- HALF-MILE RADIUS
- RESIDENTIAL WELL SAMPLING LOCATION
- STREET ADDRESS
- PROPERTIES WITH ANNUAL PRIVATE WELL SAMPLING
- PROPERTY WITH QUARTERLY PRIVATE WELL SAMPLING

NOTES

1. BASE MAP IMAGERY FROM MARYLAND iMAP WEB SERVICE LAYER, 2016/2017.
2. SEE HARFORD COUNTY HEALTH DEPARTMENT RADIUS MAP IN APPENDIX B AND APPENDIX G FOR DETAIL.
3. TWO SUPPLY WELLS ARE SAMPLED AT 2226 RUTLEDGE ROAD

N

0 300 600 Feet

1 " = 600 '

1:7,200

COLONIAL PIPELINE COMPANY
BEL AIR PUMP STATION
FALLSTON, HARFORD COUNTY, MARYLAND

SURROUNDING PROPERTIES MAP

DRAWN BY:	M. LOVELACE	PROJ. NO.:	299980.0000
CHECKED BY:	D. KUDLA		
APPROVED BY:	D. CARLSON		FIGURE 3
DATE:	MARCH 2020		

TRC
1801 Market Street, Suite 1380
Philadelphia, PA 19103
Phone: 215.563.2122

299980-0000-004.mxd

TRC - GIS
Coordinate System: NAD 1983 StatePlane Maryland FIPS 1900 Feet (Foot US)
Map Rotation: 0
Plot Date: 6/11/2018, 15:22:08 PM by RSUEMNICHT -- LAYOUT: ANSI B(11"x17")
Path: S:\11-PROJECTS\COLONIAL_PIPELINE\Fallston\MD\2018_299980_2942_Charles\299980-0000-004.mxd

490
485
480

ELECTRIC BOX
MW-1 (GP-5)
RW-2
RW-3
RW-8
RW-9
RW-1
RW-4
MW-11
COMMUNICATIONS DISH
MW-10
MW-7
CONC PAD
PUMP 2
PUMP 3
PUMP 1
SHUTOFF VALVE
VALVE
24" CCP
36" CCP
DRAIN LINE 10" CCP
RW-6
RW-5
RW-7
LOOP ROAD
PUMP STATION OPERATIONS BUILDING
ELECTRIC SERVICE SUBSTATION
48" AW LID
VERTICAL TANKS (3)
MW-4 (GP-4)
PARKING
MW-8D
MW-8
MW-12
MW-9
18" VALVE
60" CCP
30" LINE 03
8" LINE 36
ENTRY ROAD
MW-2 (GP-7)
MW-13
MW-14
MW-6
ACCESS PANEL
UTIL BOX
PUMP
SUMP
UNDERGROUND OIL / WATER SEPARATOR
MW-3 (GP-10)
OIL / WATER SEPARATOR OUTFALL
STORMWATER / OIL/WATER SEPARATOR SWALE
STORMWATER RETENTION POND
MW-16
MW-15
MW-17

LEGEND

GP-8	GEOPROBE BORING
MW-5	MONITORING WELL
RW-2	RECOVERY WELL
HA-9	HAND AUGER BORING
	LIGHT POST
	HYDRANT
x	FENCE
or	OVERHEAD ELECTRIC LINE
G	UNDERGROUND GAS LINE

NOTES:

1. LOCATION OF STORMWATER SWALE AND STORMWATER RETENTION POND ARE APPROXIMATE.
2. VALVE AND SHUTOFF VALVE LOCATIONS ARE SURVEYED GENERAL POINTS OF REFERENCE FOR PUMP STATION CONTROL POINTS AND PROCESS CONTROL FEATURES.

PRIVILEGED AND CONFIDENTIAL
PREPARED UNDER THE
DIRECTION OF COUNSEL

0 20 40
SCALE IN FEET

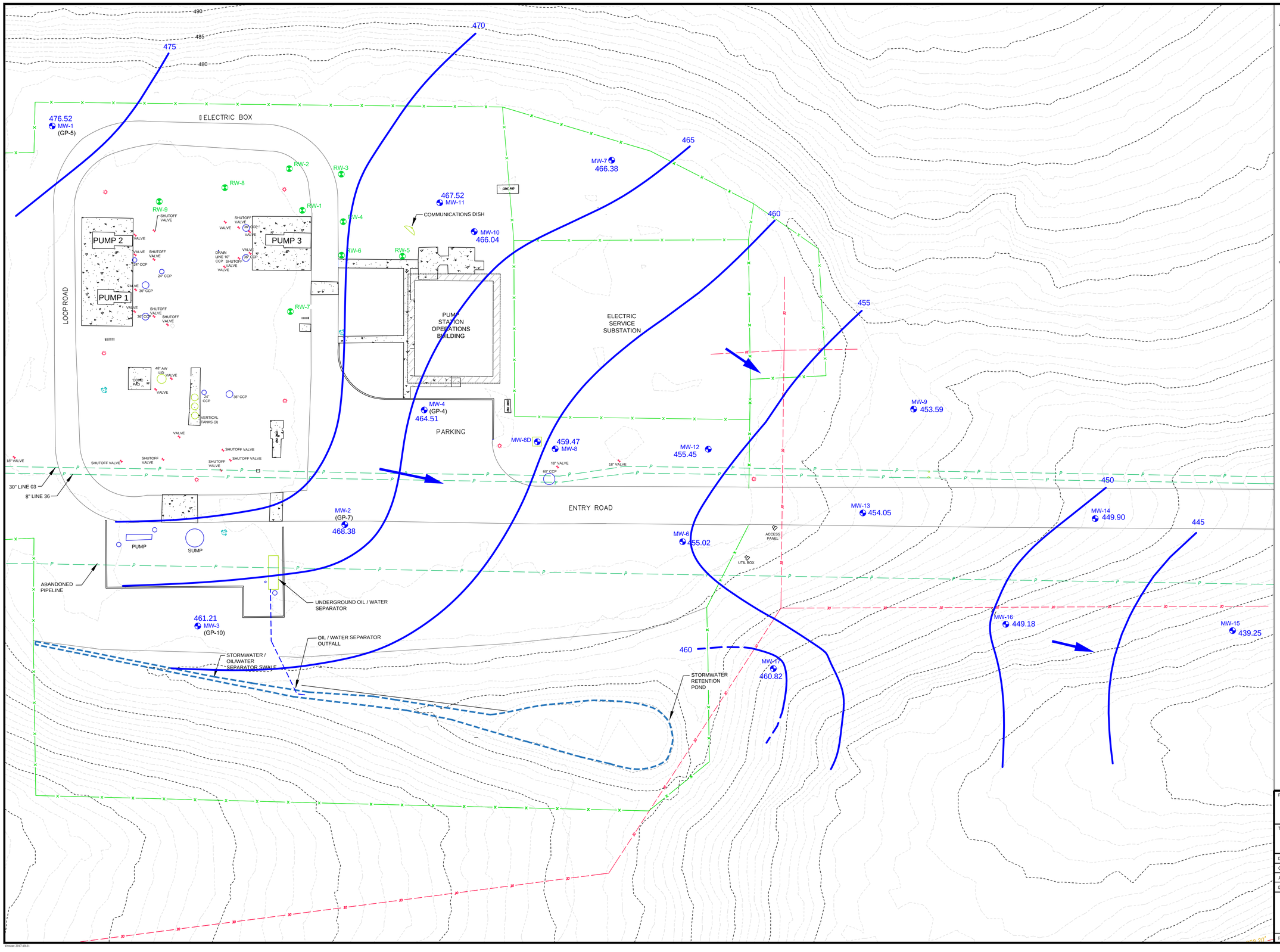
PROJECT:
COLONIAL PIPELINE COMPANY
BEL AIR PUMP STATION
FALLSTON, HARFORD COUNTY, MARYLAND

TITLE:
SITE PLAN

DRAWN BY:	D.KUDLA	PROJ. NO.:	299980.0000.0000
CHECKED BY:	D.KUDLA		FIGURE 4
APPROVED BY:	D.CARLSON		
DATE:	DECEMBER 2020		

TRC
1801 Market Street
Suite 1380
Philadelphia, PA 19103
Phone: 215.563.2122

FILE NO.: 299980_QMR.DWG



LEGEND

MW-5	MONITORING WELL
RW-2	RECOVERY WELL
	LIGHT POST
	HYDRANT
x	FENCE
OE	OVERHEAD ELECTRIC LINE
P	UNDERGROUND PETROLEUM LINE
	GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
	INFERRED GROUNDWATER FLOW DIRECTION

NM - NOT MEASURED

GROUNDWATER ELEVATION SHOWN IN FEET ABOVE MEAN SEA LEVEL (FT AMSL)

NOTES:

1. LOCATION OF STORMWATER SWALE AND STORMWATER RETENTION POND ARE APPROXIMATE.
2. VALVE AND SHUTOFF VALVE LOCATIONS ARE SURVEYED GENERAL POINTS OF REFERENCE FOR PUMP STATION CONTROL POINTS AND PROCESS CONTROL FEATURES.
3. WATER LEVEL DATA FROM BEDROCK WELL MW-8D IS NOT USED IN GROUNDWATER FLOW ASSESSMENT

0 20 40
SCALE IN FEET

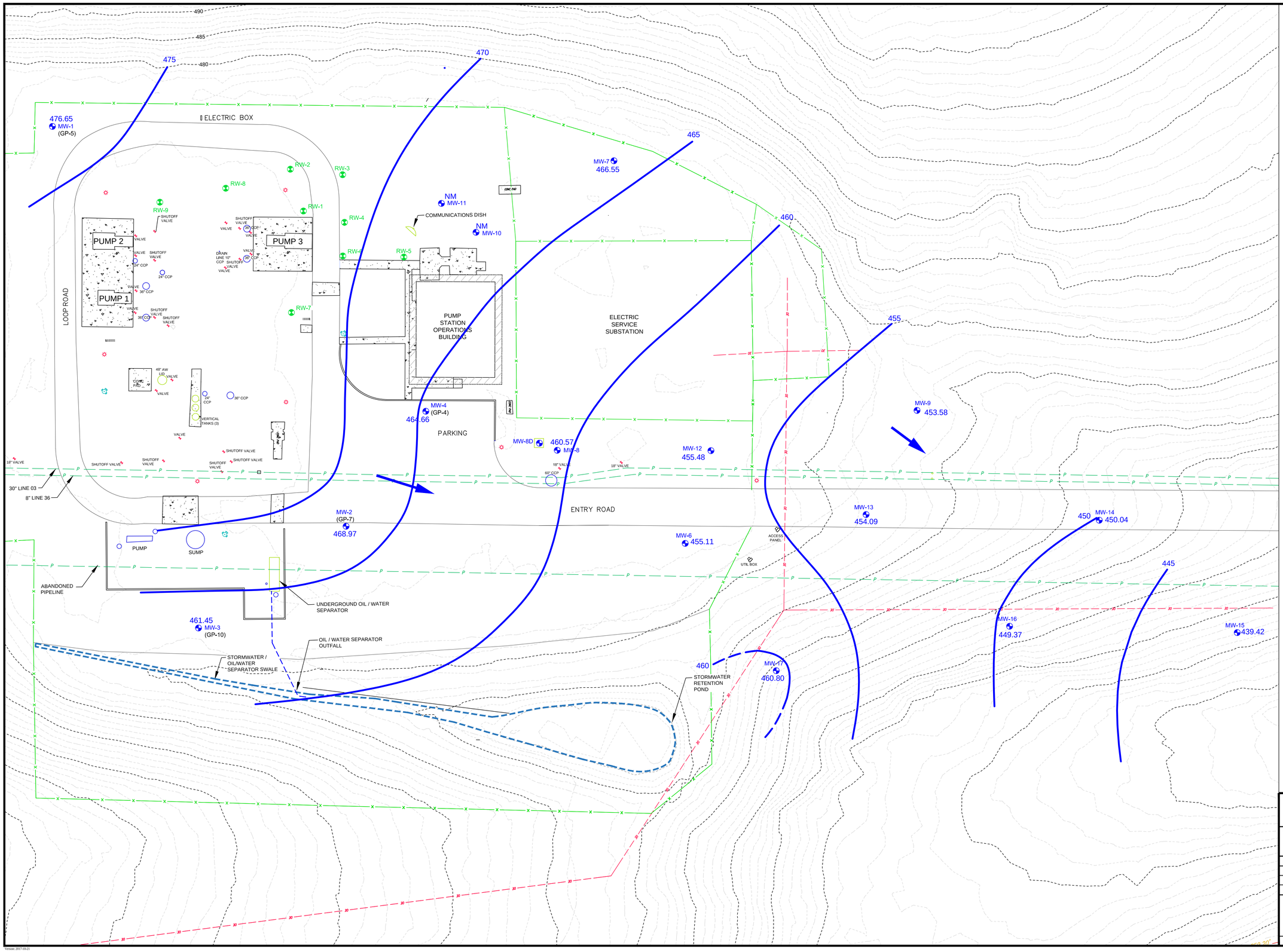
PROJECT:
COLONIAL PIPELINE COMPANY
BEL AIR PUMP STATION
FALLSTON, HARFORD COUNTY, MARYLAND

TITLE:
GROUNDWATER POTENTIOMETRIC MAP
FEBRUARY 2022

DRAWN BY:	L.BOCHKIS	PROJ. NO.:	486077.0000.0000
CHECKED BY:	G.RANDALL		**FIGURE 5**
APPROVED BY:	D.CARLSON		
DATE:	MAY 2022		

TRC
1801 Market Street
Suite 1380
Philadelphia, PA 19103
Phone: 215.563.2122

FILE NO.: 299980_QMR.DWG



LEGEND

MW-5	MONITORING WELL
RW-2	RECOVERY WELL
	LIGHT POST
	HYDRANT
x	FENCE
OE	OVERHEAD ELECTRIC LINE
P	UNDERGROUND PETROLEUM LINE
	GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
	INFERRED GROUNDWATER FLOW DIRECTION

NM - NOT MEASURED

GROUNDWATER ELEVATION SHOWN IN FEET ABOVE MEAN SEA LEVEL (FT AMSL)

NOTES:

1. LOCATION OF STORMWATER SWALE AND STORMWATER RETENTION POND ARE APPROXIMATE.
2. VALVE AND SHUTOFF VALVE LOCATIONS ARE SURVEYED GENERAL POINTS OF REFERENCE FOR PUMP STATION CONTROL POINTS AND PROCESS CONTROL FEATURES.
3. MW-10 and MW-11 WERE NOT MEASURED DUE TO POTENTIAL IMPACTS FROM VAC ACTIVITIES.
4. WATER LEVEL DATA FROM BEDROCK WELL MW-8D IS NOT USED IN GROUNDWATER FLOW ASSESSMENT

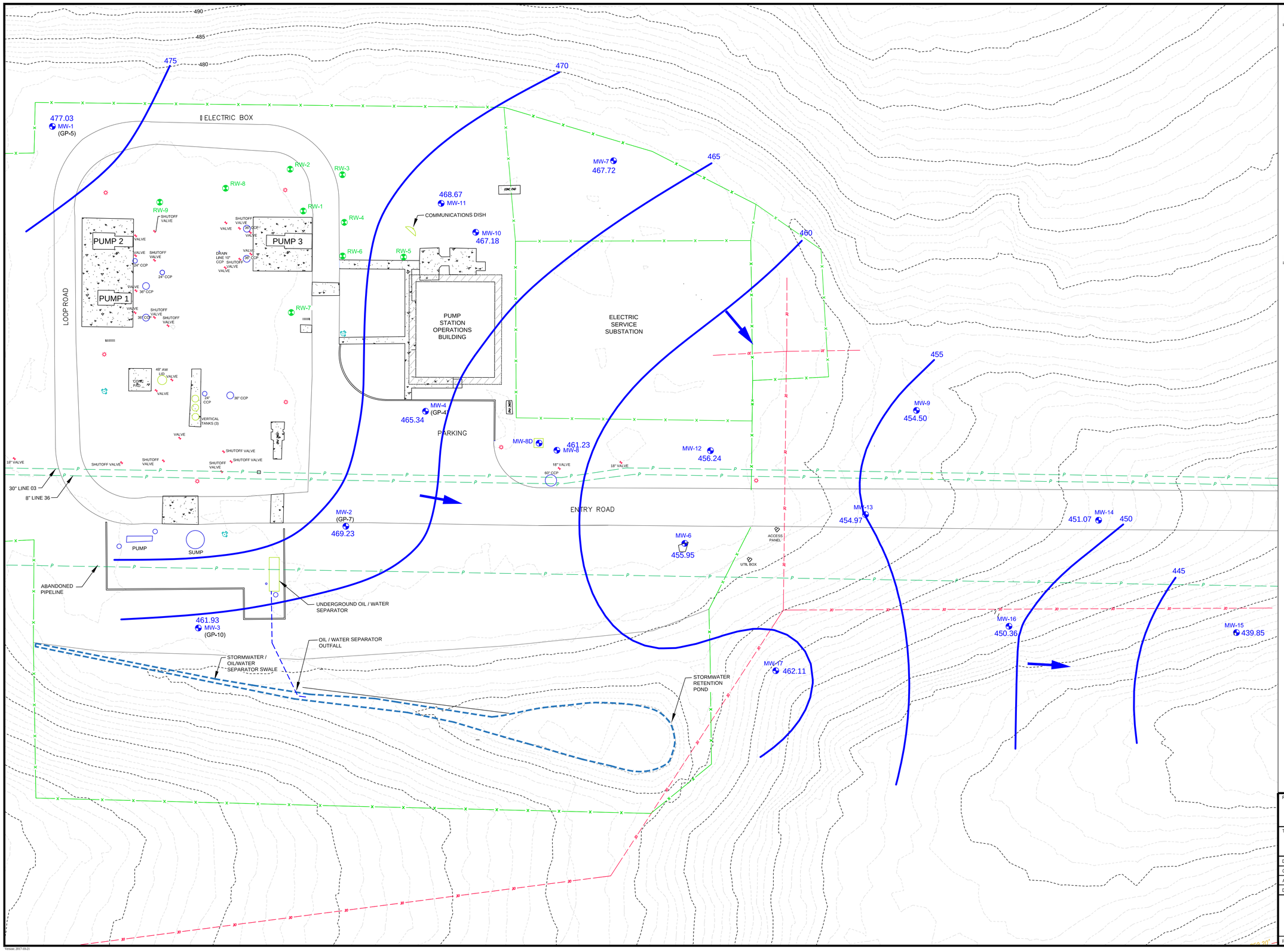
PROJECT:
COLONIAL PIPELINE COMPANY
BEL AIR PUMP STATION
FALLSTON, HARFORD COUNTY, MARYLAND

TITLE:
GROUNDWATER POTENTIOMETRIC MAP
MARCH 2022

DRAWN BY:	L.BOCHKIS	PROJ. NO.:	486077.0000.0000
CHECKED BY:	G.RANDALL		**FIGURE 6**
APPROVED BY:	D.CARLSON		
DATE:	MAY 2022		

TRC
1801 Market Street
Suite 1380
Philadelphia, PA 19103
Phone: 215.563.2122

FILE NO.: 299980_QMR.DWG



LEGEND

MW-5	MONITORING WELL
RW-2	RECOVERY WELL
	LIGHT POST
	HYDRANT
x	FENCE
OE	OVERHEAD ELECTRIC LINE
P	UNDERGROUND PETROLEUM LINE
	GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
	INFERRED GROUNDWATER FLOW DIRECTION

NM - NOT MEASURED

GROUNDWATER ELEVATION SHOWN IN FEET ABOVE MEAN SEA LEVEL (FT AMSL)

NOTES:

1. LOCATION OF STORMWATER SWALE AND STORMWATER RETENTION POND ARE APPROXIMATE.
2. VALVE AND SHUTOFF VALVE LOCATIONS ARE SURVEYED GENERAL POINTS OF REFERENCE FOR PUMP STATION CONTROL POINTS AND PROCESS CONTROL FEATURES.
3. WATER LEVEL DATA FROM BEDROCK WELL MW-8D IS NOT USED IN GROUNDWATER FLOW ASSESSMENT

0 20 40
SCALE IN FEET

PROJECT:
COLONIAL PIPELINE COMPANY
BEL AIR PUMP STATION
FALLSTON, HARFORD COUNTY, MARYLAND

TITLE:
GROUNDWATER POTENTIOMETRIC MAP
APRIL 2022

DRAWN BY:	L.BOCHKIS	PROJ. NO.:	486077.0000.0000
CHECKED BY:	G.RANDALL		**FIGURE 7**
APPROVED BY:	D.CARLSON		
DATE:	MAY 2022		

TRC
1801 Market Street
Suite 1380
Philadelphia, PA 19103
Phone: 215.563.2122

FILE NO.: 299980_QMR.DWG

MW-1	4/5/2018	7/11/2018	10/18/2018	1/11/2019	4/2/2019	7/9/2019	10/10/2019	1/6/2020	4/30/2020	7/29/2020	10/22/2020	1/21/2021	4/21/2021	7/22/2021	10/27/2021	1/21/2022	4/20/2022
Elevation	472.45	474.52	476.40	477.97	477.95	477.24	476.19	476.79	477.12	476.51	475.78	476.95	476.67	476.62	476.27	476.61	477.03
Benzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Toluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Xylenes	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MTBE	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-TMB	NA	NA	NA	NA	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4-TMB	NA	NA	NA	NA	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
TPH-DRO	ND (210)	ND (200)	ND (200)	ND (200)	ND (240)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)
TPH-GRO	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)

MW-11	4/2/2019	7/9/2019	10/9/2019	1/7/2020	4/29/2020	7/29/2020	10/21/2020	1/20/2021	4/21/2021	7/21/2021	10/27/2021	1/21/2022	4/21/2022
Elevation	472.92	470.67	467.41	468.91	469.58	468.26	466.66	469.55	470.59	469.09	466.62	467.28	468.67
Benzene	100	ND (1)	2	4	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Toluene	390	5	6	17	4	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	33	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Xylenes	650	83	10	35	6	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MTBE	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	44	ND (10)	ND (10)	18	18	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-TMB	NA	15	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4-TMB	NA	36	ND (5)	12	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
TPH-DRO	730	ND (200)	ND (200)	340	310	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (190)	ND (200)	ND (200)
TPH-GRO	3,000	1,400	1,100	1,600	1,200	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)

MW-10	4/2/2019	7/9/2019	10/9/2019	1/7/2020	4/29/2020	7/29/2020	10/21/2020	1/20/2021	4/21/2021	7/21/2021	10/27/2021	1/21/2022	4/20/2022
Elevation	472.02	469.41	466.23	467.43	468.54	467.12	465.73	468.14	469.29	469.14	465.35	465.8	467.18
Benzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND(1)	ND(1)
Toluene	3	3	ND (1)	ND (1)		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND(1)	ND(1)
Ethylbenzene	18	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND(1)	ND(1)
Xylenes	250	49	20	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND(10)	ND(10)
MTBE	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND(5)	ND(5)
Naphthalene	19	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND(10)	ND(10)
1,3,5-TMB	NA	42	ND (5)	24	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND(5)	ND(5)
1,2,4-TMB	NA	110	10	16	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND(5)	ND(5)
TPH-DRO	850	300	ND (200)	570	530	320	ND (200)	410	ND (200)	ND (200)	ND (200)	ND(190)	ND(200)
TPH-GRO	3,800	1,800	830	270	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND(200)	ND(200)

MW-7	4/3/2019	7/9/2019	10/9/2019	1/6/2020	1/23/2020	4/29/2020	7/29/2020	10/21/2020	1/20/2021	4/21/2021	7/29/2021	10/27/2021	1/21/2022	4/20/2022
Elevation	473.64	470.57	467.04	468.00	467.40	469.21	467.42	465.84	469.20	471.83	468.15	465.67	466.2	467.72
Benzene	ND (1)	ND (1)	ND (1)	5	ND(1)	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Toluene	ND (1)	ND (1)	ND (1)	ND (3)	ND (1)	7	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (1)	ND (1)	ND (1)	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Xylenes	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MTBE	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-TMB	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4-TMB	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
TPH-DRO	ND (200)	ND (210)	ND (200)	ND (210)	NA	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (220)	ND (200)
TPH-GRO	ND (200)	ND (200)	460	ND (200)	NA	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)

MW-8D	1/6/2020	4/30/2020	7/29/2020	10/22/2020	1/20/2021	4/21/2021	7/21/2021	10/27/2021	1/20/2022	4/21/2022
Elevation	460.10	460.44	459.41	458.24	460.35	461.01	460.42	458.17	458.39	459.61
Benzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Toluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Xylenes	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MTBE	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-TMB	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4-TMB	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
TPH-DRO	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)
TPH-GRO	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)

MW-8	4/2/2019	7/9/2019	10/9/2019	1/6/2020	4/29/2020	7/29/2020	10/22/2020	1/21/2021	4/22/2021	7/22/2021	10/28/2021	1/20/2022	4/21/2022
Elevation	466.33	462.99	460.53	461.25	461.89	460.56	460.11	461.90	462.50	461.91	460.22	460.16	461.23
Benzene	ND (1)	ND (1)	4	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Toluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Xylenes	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MTBE	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-TMB	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4-TMB	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
TPH-DRO	ND (200)	ND (230)	ND (240)	ND (200)	ND (200)	ND (210)	ND (200)	ND (220)	ND (200)	ND (200)	ND (210)	ND (190)	ND (190)
TPH-GRO	ND (200)	210	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)

MW-12	1/6/2020	1/23/2020	4/30/2020	7/30/2020	10/22/2020	1/21/2021	4/22/2021	7/22/2021	10/28/2021	1/21/2022	4/21/2022
Elevation	456.03	455.90	457.03	456.34	454.98	457.14	458.23	457.42	455.37	455	456.24
Benzene	6,600	4,100	900	660	200	28	12	19	4	36	3
Toluene	2,300	1,200	67	19	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (10)	ND (10)	ND (2)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Xylenes	4,500	2,500	350	70	7	7	7	ND (10)	ND (10)	ND (10)	ND (10)
MTBE	330	250	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	140	190	150	110	83	ND (10)	ND (10)	17	ND (10)	ND (10)	ND (10)
1,3,5-TMB	300	170	26	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4-TMB	1,000	680	320	110	11	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
TPH-DRO	5,100	NA	1,800	1,700	1,000	650	330	1,100	1,600	1,200	230
TPH-GRO	16,000	NA	6,700	5,400	4,200	1,600	240	710	370	330	ND(200)

MW-9	4/2/2019	7/9/2019	10/10/2019	1/6/2020	4/30/2020	7/29/2020	10/22/2020	1/20/2021	4/21/2021	7/21/2021	10/28/2021	1/20/2022	4/20/2022
Elevation	461.02	456.84	453.56	454.18	455.40	454.78	453.12	455.38	456.41	455.55	453.03	453.20	454.50
Benzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Toluene	ND (1)	2	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Xylenes	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MTBE	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-TMB	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4-TMB	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
TPH-DRO	ND (200)	ND (220)	ND (240)	ND (200)	ND (200)	ND (210)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)
TPH-GRO	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)

MW-14	10/21/2020	11/5/2020	1/21/2021	4/22/2021	7/22/2021	10/28/2021	1/21/2022	4/21/2022
Elevation	449.27	NM	451.34	452.39	451.40	449.80	449.47	451.07
Benzene	23	ND (1)	ND (1)	3	ND (1)	ND (1)	2	ND (1)
Toluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Xylenes	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MTBE	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-TMB	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4-TMB	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
TPH-DRO	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)
TPH-GRO	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)

MW-16	10/22/2020	1/20/2021	4/21/2021	7/21/2021	10/27/2021	1/21/2022	4/20/2022
Elevation	449.21	450.40	451.75	450.75	449.41	449.09	450.36
Benzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Toluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Xylenes	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MTBE	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-TMB	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4-TMB	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
TPH-DRO	ND (200)	ND (220)	ND (200)	ND (210)	ND (200)	ND (200)	ND (190)
TPH-GRO	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)

MW-15	10/21/2020	1/20/2021	4/22/2021	7/22/2021	10/28/2021	1/21/2022	4/20/2022
Elevation	438.20	439.91	440.42	439.85	439.43	439.27	439.85
Benzene	ND (1)	2	2	ND (1)	ND (1)	ND (1)	ND (1)
Toluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Xylenes	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MTBE	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-TMB	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4-TMB	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
TPH-DRO	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (190)
TPH-GRO	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)

MW-13	1/6/2020	1/23/2020	4/30/2020	7/30/2020	10/22/2020	1/21/2021	4/22/2021	7/22/2021	10/28/2021	1/21/2022	4/21/2022
Elevation	454.60	454.45	455.77	454.96	453.69	455.76	456.86	456.04	454.07	453.67	454.97
Benzene	530	330	78	73	36	3	ND (1)	3	5	ND (1)	ND (1)
Toluene	4	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Xylenes	22	15	6	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MTBE	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	31	33	13	11	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-TMB	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4-TMB	19	12	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
TPH-DRO	410	NA	280	390	ND (200)	ND (200)	200	ND (210)	ND (200)	ND (210)	ND (200)
TPH-GRO	1,700	NA	540	400	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)

MW-17	10/21/2020	1/20/2021	4/21/2021	7/21/2021	10/27/2021	1/21/2022	4/20/2022
Elevation	459.58	461.04	461.41	460.57	460.99	461.21	462.11
Benzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Toluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Xylenes	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MTBE	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-TMB	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4-TMB	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
TPH-DRO	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)
TPH-GRO	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)

MW-4	4/5/2018	7/11/2018	10/19/2018	1/11/2019	4/3/2019	7/10/2019	10/9/2019	1/6/2020	4/29/2020	7/29/2020	10/21/2020	1/20/2021	4/21/2021	7/21/2021	10/27/2021	1/20/2022	4/20/2022
Elevation	461.64	464.23	465.96	470.45	470.17	467.34	464.75	465.50	466.05	465.14	464.14	465.89	465.99	465.58	464.17	464.35	465.34
Benzene	ND (1)	ND (1)	ND (1)	19	16	27	4	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Toluene	ND (1)	ND (1)	ND (1)	3	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Xylenes	ND (10)	ND (10)	ND (10)	51	18	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MTBE	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-TMB	NA	NA	NA	NA	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4-TMB	NA	NA	NA	NA	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
TPH-DRO	220	240	340	ND (220)	ND (200)	ND (200)	ND (240)	ND (240)	240	ND (200)	ND (200)	300	ND (200)	ND (200)	ND (200)	ND (190)	300
TPH-GRO	ND (200)	ND (200)	ND (200)	290	350	320	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)

MW-2	4/16/2018	7/12/2018	10/18/2018	1/11/2019	4/3/2019	7/10/2019	10/9/2019	1/6/2020	4/29/2020	7/29/2020	10/21/2020	1/20/2021	4/21/2021	7/21/2021	10/28/2021	1/21/2022	4/21/2022
Elevation	465.22	467.59	468.40	471.03	471.63	470.01	467.34	468.22	469.22	468.54	467.60	468.69	468.48	468.37	467.43	468.75	469.23
Benzene	59	83	66	44	20	13	11	16	8	6	5	3	16	12	5	2	4
Toluene	200	26	3	ND (1)	2	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	11	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Xylenes	98	95	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MTBE	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	7	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-TMB	NA	NA	NA	NA	NA	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4-TMB	NA	NA	NA	NA	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
TPH-DRO	NA	500	630	340	280	390	300	340	370	420	540	480	220	220	270	320	370
TPH-GRO	NA	2,100	760	790	1,200	550	220	270	270	ND (200)	ND (200)	ND (200)	220	ND (200)	ND (200)	ND (200)	290

MW-3	4/5/2018	7/12/2018	10/18/2018	1/11/2019	4/2/2019	7/10/2019	10/10/2019	1/6/2020	4/30/2020	7/29/2020	10/22/2020	1/21/2021	4/22/2021	7/22/2021	10/28/2021	1/21/2022	4/21/2022
Elevation	457.69	459.19	460.26	463.73	463.52	461.98	460.17	460.91	461.65	461.07	460.46	461.01	462.02	461.59	460.84	461.11	461.93
Benzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Toluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Xylenes	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MTBE	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-TMB	NA	NA	NA	NA	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4-TMB	NA	NA	NA	NA	NA	ND (5)	ND (5)	ND (5)

TABLES

TABLE 1
Monitoring Well Groundwater Elevations
April 2021 - April 2022
Colonial Pipeline Company - Bel Air Pump Station

Gauging Date	TOC Elevation	Depth to Water	Depth to Product	GW Elevation
MW-1				
4/21/2021	480.73	4.06	--	476.67
5/27/2021	480.73	4.36	--	476.37
6/24/2021	480.73	3.85	--	476.88
7/21/2021	480.73	4.11	--	476.62
8/27/2021	480.73	5.37	--	475.36
9/30/2021	480.73	5.40	--	475.33
10/27/2021	480.73	4.46	--	476.27
11/18/2021	480.73	4.16	--	476.57
12/23/2021	480.73	4.59	--	476.14
1/19/2022	480.73	4.12	--	476.61
2/24/2022	480.73	4.21	--	476.52
3/17/2022	480.73	4.08	--	476.65
4/20/2022	480.73	3.70	--	477.03
MW-4				
4/21/2021	477.15	11.16	--	465.99
5/27/2021	477.15	11.81	--	465.34
6/24/2021	477.15	11.12	--	466.03
7/21/2021	477.15	11.57	--	465.58
8/27/2021	477.15	13.00	--	464.15
9/30/2021	477.15	13.35	--	463.80
10/27/2021	477.15	12.98	--	464.17
11/18/2021	477.15	12.46	--	464.69
12/23/2021	477.15	13.22	--	463.93
1/19/2022	477.15	12.80	--	464.35
2/24/2022	477.15	12.64	--	464.51
3/17/2022	477.15	12.49	--	464.66
4/20/2022	477.15	11.81	--	465.34
MW-8				
4/21/2021	477.27	14.77	--	462.50
5/27/2021	477.27	15.37	--	461.90
6/24/2021	477.27	15.04	--	462.23
7/21/2021	477.27	15.36	--	461.91
8/27/2021	477.27	16.49	--	460.78
9/30/2021	477.27	16.77	--	460.50
10/27/2021	477.27	17.05	--	460.22
11/18/2021	477.27	16.6	--	460.67
12/23/2021	477.27	17.31	--	459.96
1/19/2022	477.27	17.11	--	460.16
2/24/2022	477.27	17.80	--	459.47
3/17/2022	477.27	16.70	--	460.57
4/20/2022	477.27	16.04	--	461.23
MW-10				
4/21/2021	476.84	7.55	--	469.29
5/27/2021	476.84	7.95	--	468.89
6/24/2021	476.84	8.21	--	468.63
7/21/2021	476.84	7.70	--	469.14
8/27/2021	476.84	10.62	--	466.22
9/30/2021	476.84	11.21	--	465.63
10/27/2021	476.84	11.49	--	465.35
11/18/2021	476.84	9.90	--	466.94
12/23/2021	476.84	11.59	--	465.25
2/3/2022	476.84	11.04	--	465.80
2/24/2022	476.84	10.80	--	466.04
3/17/2022	476.84	NM	NM	NM
4/20/2022	476.84	9.66	--	467.18
MW-13				
4/21/2021	473.19	16.33	--	456.86
5/27/2021	473.19	16.80	--	456.39
6/24/2021	473.19	16.81	--	456.38
7/21/2021	473.19	17.15	--	456.04
8/27/2021	473.19	18.29	--	454.90
9/30/2021	473.19	18.31	--	454.88
10/27/2021	473.19	19.12	--	454.07
11/18/2021	473.19	18.9	--	454.29
12/23/2021	473.19	19.69	--	453.50
1/19/2022	473.19	19.52	--	453.67
2/24/2022	473.19	19.14	--	454.05
3/17/2022	473.19	19.10	--	454.09
4/20/2022	473.19	18.22	--	454.97
MW-16				
4/21/2021	461.53	9.78	--	451.75
5/27/2021	461.53	10.28	--	451.25
6/24/2021	461.53	10.89	--	450.64
7/21/2021	461.53	10.78	--	450.75
8/27/2021	461.53	11.46	--	450.07
9/30/2021	461.53	11.50	--	450.03
10/27/2021	461.53	12.12	--	449.41
11/18/2021	461.53	12.19	--	449.34
12/23/2021	461.53	13.07	--	448.46
1/19/2022	461.53	12.44	--	449.09
2/24/2022	461.53	12.35	--	449.18
3/17/2022	461.53	12.16	--	449.37
4/20/2022	461.53	11.17	--	450.36

Gauging Date	TOC Elevation	Depth to Water	Depth to Product	GW Elevation
MW-2				
4/21/2021	478.20	9.72	--	468.48
5/27/2021	478.20	NM	NM	NM
6/24/2021	478.20	9.76	--	468.44
7/21/2021	478.20	9.83	--	468.37
8/27/2021	478.20	10.89	--	467.31
9/30/2021	478.20	NM	NM	NM
10/27/2021	478.20	10.87	--	467.33
11/18/2021	478.20	NM	NM	NM
12/23/2021	478.20	NM	NM	NM
1/19/2022	478.20	10.45	--	467.75
2/24/2022	478.20	9.82	--	468.38
3/17/2022	478.20	9.23	--	468.97
4/20/2022	478.20	8.97	--	469.23
MW-6				
4/21/2021	480.62	22.80	--	457.82
5/27/2021	480.62	23.38	--	457.24
6/24/2021	480.62	23.38	--	457.24
7/21/2021	480.62	23.70	--	456.92
8/27/2021	480.62	24.83	--	455.79
9/30/2021	480.62	25.00	--	455.62
10/27/2021	480.62	25.61	--	455.01
11/18/2021	480.62	25.39	--	455.23
12/23/2021	480.62	26.14	--	454.48
1/19/2022	480.62	25.97	--	454.65
2/24/2022	480.62	25.60	--	455.02
3/17/2022	480.62	25.51	--	455.11
4/20/2022	480.62	24.67	--	455.95
MW-8D				
4/21/2021	479.84	18.83	--	461.01
5/27/2021	479.84	19.24	--	460.60
6/24/2021	479.84	19.05	--	460.79
7/21/2021	479.84	19.42	--	460.42
8/27/2021	479.84	20.73	--	459.11
9/30/2021	479.84	21.00	--	458.84
10/27/2021	479.84	21.37	--	458.47
11/18/2021	479.84	21.10	--	458.74
12/23/2021	479.84	21.67	--	458.17
1/19/2022	479.84	21.45	--	458.39
2/24/2022	479.84	21.13	--	458.71
3/17/2022	479.84	21.05	--	458.79
4/20/2022	479.84	20.23	--	459.61
MW-11				
4/21/2021	476.90	6.31	--	470.59
5/27/2021	476.90	7.33	--	469.57
6/24/2021	476.90	7.01	--	469.89
7/21/2021	476.90	7.81	--	469.09
8/27/2021	476.90	NM	NM	NM
9/30/2021	476.90	10.20	--	466.70
10/27/2021	476.90	10.28	--	466.62
11/18/2021	476.90	9.46	--	467.44
12/23/2021	476.90	10.40	--	466.50
1/19/2022	476.90	9.62	--	467.28
2/24/2022	476.90	9.38	--	467.52
3/17/2022	476.90	NM	NM	NM
4/20/2022	476.90	8.23	--	468.67
MW-14				
4/21/2021	463.02	10.63	--	452.39
5/27/2021	463.02	11.26	--	451.76
6/24/2021	463.02	11.49	--	451.53
7/21/2021	463.02	11.62	--	451.40
8/27/2021	463.02	12.40	--	450.62
9/30/2021	463.02	12.39	--	450.63
10/27/2021	463.02	13.22	--	449.80
11/18/2021	463.02	13.01	--	450.01
12/23/2021	463.02	13.89	--	449.13
1/19/2022	463.02	13.55	--	449.47
2/24/2022	463.02	13.12	--	449.90
3/17/2022	463.02	12.98	--	450.04
4/20/2022	463.02	11.95	--	451.07
MW-17				
4/21/2021	467.13	5.72	--	461.41
5/27/2021	467.13	6.81	--	460.32
6/24/2021	467.13	6.94	--	460.19
7/21/2021	467.13	6.56	--	460.57
8/27/2021	467.13	5.98	--	461.15
9/30/2021	467.13	5.56	--	461.57
10/27/2021	467.13	6.14	--	460.99
11/18/2021	467.13	6.00	--	461.13
12/23/2021	467.13	7.67	--	459.46
1/19/2022	467.13	5.92	--	461.21
2/24/2022	467.13	6.31	--	460.82
3/17/2022	467.13	6.33	--	460.80
4/20/2022	467.13	5.02	--	462.11

Gauging Date	TOC Elevation	Depth to Water	Depth to Product	GW Elevation
MW-3				
4/21/2021	476.86	14.84	--	462.02
5/27/2021	476.86	15.31	--	461.55
6/24/2021	476.86	15.13	--	461.73
7/21/2021	476.86	15.27	--	461.59
8/27/2021	476.86	15.89	--	460.97
9/30/2021	476.86	16.10	--	460.76
10/27/2021	476.86	16.02	--	460.84
11/18/2021	476.86	15.65	--	461.21
12/23/2021	476.86	16.23	--	460.63
1/19/2022	476.86	15.75	--	461.11
2/24/2022	476.86	15.65	--	461.21
3/17/2022	476.86	15.41	--	461.45
4/20/2022	476.86	14.93	--	461.93
MW-7				
4/21/2021	480.52	8.69	--	471.83
5/27/2021	480.52	10.25	--	470.27
6/24/2021	480.52	10.41	--	470.11
7/21/2021	480.52	NM	NM	NM
8/27/2021	480.52	13.62	--	466.90
9/30/2021	480.52	14.20	--	466.32
10/27/2021	480.52	14.85	--	465.67
11/18/2021	480.52	13.82	--	466.70
12/23/2021	480.52	14.96	--	465.56
1/19/2022	480.52	14.32	--	466.20
2/24/2022	480.52	14.14	--	466.38
3/17/2022	480.52	13.97	--	466.55
4/20/2022	480.52	12.80	--	467.72
MW-9				
4/21/2021	475.43	19.02	--	456.41
5/27/2021	475.43	19.49	--	455.94
6/24/2021	475.43	19.31	--	456.12
7/21/2021	475.43	19.88	--	455.55
8/27/2021	475.43	21.08	--	454.35
9/30/2021	475.43	21.20	--	454.23
10/27/2021	475.43	21.89	--	453.54
11/18/2021	475.43	21.71	--	453.72
12/23/2021	475.43	22.40	--	453.03
1/19/2022	475.43	22.23	--	453.20
2/24/2022	475.43	21.84	--	453.59
3/17/2022	475.43	21.85	--	453.58
4/20/2022	475.43	20.93	--	454.50
MW-12				
4/21/2021	480.38	22.15	--	458.23
5/27/2021	480.38	22.66	--	457.72
6/24/2021	480.38	22.60	--	457.78
7/21/2021	480.38	22.96	--	457.42
8/27/2021	480.38	24.64	--	455.74
9/30/2021	480.38	24.33	--	456.05
10/27/2021	480.38	25.01	--	455.37
11/18/2021	480.38	24.74	--	455.64
12/23/2021	480.38	25.46	--	454.92
1/19/2022	480.38	25.38	--	455.00
2/24/2022	480.38	24.93	--	455.45
3/17/2022	480.38	24.90	--	455.48
4/20/2022	480.38	24.14	--	456.24
MW-15				
4/21/2021	451.33	10.91	--	440.42
5/27/2021	451.33	11.23	--	440.10
6/24/2021	451.33	11.52	--	439.81
7/21/2021	451.33	11.48	--	439.85
8/27/2021	451.33	11.65	--	439.68
9/30/2021	451.33	11.70	--	439.63
10/27/2021	451.33	11.90	--	439.43
11/18/2021	451.33	12.00	--	439.33
12/23/2021	451.33	12.42	--	438.91
1/19/2022	451.33	12.06	--	439.27
2/24/2022	451.33	12.08	--	439.25
3/17/2022	451.33	11.91	--	439.42
4/20/2022	451.33	11.48	--	439.85

TOC - Top of Casing
Elevations in feet above mean sea level (amsl)
Depth measurements in feet below TOC
"--" - Not Applicable.

NM - Not measured.
MW-2 was not measured in May and September 2021 due to colocated construction work
MW-7 was not measured in July 2021 due to colocated construction work
MW-11 was not measured in August 2021 due to colocated construction work
MW-2 was not measured in November and December 2021 due to burial under frozen gravel
MW-10 was not measured in January 2022 due to a thick layer of ice in the well manhole
MW-10 & -11 were not measured in March 2022 due to potential influence of ongoing vacuum activities

TABLE 2
Groundwater Analytical Data Summary for Compounds of Concern - Monitoring Wells
April 2018 - April 2022
Colonial Pipeline Company - Bel Air Pump Station

Parameter	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,3,5-TMB	1,2,4-TMB	TPH-DRO	TPH-GRO
MDE GWQS	**5**	**1000**	**700**	**10000**	**20**	**0.17**	**6**	**5.6**	**47**	**47**
MW-1										
4/5/2018	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	ND (210)	ND (200)
7/11/2018	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	ND (200)	ND (200)
10/18/2018	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	ND (200)	ND (200)
1/11/2019	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	ND (200)	ND (200)
4/2/2019	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	ND (200)	ND (200)
7/9/2019	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (240)	ND (200)
10/10/2019	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/6/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/30/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/29/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/22/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (210)	ND (200)
4/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/22/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/27/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/21/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/20/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
MW-2										
4/16/2018	**59**	200	11	98	ND (5)	ND (10)	--	--	--	--
7/12/2018	**83**	26	5	95	ND (5)	ND (10)	--	--	**500**	**2,100**
10/18/2018	**66**	3	ND (1)	ND (10)	ND (5)	ND (10)	--	--	**630**	**760**
1/11/2019	**44**	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	**340**	**790**
4/3/2019	**20**	2	ND (1)	ND (10)	ND (5)	ND (10)	--	--	**280**	**1,200**
7/10/2019	**13**	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**390**	**550**
10/9/2019	**11**	ND (1)	ND (1)	ND (10)	7	ND (10)	ND (5)	ND (5)	**300**	**220**
1/6/2020	**16**	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**340**	**270**
4/29/2020	**8**	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**370**	**270**
7/29/2020	**6**	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**420**	ND (200)
10/21/2020	5	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**540**	ND (200)
1/20/2021	3	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**480**	ND (200)
4/21/2021	**16**	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**220**	**220**
7/21/2021	**12**	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**220**	ND (200)
10/28/2021	5	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**270**	ND (200)
1/21/2022	2	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**320**	ND (200)
4/21/2022	4	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**370**	**290**
MW-3										
4/5/2018	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	ND (200)	ND (200)
7/12/2018	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	ND (200)	ND (200)
10/18/2018	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	ND (200)	ND (200)
1/11/2019	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	**310**	ND (200)
4/2/2019	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	**900**	ND (200)
7/10/2019	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/10/2019	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/6/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/30/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/29/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/22/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (220)	ND (200)
4/22/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/22/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/28/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/21/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/21/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)

TABLE 2
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April 2018 - April 2022
Colonial Pipeline Company - Bel Air Pump Station

Parameter	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,3,5-TMB	1,2,4-TMB	TPH-DRO	TPH-GRO
MDE GWQS	5	1000	700	10000	20	0.17	6	5.6	47	47
MW-4										
4/5/2018	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	**220**	ND (200)
7/11/2018	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	**240**	ND (200)
10/19/2018	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	**340**	ND (200)
1/11/2019	**19**	ND (1)	3	51	ND (5)	ND (10)	--	--	ND (220)	**290**
4/3/2019	**16**	ND (1)	3	18	ND (5)	ND (10)	--	--	ND (200)	**350**
7/10/2019	**27**	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (220)	**320**
10/9/2019	4	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (240)	ND (200)
1/6/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (240)	ND (200)
4/29/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**240**	ND (200)
7/29/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/21/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/20/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**300**	ND (200)
4/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/27/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/20/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (190)	ND (200)
4/20/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**300**	ND (200)
MW-6										
4/6/2018	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	**210**	ND (200)
7/12/2018	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	ND (200)	ND (200)
10/18/2018	4	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	ND (200)	ND (200)
1/11/2019	2	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	ND (200)	ND (200)
4/3/2019	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	ND (200)	ND (200)
7/9/2019	**47**	ND (1)	ND (1)	16	ND (5)	ND (10)	ND (5)	ND (5)	ND (210)	**520**
10/9/2019	**36**	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (210)	**260**
1/6/2020	3	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/30/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/30/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/22/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/22/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/22/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/27/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
2/3/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (210)	ND (200)
4/21/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (210)	ND (200)
MW-7										
4/3/2019	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	ND (200)	ND (200)
7/9/2019	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (210)	ND (200)
10/9/2019	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	**460**
1/6/2020	5	3	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND(210)*	ND (200)
1/23/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND(5)	ND (5)	--	--
4/29/2020	5	7	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/29/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/21/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/20/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/29/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/27/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/21/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (220)	ND (200)
4/20/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)

TABLE 2
Groundwater Analytical Data Summary for Compounds of Concern - Monitoring Wells
April 2018 - April 2022
Colonial Pipeline Company - Bel Air Pump Station

Parameter	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,3,5-TMB	1,2,4-TMB	TPH-DRO	TPH-GRO
MDE GWQS	5	1000	700	10000	20	0.17	6	5.6	47	47
MW-8										
4/2/2019	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	ND (200)	ND (200)
7/9/2019	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (230)	**210**
10/9/2019	4	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (240)	ND (200)
1/6/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/29/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/29/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (210)	ND (200)
10/22/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (220)	ND (200)
4/22/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/22/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/28/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (210)	ND (200)
1/20/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (190)	ND (200)
4/21/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (190)	ND (200)
MW-8D										
1/6/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/29/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/29/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/21/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/20/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (210)	ND (200)
4/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/27/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/20/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (210)	ND (200)
4/21/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (190)	ND (200)
MW-9										
4/2/2019	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	--	--	ND (200)	ND (200)
7/9/2019	ND (1)	2	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (220)	ND (200)
10/10/2019	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (280)	ND (200)
1/6/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (210)	ND (200)
4/29/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/29/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (210)	ND (200)
10/22/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (210)	ND (200)
1/20/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/28/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/20/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/20/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
MW-10										
4/2/2019	ND (1)	3	18	250	ND (5)	**19**	--	--	**850**	**3,800**
7/9/2019	ND (1)	3	ND (1)	49	ND (5)	ND (10)	**42**	**110**	**300**	**1,800**
10/9/2019	ND (1)	ND (1)	ND (1)	20	ND (5)	ND (10)	ND (5)	**10**	ND (200)	**830**
1/7/2020	ND (1)	ND (1)	ND (1)	ND (5)	ND (5)	ND (10)	**24**	**16**	**570**	**270**
4/29/2020	ND (1)	3	ND (1)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	**530**	ND (200)
7/29/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**320**	ND (200)
10/21/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/20/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**410**	ND (200)
4/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/27/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
2/3/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (190)	ND (200)
4/20/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)

TABLE 2
Groundwater Analytical Data Summary for Compounds of Concern - Monitoring Wells
April 2018 - April 2022
Colonial Pipeline Company - Bel Air Pump Station

Parameter	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,3,5-TMB	1,2,4-TMB	TPH-DRO	TPH-GRO
MDE GWQS	5	1000	700	10000	20	0.17	6	5.6	47	47
MW-11										
4/2/2019	**100**	390	33	650	ND (5)	**44**	--	--	**730**	**3,000**
7/9/2019	ND (1)	5	ND (1)	83	ND (5)	ND (10)	**15**	**36**	ND (200)	**1,400**
10/9/2019	2	6	ND (1)	10	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	**1,100**
1/7/2020	4	17	ND (1)	35	ND (5)	**18**	ND (5)	**12**	**340**	**1,600**
4/29/2020	ND (1)	4	ND (1)	6	ND (5)	**18**	ND (5)	ND (5)	**310**	**1,200**
7/29/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/21/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/20/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/27/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/21/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (190)	ND (200)
4/21/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
MW-12										
1/6/2020	**6,600**	**2,300**	ND(10)	4,500	**330**	**140**	**300**	**1,000**	**5,100**	**16,000**
1/23/2020	**4,100**	**1,200**	ND(10)	2,500	**250**	**190**	**170**	**680**	--	--
4/30/2020	**900**	67	ND(2)	350	ND (10)	**150**	**26**	**320**	**1,800**	**6,700**
7/30/2020	**660**	19	ND (1)	70	ND (5)	**110**	ND (5)	**110**	**1,700**	**5,400**
10/22/2020	**200**	5	ND (1)	7	ND (5)	**83**	ND (5)	**11**	**1,000**	**4,200**
1/21/2021	**28**	ND (1)	ND (1)	7	ND (5)	ND (10)	ND (5)	ND (5)	**650**	**1,600**
4/22/2021	**12**	ND (1)	ND (1)	7	ND (5)	ND (10)	ND (5)	ND (5)	**330**	**240**
7/22/2021	**19**	ND (1)	ND (1)	7	ND (5)	**17**	ND (5)	ND (5)	**1,100**	**710**
10/28/2021	4	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**1,600**	**370**
1/21/2022	**36**	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**1,200**	**330**
4/21/2022	3	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**230**	ND (200)
MW-13										
1/6/2020	**530**	4	ND (1)	22	ND (5)	**31**	ND (5)	**19**	**410**	**1,700**
1/23/2020	**330**	ND (1)	ND (1)	15	ND (5)	**33**	ND (5)	**12**	--	--
4/30/2020	**78**	ND (1)	ND (1)	6	ND (5)	**13**	ND (5)	ND (5)	**280**	**540**
7/30/2020	**73**	ND (1)	ND (1)	ND (10)	ND (5)	**11**	ND (5)	ND (5)	**390**	**400**
10/22/2020	**36**	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/21/2021	3	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/22/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/22/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	**200**	ND (200)
10/28/2021	5	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (210)	ND (200)
1/21/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/21/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
MW-14										
10/21/2020	**23**	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
11/5/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	NA	NA
1/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/22/2021	3	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/22/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/28/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/21/2022	2	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/21/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
MW-15										
10/21/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/20/2021	2	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/22/2021	2	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/22/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/28/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/21/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/20/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (190)	ND (200)

TABLE 2
Groundwater Analytical Data Summary for Compounds of Concern - Monitoring Wells
April 2018 - April 2022
Colonial Pipeline Company - Bel Air Pump Station

Parameter	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,3,5-TMB	1,2,4-TMB	TPH-DRO	TPH-GRO
MDE GWQS	**5**	**1000**	**700**	**10000**	**20**	**0.17**	**6**	**5.6**	**47**	**47**
MW-16										
10/22/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/20/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (220)	ND (200)
4/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/27/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/20/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/20/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (190)	ND (200)
MW-17										
10/21/2020	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (210)	ND (200)
1/20/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
4/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
7/21/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
10/27/2021	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (200)	ND (200)
1/20/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (210)	ND (200)
4/20/2022	ND (1)	ND (1)	ND (1)	ND (10)	ND (5)	ND (10)	ND (5)	ND (5)	ND (190)	ND (200)

Values are reported in micrograms per liter (µg/L)
GWQS = MDE Groundwater Quality Standard for Type I Aquifers
Yellow shade indicates concentrations above the MDE GWQS
Gray shade indicates LLQ above applicable criterion.
LLQ = Lowest Level of Quantitation. Reported in parenthesis

ND = Not Detected above LLQ
-- = Not Analyzed
MTBE = Methyl Tert Butyl Ether
TMB = Trimethylbenzene
TPH-DRO = Total Petroleum Hydrocarbons-Diesel Range Organics
TPH-GRO = Total Petroleum Hydrocarbons-Gasoline Range Organics

Notes: MW-5 was converted to a recovery well (RW-5) on May 16, 2019. Analytical results from April 2018 through April 2019 are tabulated in Appendix E. MW-8 is sometimes identified as MW-8S in laboratory deliverables.

APPENDIX A

Maryland Department of Environment Request for Additional Monitoring

Maryland
Department of
the Environment

Larry Hogan, Governor
Boyd K. Rutherford, Lt. Governor

Ben Grumbles, Secretary
Horacio Tablada, Deputy Secretary

May 15, 2018

Mr. Stanley Carpenter
Colonial Pipeline Company
1089 Kings Highway
West Deptford NJ 08086

RE: REQUEST FOR ADDITIONAL MONITORING AND HALF-MILE WELL SURVEY
Case No. 2018-0459-HA
Colonial Pipeline – Bel Air Station
2942 Charles Street, Fallston
Harford County, Maryland

Dear Mr. Carpenter:

The Maryland Department of the Environment's (the Department) Oil Control Program (OCP) recently completed a review of the case file for the above-referenced property, located in a designated high-risk groundwater use area. On March 7, 2018, Colonial Pipeline Company (Colonial) reported that a release of diesel fuel occurred at the site. The release was discovered within the pumping loop observation portals during a scheduled site monitoring visit. An environmental spill response company was hired and the recovery of liquid phase hydrocarbons (LPH) and petroleum impacted soils and water began March 7, 2018. Investigation of the release revealed two corrosion perforations on the 20-inch diameter kick back line, approximately 16 inches from the top line of the pipe. The perforations were repaired and the line was returned to service on March 8th.

On March 12, 2018, an emergency subsurface investigation was initiated to characterize the extent of petroleum impacts at the site. A total of 28 soil borings were advanced (17 hand-augured and 11 direct-push soil borings) in and around the confines of the subsurface structures. Six permanent groundwater monitoring wells were installed around the perimeter of the site. On April 13, 2018, the Department received notification that petroleum-related compounds were detected in the groundwater sample collected from monitoring well MW-2. The analytical results reported a detection of benzene at a concentration of 11 parts per billion (ppb), which exceeds the benzene regulatory standard of 5 ppb. Sampling results from the other five monitoring wells were non-detect for petroleum constituents. A confirmatory sample was collected from MW-2 on April 16, 2018, and the results confirmed the presence of benzene at a concentration of 59 ppb. The on-site drinking water supply well was sampled on March 12, 2018. The supply well analytical results did not detect any petroleum related impacts above laboratory detection limits.

On March 16, 2018, an environmental contractor collected samples from 11 drinking water supply wells located on ten properties immediately adjacent to the Colonial pumping station. Personnel from the OCP and the Harford County Health Department oversaw the collection of these drinking water samples. The analytical results of the samples collected from these drinking water supply wells did not reveal any petroleum related impacts above laboratory detection limits.

The Department understands that the pipeline is protected from corrosion by an outer coating. Time and exposure to fuel can degrade that coating. During the initial emergency response, the main pipelines passing through the Bel Air Pumping Station and the pipes within the kick back line were exposed to recover LPH and petroleum impacted soils. While the pipeline was exposed, the Department understands that compromises were detected in the coating where LPH was recovered. Upon completing the initial recovery efforts, the Department understands that you have begun repairing any coating compromises and inspecting the rest of the buried structures at the site. During this process, additional soils have been excavated and will be sent to a State of Maryland approved soil disposal facility.

Since this property is located in a high-risk groundwater use area served by a drinking water supply well, the Department requires completion of the following:

1) **No later than May 28, 2018**, submit a well survey identifying all drinking water supply wells (i.e. domestic, non-community/community water supply, agricultural) within a half-mile radius of the subject property and plot on a U.S. Geological Survey map or scaled street map.

   a. Annotate on this map the 500-ft., 1,000-ft., and 0.5-mile radii.
   b. Provide a summary table including, at a minimum, property address, property owner name, property owner address, depth of well, casing depth, screen depth, and current status of well usage.
   c. Review well completion reports and evaluate whether on-site conditions could potentially impact any off-site drinking water supply wells in the area.
   d. Submit documentation of which supply wells are historic and have been abandoned.
   e. Submit copies of field notes documenting field reconnaissance performed to verify the presence or absence of wells.
   f. Provide written documentation of your findings and the list of persons contacted.

2) **No later than May 28, 2018,** submit the *Subsurface Investigation Report.* The *Subsurface Investigation Report* should include, at a minimum: a detailed accounting of the release and the steps of the post-release investigation and recovery process; data summary tables (including fuel oxygenates and naphthalene) and scaled site maps showing actual sampling locations (i.e., soil boring/monitoring well locations); any dissolved and liquid phase hydrocarbon thicknesses encountered should also be depicted on maps encountered. Qualitative and/or quantitative discussions should be presented, including recommendations for further actions (additional characterization or remedial options

3) Begin monthly gauging and quarterly (every three months) sampling of the monitoring well network until written approval from the Department is received to suspend or reduce the sampling frequency. Sampling events must be conducted in July, October, January, and April. All samples collected must be analyzed for full-suite volatile organic compounds (VOCs), including fuel oxygenates and naphthalene, using EPA Method 8260 and total petroleum hydrocarbons - diesel and gasoline range organics (TPH-DRO and GRO) using EPA Method 8015.

4) Conduct quarterly sampling of the on-site drinking water supply well. Sampling events must be conducted in July, October, January, and April. All samples collected must be analyzed for full-suite VOCs, including fuel oxygenates and naphthalene, using EPA Method 524.2. If a granular activated carbon (GAC) filtration system is present, samples must be collected pre-, mid-, and post-filtration.

5) Conduct quarterly sampling of the drinking water supply wells of the ten immediately adjacent properties until written approval to reduce or suspend sampling is received from the Department. These properties include: 2929, 2931, 2932, 2933, 2935, 2936, and 3006 Charles Street and 2220, 2226 (2 wells), and 2230

Rutledge Road. Sampling events must be conducted in July, October, January, and April. All samples must be collected as close to the pressure tank as possible. All samples collected must be analyzed for full-suite VOCs, including fuel oxygenates and naphthalene, using EPA Method 524.2. If a GAC filtration system is present, samples must be collected pre-, mid-, and post-filtration. Copies of all sampling results must be provided to the property owner, the Harford County Health Department (Attn. Ms. Lisa Kalama) and the Oil Control Program's case manager.

6) Within 45 days of each sampling event, submit a quarterly report to the Oil Control Program detailing the results of the event.

7) When submitting reports, include data summary tables and scaled site maps showing actual sampling locations (i.e., monitoring well and tank field well locations). In the discussion of supplemental sampling events, include details on sampling procedures and describe analytical results in terms of media sampled. Reports must include groundwater flow maps, dissolved concentration maps, and qualitative and quantitative discussions regarding the sampling results and trends.

When submitting documentation to the Oil Control Program, provide three hard copies and a digital copy on a labeled compact disk (CD). If you have any questions, please contact the case manager, Mrs. Susan Bull, Eastern Region Supervisor, at 410-537-3499 (email: *susan.bull@maryland.gov*), or me at 410-537-3389 (email: *andrew.miller@maryland.gov*).

Sincerely,

Andrew B. Miller, Chief
Remediation and State Lead Division
Oil Control Program

SRB/nln

cc: Mrs. Julie Makert (Harford County Health Dept.)
Mr. David Kaminkow (Owner 2929 Charles Street)
Mr. and Mrs. Joseph Kaminkow (Owners 2931 and 2933 Charles Street)
Mr. and Mrs. Potter (Owners 2932 Charles Street)
Mr. and Mrs. Hurlock (Owners 2935 Charles Street)
Mr. and Mrs. Rasmussen (Owners 2936 Charles Street)
Mr. and Mrs. Reese (Owners 3006 Charles Street)
Mr. Eric Svendsen, Environmental Scientist (TransCanada 2220 Rutledge Road)
Mr. and Mrs. Parris (Owners 2226 Rutledge Road)
Mr. and Mrs. Hornbeck (Owners 2230 Rutledge Road)
Mr. Christopher H. Ralston
Ms. Hilary Miller

APPENDIX B

Maryland Department of Environment Approval for Frequency Reduction of Off-Site Monitoring

Maryland
Department of
the Environment

Larry Hogan, Governor
Boyd K. Rutherford, Lt. Governor

Ben Grumbles, Secretary
Horacio Tablada, Deputy Secretary

August 12, 2020

Mr. Stanley Carpenter
Colonial Pipeline Company
1089 Kings Highway
West Deptford, NJ 08086

RE: OFF-SITE MONITORING FREQUENCY REDUCTION APPROVAL
Case No. 2018-0459-HA
Colonial Pipeline Bel Air Pumping Station
2942 Charles Street, Fallston
Harford County, Maryland

Dear Mr. Carpenter:

The Maryland Department of the Environment's (MDE) Oil Control Program (OCP) completed a review of the case file for the above-referenced property, including the *Request for Reduction of Residential Sampling Frequency*, included in the *Quarterly Monitoring Report February 2020 – April 2020*. This case was opened following the March 7, 2018 release of fuel from a corrosion perforation discovered in the booster loop. Following the release, an emergency subsurface investigation was conducted and sampling of select off-site properties was required. Initial off-site samples were collected on March 16, 2018 and the analytical results for the samples collected from these drinking water supply wells did not reveal any petroleum related impacts above laboratory detection limits. Site characterization and groundwater monitoring continues.

A total of 11 supply wells on 10 adjacent properties were sampled on a quarterly basis from March 2018 to January 2020, for a total of 8 sampling events. An abbreviated round of sampling was conducted in April 2020 with consideration of COVID-19 virus precautions and communication with property owners. All sampling results were non-detect for petroleum constituents with the following exceptions. Two of the properties had one instance of anomalous results, indicative of well chlorination and well maintenance events, not related to the Colonial release. Anomalous results were not present in subsequent sampling events. The *Request for Reduction in Residential Sampling Frequency* requests the reduction of off-site commercial and residential well monitoring requirements from quarterly to annually except for 2932 Charles Street, which would continue to be sampled on a quarterly basis.

Based on the available information reviewed for this case, MDE hereby approves the reduction in sampling from quarterly to annually for 9 of the 10 off-site properties, with the next round of annual samples to be collected in January 2021. The MDE concurs with retaining the 2932 Charles Street property on a quarterly sampling schedule due to its proximity to the site. The MDE retains the right to revert to a quarterly sampling frequency if additional information becomes available.

This letter is not a waiver or limitation of MDE's right to take enforcement or other action in the future based upon contamination at and around the site. The MDE and the State of Maryland retain all authority and rights to seek all available relief, including equitable relief and damages of any nature, such as compensatory and natural resource damages, for contamination at and around the site.

When submitting documentation to OCP, provide three hard copies and one electronic copy. If you have any questions, please contact Ms. Lindley Campbell at 410-537-3387 (lindley.campbell1@maryland.gov) or me at 410-537-3499 (susan.bull@maryland.gov).

Sincerely,

Susan R. Bull, Eastern Region Supervisor
Remediation Division
Oil Control Program

cc: Mr. David H. Kaminkow, 2929 Charles Street
Mr. and Mrs. Joseph and Sandra Kaminkow, 2931 and 2933 Charles Street
Mr. and Mrs. Christopher and Kathryn Potter, 2932 Charles Street
Mr. and Mrs. Ryan and Alissa Hurlock, 2935 Charles Street
Mr. and Mrs. Richard and Heather Rasmussen, 2936 Charles Street
Mr. Robert E. Reese, 3006 Charles Street
Mr. Eric Svendsen, TransCanada, 2220 Rutledge Road
Mr. and Mrs. Mark and Jean Parris, 2226 Rutledge Road
Mr. and Mrs. Ken and Pam Hornbeck, 2230 Rutledge Road
Mr. David Kudla, Project Manager, TRC Environmental Corp.
Mr. John Resline, Acting Director, Environmental Health, Harford County Health Dept.
Mr. Andrew B. Miller, Chief, Remediation Division, Oil Control Program
Mr. Christopher H. Ralston, Program Manager, Oil Control Program

APPENDIX C

Monitoring Well Groundwater Elevations Master Table (2018 – 2022)

APPENDIX C

Monitoring Well Groundwater Elevations Master Table

2018 - 2022

Colonial Pipeline Company - Bel Air Pump Station

Gauging Date	TOC Elevation	Depth to Water	Depth to Product	GW Elevation
		MW-1		
4/4/2018	480.73	8.28	--	472.45
5/30/2018	480.73	5.79	--	474.94
6/28/2018	480.73	5.27	--	475.46
7/11/2018	480.73	6.21	--	474.52
8/9/2018	480.73	4.54	--	476.19
9/4/2018	480.73	4.52	--	476.21
10/18/2018	480.73	4.33	--	476.40
11/2/2018	480.73	3.83	--	476.90
12/6/2018	480.73	3.16	--	477.57
1/11/2019	480.73	2.76	--	477.97
2/14/2019	480.73	2.61	--	478.12
3/13/2019	480.73	2.64	--	478.09
4/2/2019	480.73	2.78	--	477.95
5/2/2019	480.73	2.85	--	477.88
6/3/2019	480.73	3.12	--	477.61
7/9/2019	480.73	3.49	--	477.24
8/26/2019	480.73	3.95	--	476.78
9/12/2019	480.73	4.08	--	476.65
10/9/2019	480.73	4.54	--	476.19
11/11/2019	480.73	4.15	--	476.58
12/12/2019	480.73	4.17	--	476.56
1/6/2020	480.73	3.94	--	476.79
2/6/2020	480.73	3.95	--	476.78
3/5/2020	480.73	4.03	--	476.70
4/29/2020	480.73	3.61	--	477.12
5/21/2020	480.73	3.71	--	477.02
6/18/2020	480.73	3.82	--	476.91
7/29/2020	480.73	4.22	--	476.51
8/27/2020	480.73	4.22	--	476.51
NM	480.73	NM	NM	NM
10/21/2020	480.73	4.95	--	475.78
11/25/2020	480.73	4.92	--	475.81
12/23/2020	480.73	4.46	--	476.27
1/20/2021	480.73	3.78	--	476.95
2/25/2021	480.73	3.81	--	476.92
3/18/2021	480.73	4.26	--	476.47
4/21/2021	480.73	4.06	--	476.67
5/27/2021	480.73	4.36	--	476.37
6/24/2021	480.73	3.85	--	476.88
7/21/2021	480.73	4.11	--	476.62
8/27/2021	480.73	5.37	--	475.36
9/30/2021	480.73	5.4	--	475.33
10/27/2021	480.73	4.46	--	476.27
11/18/2021	480.73	4.16	--	476.57
12/23/2021	480.73	4.59	--	476.14
1/19/2022	480.73	4.12	--	476.61
2/24/2022	480.73	4.21	--	476.52
3/17/2022	480.73	4.08	--	476.65
4/20/2022	480.73	3.70	--	477.03
		MW-7		
4/2/2019	480.52	6.88	--	473.64
5/2/2019	480.52	7.83	--	472.69
6/3/2019	480.52	8.81	--	471.71
7/9/2019	480.52	9.95	--	470.57
8/26/2019	480.52	11.83	--	468.69
9/12/2019	480.52	12.76	--	467.76
10/9/2019	480.52	13.48	--	467.04
11/11/2019	480.52	12.07	--	468.45
12/12/2019	480.52	13.36	--	467.16
1/6/2020	480.52	12.52	--	468.00
2/6/2020	480.52	12.80	--	467.72
3/5/2020	480.52	12.75	--	467.77
4/29/2020	480.52	11.31	--	469.21
5/21/2020	480.52	10.55	--	469.97
6/18/2020	480.52	11.45	--	469.07
7/29/2020	480.52	13.10	--	467.42
8/27/2020	480.52	13.15	--	467.37
NM	480.52	NM	NM	NM
10/21/2020	480.52	14.68	--	465.84
11/25/2020	480.52	14.21	--	466.31
12/23/2020	480.52	13.51	--	467.01
1/20/2021	480.52	11.32	--	469.20
2/25/2021	480.52	11.35	--	469.17
3/18/2021	480.52	11.01	--	469.51
4/21/2021	480.52	8.69	--	471.83
5/27/2021	480.52	10.25	--	470.27
6/24/2021	480.52	10.41	--	470.11
7/21/2021	480.52	NM	NM	NM
8/27/2021	480.52	13.62	--	466.90
9/30/2021	480.52	14.20	--	466.32
10/27/2021	480.52	14.85	--	465.67
11/18/2021	480.52	13.82	--	466.70
12/23/2021	480.52	14.96	--	465.56
1/19/2022	480.52	14.32	--	466.20
2/24/2022	480.52	14.14	--	466.38
3/17/2022	480.52	13.97	--	466.55
4/20/2022	480.52	12.80	--	467.72

Gauging Date	TOC Elevation	Depth to Water	Depth to Product	GW Elevation
		MW-2		
4/4/2018	478.20	12.98	--	465.22
5/30/2018	478.20	10.42	--	467.78
6/28/2018	478.20	9.98	--	468.22
7/11/2018	478.20	10.61	--	467.59
8/9/2018	478.20	9.36	--	468.84
9/4/2018	478.20	9.54	--	468.66
10/18/2018	478.20	9.80	--	468.40
11/2/2018	478.20	9.59	--	468.61
12/6/2018	478.20	8.44	--	469.76
1/11/2019	478.20	7.17	--	471.03
2/14/2019	478.20	6.69	--	471.51
3/13/2019	478.20	6.27	--	471.93
4/2/2019	478.20	6.57	--	471.63
5/2/2019	478.20	6.91	--	471.29
6/3/2019	478.20	7.25	--	470.95
7/9/2019	478.20	8.19	--	470.01
8/26/2019	478.20	9.41	--	468.79
9/12/2019	478.20	9.93	--	468.27
10/9/2019	478.20	10.86	--	467.34
11/11/2019	478.20	10.35	--	467.85
12/12/2019	478.20	11.91	--	466.29
1/6/2020	478.20	9.98	--	468.22
2/6/2020	478.20	9.66	--	468.54
3/5/2020	478.20	9.88	--	468.32
4/29/2020	478.20	8.98	--	469.22
5/21/2020	478.20	11.58	--	466.62
6/18/2020	478.20	9.05	--	469.15
7/29/2020	478.20	9.66	--	468.54
8/27/2020	478.20	9.89	--	468.31
NM	478.20	NM	NM	NM
10/21/2020	478.20	10.60	--	467.60
11/25/2020	478.20	10.80	--	467.40
12/23/2020	478.20	10.70	--	467.50
1/20/2021	478.20	9.51	--	468.69
2/25/2021	478.20	9.67	--	468.53
3/18/2021	478.20	NM	NM	NM
4/21/2021	478.20	9.72	--	468.48
5/27/2021	478.20	NM	NM	NM
6/24/2021	478.20	9.76	--	468.44
7/21/2021	478.20	9.83	--	468.37
8/27/2021	478.20	10.89	--	467.31
9/30/2021	478.20	NM	NM	NM
10/27/2021	478.20	10.87	--	467.33
11/18/2021	478.20	NM	NM	NM
12/23/2021	478.20	NM	NM	NM
1/19/2022	478.20	10.45	--	467.75
2/24/2022	478.20	9.82	--	468.38
3/17/2022	478.20	9.23	--	468.97
4/20/2022	478.20	8.97	--	469.23
		MW-8		
4/2/2019	477.27	10.94	--	466.33
5/2/2019	477.27	12.20	--	465.07
6/3/2019	477.27	13.05	--	464.22
7/9/2019	477.27	14.28	--	462.99
8/26/2019	477.27	15.47	--	461.80
9/12/2019	477.27	16.02	--	461.25
10/9/2019	477.27	16.74	--	460.53
11/11/2019	477.27	16.27	--	461.00
12/12/2019	477.27	16.86	--	460.41
1/6/2020	477.27	16.02	--	461.25
2/6/2020	477.27	15.93	--	461.34
3/5/2020	477.27	15.97	--	461.30
4/29/2020	477.27	15.38	--	461.89
5/21/2020	477.27	18.95	--	458.32
6/18/2020	477.27	15.12	--	462.15
7/29/2020	477.27	16.71	--	460.56
8/27/2020	477.27	16.11	--	461.16
NM	477.27	NM	NM	NM
10/21/2020	477.27	17.16	--	460.11
11/25/2020	477.27	16.76	--	460.51
12/23/2020	477.27	16.50	--	460.77
1/20/2021	477.27	15.37	--	461.90
2/25/2021	477.27	15.78	--	461.49
3/18/2021	477.27	15.26	--	462.01
4/21/2021	477.27	14.77	--	462.50
5/27/2021	477.27	15.37	--	461.90
6/24/2021	477.27	15.04	--	462.23
7/21/2021	477.27	15.36	--	461.91
8/27/2021	477.27	16.49	--	460.78
9/30/2021	477.27	16.77	--	460.50
10/27/2021	477.27	17.05	--	460.22
11/18/2021	477.27	16.60	--	460.67
12/23/2021	477.27	17.31	--	459.96
1/19/2022	477.27	17.11	--	460.16
2/24/2022	477.27	17.8	--	459.47
3/17/2022	477.27	16.70	--	460.57
4/20/2022	477.27	16.04	--	461.23

Gauging Date	TOC Elevation	Depth to Water	Depth to Product	GW Elevation
		MW-3		
4/4/2018	476.86	19.17	--	457.69
5/30/2018	476.86	17.75	--	459.11
6/28/2018	476.86	17.37	--	459.49
7/11/2018	476.86	17.67	--	459.19
8/9/2018	476.86	16.86	--	460.00
9/4/2018	476.86	17.03	--	459.83
10/18/2018	476.86	16.60	--	460.26
11/2/2018	476.86	16.68	--	460.18
12/6/2018	476.86	15.11	--	461.75
1/11/2019	476.86	13.13	--	463.73
2/14/2019	476.86	13.47	--	463.39
3/13/2019	476.86	13.29	--	463.57
4/2/2019	476.86	13.34	--	463.52
5/2/2019	476.86	13.63	--	463.23
6/3/2019	476.86	14.01	--	462.85
7/9/2019	476.86	14.88	--	461.98
8/26/2019	476.86	15.81	--	461.05
9/12/2019	476.86	16.19	--	460.67
10/9/2019	476.86	16.69	--	460.17
11/11/2019	476.86	16.38	--	460.48
12/12/2019	476.86	16.40	--	460.46
1/6/2020	476.86	15.95	--	460.91
2/6/2020	476.86	15.81	--	461.05
3/5/2020	476.86	15.81	--	461.05
4/29/2020	476.86	15.21	--	461.65
5/21/2020	476.86	15.15	--	461.71
6/18/2020	476.86	15.26	--	461.60
7/29/2020	476.86	15.79	--	461.07
8/27/2020	476.86	15.95	--	460.91
NM	476.86	NM	NM	NM
10/21/2020	476.86	16.40	--	460.46
11/25/2020	476.86	16.22	--	460.64
12/23/2020	476.86	15.83	--	461.03
1/20/2021	476.86	15.85	--	461.01
2/25/2021	476.86	15.25	--	461.61
3/18/2021	476.86	15.15	--	461.71
4/21/2021	476.86	14.84	--	462.02
5/27/2021	476.86	15.31	--	461.55
6/24/2021	476.86	15.13	--	461.73
7/21/2021	476.86	15.27	--	461.59
8/27/2021	476.86	15.89	--	460.97
9/30/2021	476.86	16.10	--	460.76
10/27/2021	476.86	16.02	--	460.84
11/18/2021	476.86	15.65	--	461.21
12/23/2021	476.86	16.23	--	460.63
1/19/2022	476.86	15.75	--	461.11
2/24/2022	476.86	15.65	--	461.21
3/17/2022	476.86	15.41	--	461.45
4/20/2022	476.86	14.93	--	461.93
		MW-8D		
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11/11/2019	479.84	21.75	--	458.09
12/12/2019	479.84	21.14	--	458.70
1/6/2020	479.84	19.74	--	460.10
2/6/2020	479.84	20.25	--	459.59
3/5/2020	479.84	20.20	--	459.64
4/29/2020	479.84	19.40	--	460.44
5/21/2020	479.84	18.95	--	460.89
6/18/2020	479.84	19.25	--	460.59
7/29/2020	479.84	20.43	--	459.41
8/27/2020	479.84	20.44	--	459.40
NM	479.84	NM	NM	NM
10/21/2020	479.84	21.60	--	458.24
11/25/2020	479.84	21.02	--	458.82
12/23/2020	479.84	20.69	--	459.15
1/20/2021	479.84	19.49	--	460.35
2/25/2021	479.84	21.86	--	457.98
3/18/2021	479.84	19.26	--	460.58
4/21/2021	479.84	18.83	--	461.01
5/27/2021	479.84	19.24	--	460.6
6/24/2021	479.84	19.05	--	460.79
7/21/2021	479.84	19.42	--	460.42
8/27/2021	479.84	20.73	--	459.11
9/30/2021	479.84	21.00	--	458.84
10/27/2021	479.84	21.37	--	458.47
11/18/2021	479.84	21.10	--	458.74
12/23/2021	479.84	21.67	--	458.17
1/19/2022	479.84	21.45	--	458.39
2/24/2022	479.84	21.13	--	458.71
3/17/2022	479.84	21.05	--	458.79
4/20/2022	479.84	20.23	--	459.61

Gauging Date	TOC Elevation	Depth to Water	Depth to Product	GW Elevation
		MW-4		
4/4/2018	477.15	15.51	--	461.64
5/30/2018	477.15	13.52	--	463.63
6/28/2018	477.15	12.34	--	464.81
7/11/2018	477.15	12.92	--	464.23
8/9/2018	477.15	11.68	--	465.47
9/4/2018	477.15	12.08	--	465.07
10/18/2018	477.15	11.19	--	465.96
11/2/2018	477.15	11.21	--	465.94
12/6/2018	477.15	8.97	--	468.18
1/11/2019	477.15	6.70	--	470.45
2/14/2019	477.15	6.31	--	470.84
3/13/2019	477.15	6.28	--	470.87
4/2/2019	477.15	6.98	--	470.17
5/2/2019	477.15	7.73	--	469.42
6/3/2019	477.15	8.51	--	468.64
7/9/2019	477.15	9.81	--	467.34
8/26/2019	477.15	11.11	--	466.04
9/12/2019	477.15	11.67	--	465.48
10/9/2019	477.15	12.40	--	464.75
11/11/2019	477.15	11.95	--	465.20
12/12/2019	477.15	12.45	--	464.70
1/6/2020	477.15	11.65	--	465.50
2/6/2020	477.15	11.68	--	465.47
3/5/2020	477.15	11.65	--	465.50
4/29/2020	477.15	11.10	--	466.05
5/21/2020	477.15	10.46	--	466.69
6/18/2020	477.15	11.92	--	465.23
7/29/2020	477.15	12.01	--	465.14
8/27/2020	477.15	11.98	--	465.17
NM	477.15	NM	NM	NM
10/21/2020	477.15	13.01	--	464.14
11/25/2020	477.15	12.96	--	464.19
12/23/2020	477.15	12.63	--	464.52
1/20/2021	477.15	11.26	--	465.89
2/25/2021	477.15	11.55	--	465.60
3/18/2021	477.15	11.64	--	465.51
4/21/2021	477.15	11.16	--	465.99
5/27/2021	477.15	11.81	--	465.34
6/24/2021	477.15	11.12	--	466.03
7/21/2021	477.15	11.57	--	465.58
8/27/2021	477.15	13.00	--	464.15
9/30/2021	477.15	13.35	--	463.80
10/27/2021	477.15	12.98	--	464.17
11/18/2021	477.15	12.46	--	464.69
12/23/2021	477.15	13.22	--	463.93
1/19/2022	477.15	12.80	--	464.35
2/24/2022	477.15	12.64	--	464.51
3/17/2022	477.15	12.49	--	464.66
4/20/2022	477.15	11.81	--	465.34
		MW-9		
4/2/2019	475.43	14.41	--	461.02
5/2/2019	475.43	15.95	--	459.48
6/3/2019	475.43	17.06	--	458.37
7/9/2019	475.43	18.59	--	456.84
8/26/2019	475.43	20.05	--	455.38
9/12/2019	475.43	21.03	--	454.40
10/9/2019	475.43	21.87	--	453.56
11/11/2019	475.43	21.51	--	453.92
12/12/2019	475.43	21.95	--	453.48
1/6/2020	475.43	21.25	--	454.18
2/6/2020	475.43	20.93	--	454.50
3/5/2020	475.43	20.83	--	454.60
4/29/2020	475.43	20.03	--	455.40
5/21/2020	475.43	19.41	--	456.02
6/18/2020	475.43	19.77	--	455.66
7/29/2020	475.43	20.65	--	454.78
8/27/2020	475.43	21.13	--	454.30
NM	475.43	NM	NM	NM
10/21/2020	475.43	22.31	--	453.12
11/25/2020	475.43	21.24	--	454.19
12/23/2020	475.43	21.03	--	454.40
1/20/2021	475.43	20.05	--	455.38
2/25/2021	475.43	20.40	--	455.03
3/18/2021	475.43	19.42	--	456.01
4/21/2021	475.43	19.02	--	456.41
5/27/2021	475.43	19.49	--	455.94
6/24/2021	475.43	19.31	--	456.12
7/21/2021	475.43	19.88	--	455.55
8/27/2021	475.43	21.08	--	454.35
9/30/2021	475.43	21.20	--	454.23
10/27/2021	475.43	21.89	--	453.54
11/18/2021	475.43	21.71	--	453.72
12/23/2021	475.43	22.40	--	453.03
1/19/2022	475.43	22.23	--	453.20
2/24/2022	475.43	21.84	--	453.59
3/17/2022	475.43	21.85	--	453.58
4/20/2022	475.43	20.93	--	454.50

Gauging Date	TOC Elevation	Depth to Water	Depth to Product	GW Elevation
		MW-5		
4/4/2018	477.44	14.01	--	463.43
5/30/2018	477.44	11.76	--	465.68
6/28/2018	477.44	10.67	--	466.77
7/11/2018	477.44	11.31	--	466.13
8/9/2018	477.44	9.72	--	467.72
9/4/2018	477.44	10.30	--	467.14
10/18/2018	477.44	8.78	--	468.66
11/2/2018	477.44	8.55	--	468.89
12/6/2018	477.44	6.46	--	470.98
1/11/2019	477.44	4.96	--	472.48
2/14/2019	477.44	4.64	--	472.80
3/13/2019	477.44	4.70	--	472.74
4/2/2019	477.44	5.35	--	472.09
5/2/2019	477.44	--	--	--
6/3/2019	477.44	--	--	--
7/9/2019	477.44	--	--	--
8/26/2019	477.44	--	--	--
9/12/2019	477.44	--	--	--
10/9/2019	477.44	--	--	--
11/11/2019	477.44	--	--	--
12/12/2019	477.44	--	--	--
1/6/2020	477.44	--	--	--
2/6/2020	477.44	--	--	--
3/5/2020	477.44	--	--	--
4/29/2020	477.44	--	--	--
5/21/2020	477.44	--	--	--
6/18/2020	477.44	--	--	--
7/29/2020	477.44	--	--	--
8/27/2020	477.44	--	--	--
NM	477.44	--	--	--
10/21/2020	477.44	--	--	--
11/25/2020	477.44	--	--	--
12/23/2020	477.44	--	--	--
1/20/2021	477.44	--	--	--
2/25/2021	477.44	--	--	--
3/18/2021	477.44	--	--	--
4/21/2021	477.44	--	--	--
5/27/2021	477.44	--	--	--
6/24/2021	477.44	--	--	--
7/21/2021	477.44	--	--	--
8/27/2021	477.44	--	--	--
9/30/2021	477.44	--	--	--
10/27/2021	477.44	--	--	--
11/18/2021	477.44	--	--	--
12/23/2021	477.44	--	--	--
1/19/2022	477.44	--	--	--
2/24/2022	477.44	--	--	--
3/17/2022	477.44	--	--	--
4/20/2022	477.44	--	--	--
		MW-10		
4/2/2019	476.84	4.82	--	472.02
5/2/2019	476.84	5.65	--	471.19
6/3/2019	476.84	6.35	--	470.49
7/9/2019	476.84	7.43	--	469.41
8/26/2019	476.84	8.75	--	468.09
9/12/2019	476.84	9.56	--	467.28
10/9/2019	476.84	10.61	--	466.23
11/11/2019	476.84	10.85	--	465.99
12/12/2019	476.84	10.39	--	466.45
1/6/2020	476.84	9.41	--	467.43
2/6/2020	476.84	8.21	--	468.63
3/5/2020	476.84	9.82	--	467.02
4/29/2020	476.84	8.30	--	468.54
5/21/2020	476.84	NM	NM	NM
6/18/2020	476.84	8.60	--	468.24
7/29/2020	476.84	9.72	--	467.12
8/27/2020	476.84	10.02	--	466.82
NM	476.84	NM	NM	NM
10/21/2020	476.84	11.11	--	465.73
11/25/2020	476.84	11.09	--	465.75
12/23/2020	476.84	10.75	--	466.09
1/20/2021	476.84	8.70	--	468.14
2/25/2021	476.84	8.72	--	468.12
3/18/2021	476.84	8.65	--	468.19
4/21/2021	476.84	7.55	--	469.29
5/27/2021	476.84	7.95	--	468.89
6/24/2021	476.84	8.21	--	468.63
7/21/2021	476.84	7.70	--	469.14
8/27/2021	476.84	10.62	--	466.22
9/30/2021	476.84	11.21	--	465.63
10/27/2021	476.84	11.49	--	465.35
11/18/2021	476.84	9.90	--	466.94
12/23/2021	476.84	11.59	--	465.25
2/3/2022	476.84	11.04		465.80
2/24/2022	476.84	10.80	--	466.04
3/17/2022	476.84	NM	NM	NM
4/20/2022	476.84	9.66	--	467.18

Gauging Date	TOC Elevation	Depth to Water	Depth to Product	GW Elevation
		MW-6		
4/4/2018	480.62	29.04	--	451.58
5/30/2018	480.62	27.35	--	453.27
6/28/2018	480.62	25.87	--	454.75
7/11/2018	480.62	26.46	--	454.16
8/9/2018	480.62	NM	NM	NM
9/4/2018	480.62	25.89	--	454.73
10/18/2018	480.62	24.93	--	455.69
11/2/2018	480.62	25.14	--	455.48
12/6/2018	480.62	21.85	--	458.77
1/11/2019	480.62	17.13	--	463.49
2/14/2019	480.62	16.74	--	463.88
3/13/2019	480.62	17.12	--	463.50
4/2/2019	480.62	18.90	--	461.72
5/2/2019	480.62	20.25	--	460.37
6/3/2019	480.62	21.50	--	459.12
7/9/2019	480.62	22.66	--	457.96
8/26/2019	480.62	24.13	--	456.49
9/12/2019	480.62	25.00	--	455.62
10/9/2019	480.62	26.81	--	453.81
11/11/2019	480.62	25.44	--	455.18
12/12/2019	480.62	26.01	--	454.61
1/6/2020	480.62	25.09	--	455.53
2/6/2020	480.62	24.81	--	455.81
3/5/2020	480.62	24.75	--	455.87
4/29/2020	480.62	23.98	--	456.64
5/21/2020	480.62	22.32	--	458.30
6/18/2020	480.62	23.63	--	456.99
7/29/2020	480.62	24.46	--	456.16
8/27/2020	480.62	24.96	--	455.66
NM	480.62	NM	NM	NM
10/21/2020	480.62	26.05	--	454.57
11/25/2020	480.62	25.27	--	455.35
12/23/2020	480.62	24.94	--	455.68
1/20/2021	480.62	23.94	--	456.68
2/25/2021	480.62	24.37	--	456.25
3/18/2021	480.62	23.31	--	457.31
4/21/2021	480.62	22.80	--	457.82
5/27/2021	480.62	23.38	--	457.24
6/24/2021	480.62	23.38	--	457.24
7/21/2021	480.62	23.70	--	456.92
8/27/2021	480.62	24.83	--	455.79
9/30/2021	480.62	25.00	--	455.62
10/27/2021	480.62	25.61	--	455.01
11/18/2021	480.62	25.39	--	455.23
12/23/2021	480.62	26.14	--	454.48
1/19/2022	480.62	25.97	--	454.65
2/24/2022	480.62	25.60	--	455.02
3/17/2022	480.62	25.51	--	455.11
4/20/2022	480.62	24.67	--	455.95
		MW-11		
4/2/2019	476.90	3.92	--	472.98
5/2/2019	476.90	5.68	--	471.22
6/3/2019	476.90	6.30	--	470.60
7/9/2019	476.90	6.23	--	470.67
8/26/2019	476.90	7.51	--	469.39
9/12/2019	476.90	8.35	--	468.55
10/9/2019	476.90	9.49	--	467.41
11/11/2019	476.90	8.73	--	468.17
12/12/2019	476.90	9.05	--	467.85
1/6/2020	476.90	7.99	--	468.91
2/6/2020	476.90	9.62	--	467.28
3/5/2020	476.90	8.32	--	468.58
4/29/2020	476.90	7.32	--	469.58
5/21/2020	476.90	10.55	--	466.35
6/18/2020	476.90	7.32	--	469.58
7/29/2020	476.90	8.64	--	468.26
8/27/2020	476.90	8.78	--	468.12
NM	476.90	NM	NM	NM
10/21/2020	476.90	10.24	--	466.66
11/25/2020	476.90	9.97	--	466.93
12/23/2020	476.90	9.61	--	467.29
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APPENDIX C

Monitoring Well Groundwater Elevations Master Table

2018 - 2022

Colonial Pipeline Company - Bel Air Pump Station

Gauging Date	TOC Elevation	Depth to Water	Depth to Product	GW Elevation
MW-12				
1/6/2020	480.38	24.35	--	456.03
2/6/2020	480.38	24.07	--	456.31
3/5/2020	480.38	23.95	--	456.43
4/29/2020	480.38	23.35	--	457.03
5/21/2020	480.38	22.55	--	457.83
6/18/2020	480.38	22.90	--	457.48
7/29/2020	480.38	24.04	--	456.34
8/27/2020	480.38	24.09	--	456.29
NM	480.38	NM	NM	NM
10/21/2020	480.38	25.40	--	454.98
11/25/2020	480.38	24.61	--	455.77
12/23/2020	480.38	24.31	--	456.07
1/20/2021	480.38	23.24	--	457.14
2/25/2021	480.38	23.65	--	456.73
3/18/2021	480.38	22.70	--	457.68
4/21/2021	480.38	22.15	--	458.23
5/27/2021	480.38	22.66	--	457.72
6/24/2021	480.38	22.60	--	457.78
7/21/2021	480.38	22.96	--	457.42
8/27/2021	480.38	24.64	--	455.74
9/30/2021	480.38	24.33	--	456.05
10/27/2021	480.38	25.01	--	455.37
11/18/2021	480.38	24.74	--	455.64
12/23/2021	480.38	25.46	--	454.92
1/19/2022	480.38	25.38	--	455.00
2/24/2022	480.38	24.93	--	455.45
3/17/2022	480.38	24.90	--	455.48
4/20/2022	480.38	24.14	--	456.24

Gauging Date	TOC Elevation	Depth to Water	Depth to Product	GW Elevation
MW-13				
1/6/2020	473.19	18.59	--	454.60
2/6/2020	473.19	18.30	--	454.89
3/5/2020	473.19	18.21	--	454.98
4/29/2020	473.19	17.42	--	455.77
5/21/2020	473.19	16.72	--	456.47
6/18/2020	473.19	17.05	--	456.14
7/29/2020	473.19	18.23	--	454.96
8/27/2020	473.19	18.39	--	454.80
NM	473.19	NM	NM	NM
10/21/2020	473.19	19.50	--	453.69
11/25/2020	473.19	18.62	--	454.57
12/23/2020	473.19	18.35	--	454.84
1/20/2021	473.19	17.43	--	455.76
2/25/2021	473.19	17.70	--	455.49
3/18/2021	473.19	16.68	--	456.51
4/21/2021	473.19	16.33	--	456.86
5/27/2021	473.19	16.80	--	456.39
6/24/2021	473.19	16.81	--	456.38
7/21/2021	473.19	17.15	--	456.04
8/27/2021	473.19	18.29	--	454.90
9/30/2021	473.19	18.31	--	454.88
10/27/2021	473.19	19.12	--	454.07
11/18/2021	473.19	18.90	--	454.29
12/23/2021	473.19	19.69	--	453.5
1/19/2022	473.19	19.52	--	453.67
2/24/2022	473.19	19.14	--	454.05
3/17/2022	473.19	19.10	--	454.09
4/20/2022	473.19	18.22	--	454.97

Gauging Date	TOC Elevation	Depth to Water	Depth to Product	GW Elevation
MW-14				
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10/21/2020	463.02	13.75	--	449.27
11/25/2020	463.02	12.69	--	450.33
12/23/2020	463.02	12.21	--	450.81
1/20/2021	463.02	11.68	--	451.34
2/25/2021	463.02	11.96	--	451.06
3/18/2021	463.02	10.84	--	452.18
4/21/2021	463.02	10.63	--	452.39
5/27/2021	463.02	11.26	--	451.76
6/24/2021	463.02	11.49	--	451.53
7/21/2021	463.02	11.62	--	451.40
8/27/2021	463.02	12.4	--	450.62
9/30/2021	463.02	12.39	--	450.63
10/27/2021	463.02	13.22	--	449.80
11/18/2021	463.02	13.01	--	450.01
12/23/2021	463.02	13.89	--	449.13
1/19/2022	463.02	13.55	--	449.47
2/24/2022	463.02	13.12	--	449.90
3/17/2022	463.02	12.98	--	450.04
4/20/2022	463.02	11.95	--	451.07

Gauging Date	TOC Elevation	Depth to Water	Depth to Product	GW Elevation
MW-15				
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10/21/2020	451.33	13.13	--	438.20
11/25/2020	451.33	11.85	--	439.48
12/23/2020	451.33	11.65	--	439.68
1/20/2021	451.33	11.42	--	439.91
2/25/2021	451.33	11.47	--	439.86
3/18/2021	451.33	10.93	--	440.40
4/21/2021	451.33	10.91	--	440.42
5/27/2021	451.33	11.23	--	440.10
6/24/2021	451.33	11.52	--	439.81
7/21/2021	451.33	11.48	--	439.85
8/27/2021	451.33	11.65	--	439.68
9/30/2021	451.33	11.70	--	439.63
10/27/2021	451.33	11.90	--	439.43
11/18/2021	451.33	12.00	--	439.33
12/23/2021	451.33	12.42	--	438.91
1/19/2022	451.33	12.06	--	439.27
2/24/2022	451.33	12.08	--	439.25
3/17/2022	451.33	11.91	--	439.42
4/20/2022	451.33	11.48	--	439.85

Gauging Date	TOC Elevation	Depth to Water	Depth to Product	GW Elevation
MW-16				
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10/21/2020	461.53	12.32	--	449.21
11/25/2020	461.53	11.88	--	449.65
12/23/2020	461.53	11.62	--	449.91
1/20/2021	461.53	11.13	--	450.40
2/25/2021	461.53	11.37	--	450.16
3/18/2021	461.53	10.02	--	451.51
4/21/2021	461.53	9.78	--	451.75
5/27/2021	461.53	10.28	--	451.25
6/24/2021	461.53	10.89	--	450.64
7/21/2021	461.53	10.78	--	450.75
8/27/2021	461.53	11.46	--	450.07
9/30/2021	461.53	11.50	--	450.03
10/27/2021	461.53	12.12	--	449.41
11/18/2021	461.53	12.19	--	449.34
12/23/2021	461.53	13.07	--	448.46
1/19/2022	461.53	12.44	--	449.09
2/24/2022	461.53	12.35	--	449.18
3/17/2022	461.53	12.16	--	449.37
4/20/2022	461.53	11.17	--	450.36

Gauging Date	TOC Elevation	Depth to Water	Depth to Product	GW Elevation
MW-17				
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--	--	--	--	--
--	--	--	--	--
10/21/2020	467.13	7.55	--	459.58
11/25/2020	467.13	6.19	--	460.94
12/23/2020	467.13	5.27	--	461.86
1/20/2021	467.13	6.09	--	461.04
2/25/2021	467.13	5.60	--	461.53
3/18/2021	467.13	5.63	--	461.50
4/21/2021	467.13	5.72	--	461.41
5/27/2021	467.13	6.81	--	460.32
6/24/2021	467.13	6.94	--	460.19
7/21/2021	467.13	6.56	--	460.57
8/27/2021	467.13	5.98	--	461.15
9/30/2021	467.13	5.56	--	461.57
10/27/2021	467.13	6.14	--	460.99
11/18/2021	467.13	6.00	--	461.13
12/23/2021	467.13	7.67	--	459.46
1/19/2022	467.13	5.92	--	461.21
2/24/2022	467.13	6.31	--	460.82
3/17/2022	467.13	6.33	--	460.80
4/20/2022	467.13	5.02	--	462.11

TOC - Top of Casing
Elevations in feet above mean sea level (amsl)
Depth measurements in feet below TOC
"--" - Not Applicable.

NM - Not measured.
MW-10 was not measured in May 2020 due to collocated construction work
Gauging was not conducted in September 2020 due to Unit 3 emergency response
MW-2 was not measured in March 2021 and May 2021 due to collocated construction work
MW-7 was not measured in July 2021 due to collocated construction work
MW-11 was not measured in August 2021 due to collocated construction work
MW-2 was not measured in November and December 2021 due to burial under frozen gravel
MW-10 was not measured in January 2022 due to a thick layer of ice in the well manhole
MW-10 & -11 were not measured in March 2022 due to potential influence of ongoing vacuum activities

APPENDIX D

Field Forms – Low Flow Purging and Sampling

TRC

Field Form - Low Flow Purging and Sampling
Ground Water Sampling Measurements and Calculations

Sheet ___ of ___

Weather:

WELL NUMBER	WELL INFORMATION					Date: 4-20-22
MW-9	Well Diameter (inches)	Total (1) Depth (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	TRC Personnel: J. BRINKMANN
PERMIT NUMBER						Site Name: BEL AIR STATION
	4	23.10	21.12	—	0.0	Site Location: PALLSTON, MD
						TRC Job Number:

(1) Use a previously determined total depth. Confirm the total depth of well after sampling.
TOC = top of casing

PURGING INFORMATION							TRC METER NUMBERS		
Pump Type	Tubing Type	Pump (2) Intake Depth (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/m)	Total Purge Vol. (gal)	pH:	Cond:	DO:
							Eh:	Turbidity:	NJDEP Cert. No. 07734
MONSOON	LOPE	22	1700		200		Rental Meter Name:		
							Rental Meter Serial No.:		

(2) Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%(3)		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
1300	200	21.12	15.24	5.75	0.063	4.23	75	40.5	JB	CLEAR
1305	200	21.11	14.14	5.55	0.064	4.02	135	55.9		
1310	200	21.17	14.06	5.47	0.064	3.95	193	47.2		
1315	200	21.22	14.11	5.48	0.064	3.91	200	38.5		
1320	200	21.21	14.23	5.47	0.063	3.89	206	26.5		
1325	200	21.20	14.22	5.45	0.063	3.83	212	21.0		
1330	200		16.07	5.47	0.064	3.77	206	23.6		
1331										SAMPLE

Comments:

Analytical Parameters:

Sample Start Time: 1331
Sample Finish Time:

Weather Conditions:

(3) For values greater than 1.

Revised 04/12

Analytical Methods (EPA): Temp (SM 2550 B); pH (SM 4500-H B); Cond (120.1 and SM 2510 B); DO (SM 4500-O G); Salinity (SM 2520 B); Turbidity (EPA 180.1)

Note: Indicator parametes have stabilized when 3 consecutive readings are within criteria abov

TRC

Field Form - Low Flow Purging and Sampling
Ground Water Sampling Measurements and Calculations

Sheet ___ of ___

Weather:

WELL NUMBER	WELL INFORMATION					Date: 9/20/22
MW-15	Well Diameter (inches)	Total (1) Depth (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	TRC Personnel: J. BRINKMANN
PERMIT NUMBER						Site Name: BEL AIR STATION
	2	20.25	11.45	—	0.0	Site Location: PALLSTON, MD
						TRC Job Number:

(1) Use a previously determined total depth. Confirm the total depth of well after sampling
TOC = top of casing

PURGING INFORMATION							TRC METER NUMBERS		
Pump Type	Tubing Type	Pump (2) Intake Depth (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/m)	Total Purge Vol. (gal)	pH:	Cond:	DO:
							Eh:	Turbidity:	NJDEP Cert. No. 07734
MONSOON	LDPE	15	1215	1250	200		Rental Meter Name:		
							Rental Meter Serial No.:		

(2) Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

Time	Criteria: Flow Rate (ml/min)	<0.3 ft Depth to Water (ft)	± 3% Temp (°C)	± 0.1 su pH (su)	± 3% Cond (mS/cm)	± 10% D.O. (mg/L)	± 10 mv ORP (mv)	± 10%(3) Turbidity (NTU)	Initials	Water Conditions/Comments
1215	200	11.45	11.83	6.33	0.375	0.80	-61	282		
1220	200	11.68	11.88	6.44	0.382	0.05	-76	156		
1225	200	11.68	12.21	6.53	0.351	0.0	-96	47.9		
1230	200	11.68	12.37	6.54	0.340	0.0	-98	33.9		
1235	200	11.72	12.46	6.55	0.321	0.0	-100	20.3		
1240	200	11.76	12.31	6.54	0.307	0.0	-101	14.1		
1245	200	11.76	12.32	6.53	0.296	0.0	-100	9.6		
1246										SAMPLE

Comments:

Analytical Parameters:

Sample Start Time: 1246
Sample Finish Time:

Weather Conditions:

Revised 04/12

(3) For values greater than 1.
Analytical Methods (EPA): Temp (SM 2550 B); pH (SM 4500-H B); Cond (120.1 and SM 2510 B); DO (SM 4500-O G); Salinity (SM 2520 B); Turbidity (EPA 180.1)
Note: Indicator parametes have stabilized when 3 consecutive readings are within criteria abov

Field Form - Low Flow Purging and Sampling
Ground Water Sampling Measurements and Calculations

Sheet ___ of ___

Weather:

WELL NUMBER	WELL INFORMATION					Date: 4.20.22
MW-17	Well Diameter (inches)	Total (1) Depth (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	TRC Personnel: J. PRUEMANN
PERMIT NUMBER						Site Name: BEL AIR STATION
	2	18.24	6.49	—	0.0	Site Location: FALLSTON, MD
						TRC Job Number:

(1) Use a previously determined total depth. Confirm the total depth of well after sampling.
TOC = top of casing

PURGING INFORMATION							TRC METER NUMBERS		
Pump Type	Tubing Type	Pump (2) Intake Depth (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/m)	Total Purge Vol. (gal)	pH:	Cond:	DO:
							Eh:	Turbidity:	NJDEP Cert. No. 07734
MONSOON	LDPE		1045	1120	200		Rental Meter Name:		
							Rental Meter Serial No.:		

(2) Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%(3)		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
1045	200	6.49	11.47	5.84	0.220	11.53	139	295		CLEAR
1050	200	6.74	11.43	6.20	0.231	3.09	96	84.6		
1055	200	6.85	11.38	6.34	0.239	2.83	80	29.1		
1100	200	7.02	11.28	6.38	0.239	2.67	76	18.4		
1105	200	7.03	11.32	6.39	0.241	2.56	73	8.6		
1110	200	7.03	11.38	6.40	0.239	2.48	73	7.5		
1115	200	6.80	11.54	6.41	0.241	2.51	72	6.4		
1116										SAMPLE

Comments:

Analytical Parameters:

Sample Start Time: 1116
Sample Finish Time:

Weather Conditions:

Revised 04/12

(3) For values greater than 1.
Analytical Methods (EPA): Temp (SM 2550 B); pH (SM 4500-H B); Cond (120.1 and SM 2510 B); DO (SM 4500-O G); Salinity (SM 2520 B); Turbidity (EPA 180.1)
Note: Indicator parametes have stabilized when 3 consecutive readings are within criteria above.

Field Form - Low Flow Purging and Sampling
Ground Water Sampling Measurements and Calculations

Weather: Sheet ___ of ___

WELL NUMBER	WELL INFORMATION					Date: 4.20.22
MW-16	Well Diameter (inches)	Total (1) Depth (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	TRC Personnel: T. BRINKMANN
PERMIT NUMBER						Site Name: BEL AIR STATION
	2	20.32	11.13	—	0.0	Site Location: FALLSTON, MD
						TRC Job Number:

(1) Use a previously determined total depth. Confirm the total depth of well after sampling.
TOC = top of casing

PURGING INFORMATION							TRC METER NUMBERS		
Pump Type	Tubing Type	Pump (2) Intake Depth (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/m)	Total Purge Vol. (gal)	pH:	Cond:	DO:
							Eh:	Turbidity:	NJDEP Cert. No.
MONSOON	LDPE	14	1130	1205	200		Rental Meter Name:		
							Rental Meter Serial No.:		

(2) Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%(3)		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
1130	200	11.13	12.28	6.39	0.119	1.19	-42	79.2	JB	CLEAR
1135	200	12.30	12.37	6.28	0.119	0.0	-34	43.1	JB	
1140	200	12.41	13.11	6.46	0.133	0.6	-44	28.2	JB	
1145	200	12.45	13.15	6.40	0.132	0.0	-49	20.4	JB	
1150	200	12.52	13.38	6.39	0.134	0.0	-59	18.1	JB	
1155	200	12.60	13.67	6.39	0.137	0.0	-63	17.6	JB	
1200	200	12.81	13.65	6.40	0.135	0.0	-68	15.0	JB	
1201										SAMPLE

Comments:

Analytical Parameters:

Sample Start Time: 1201
Sample Finish Time:

Weather Conditions:

Revised 04/12

(3) For values greater than 1.
Analytical Methods (EPA): Temp (SM 2550 B); pH (SM 4500-H B); Cond (120.1 and SM 2510 B); DO (SM 4500-O G); Salinity (SM 2520 B); Turbidity (EPA 180.1)
Note. Indicator parametes have stabilized when 3 consecutive readings are within criteria abov

Field Form - Low Flow Purging and Sampling
Ground Water Sampling Measurements and Calculations

Sheet ___ of ___

Weather:

WELL NUMBER	WELL INFORMATION					Date: 4.21.22
MW-11	Well Diameter (inches)	Total (1) Depth (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	TRC Personnel: J. BRINKMANN
PERMIT NUMBER						Site Name: BEL AIR STATION
	4	13.30	8.45	—		Site Location: FALLSTON, MD
						TRC Job Number:

(1) Use a previously determined total depth. Confirm the total depth of well after sampling.
TOC = top of casing

PURGING INFORMATION							TRC METER NUMBERS		
Pump Type	Tubing Type	Pump (2) Intake Depth (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/m)	Total Purge Vol. (gal)	pH:	Cond:	DO:
							Eh:	Turbidity:	NJDEP Cert. No. 07734
MONSOON	LDPE		1035	1110	200		Rental Meter Name:		
							Rental Meter Serial No.:		

(2) Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%[3]		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
1035	200	8.95	13.09	6.17	0.082	4.31	78	89.8		CLEAR
1040	200	8.81	12.52	5.92	0.079	1.17	94	58.7		
1045	200	8.82	12.75	5.88	0.076	1.26	115	43.5		
1050	200	8.84	12.74	5.83	0.072	1.69	132	15.5		
1100	200	8.92	12.67	5.78	0.070	1.50	165	0.0		
1105	200	8.93	12.74	5.78	0.070	1.30	176	0.0		
1106										SAMPLE

Comments:	
Analytical Parameters:	Sample Start Time: 1106
	Sample Finish Time:
Weather Conditions:	

Revised 04/12

(3) For values greater than 1.
Analytical Methods (EPA): Temp (SM 2550 B); pH (SM 4500-H B); Cond (120.1 and SM 2510 B); DO (SM 4500-O G); Salinity (SM 2520 B); Turbidity (EPA 180.1)
Note: Indicator parametes have stabilized when 3 consecutive readings are within criteria above.

Field Form - Low Flow Purging and Sampling
Ground Water Sampling Measurements and Calculations

Sheet ___ of ___

Weather:

WELL NUMBER	WELL INFORMATION					Date: 4/21/22
MW-14	Well Diameter (inches)	Total (1) Depth (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	TRC Personnel: J. BRINKMANN
PERMIT NUMBER						Site Name: BEL AIR STATION
	2	19.68	11.78	—		Site Location: FALLSTON, MD
						TRC Job Number:

(1) Use a previously determined total depth. Confirm the total depth of well after sampling.
TOC = top of casing

PURGING INFORMATION							TRC METER NUMBERS		
Pump Type	Tubing Type	Pump (2) Intake Depth (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/m)	Total Purge Vol. (gal)	pH:	Cond:	DO:
							Eh:	Turbidity:	NJDEP Cert. No. 07734
MONSOON	LDPE		1125	1200	200		Rental Meter Name:		
							Rental Meter Serial No.:		

(2) Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)										
	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%(3)		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
1125	200	11.78	14.21	5.34	0.189	2.38	226	217		CLEAR
1130	200	12.55	13.69	5.15	0.174	1.64	280	151		
1135	200	13.15	13.89	5.27	0.153	2.00	288	52.7		
1140	200	13.36	14.12	5.27	0.161	0.56	286	27.0		
1145	200	13.43	14.34	5.27	0.171	0.56	287	15.0		
1150	200	13.43	14.45	5.26	0.177	0.61	288	8.0		
1155	200	13.40	14.58	5.26	0.178	0.63	289	4.5		
1156										SAMPLE

Comments:

Analytical Parameters:

Sample Start Time: 1156
Sample Finish Time:

Weather Conditions:

Revised 04/12

(3) For values greater than 1.
Analytical Methods (EPA): Temp (SM 2550 B); pH (SM 4500-H B); Cond (120.1 and SM 2510 B); DO (SM 4500-O G); Salinity (SM 2520 B); Turbidity (EPA 180.1)
Note: Indicator parametes have stabilized when 3 consecutive readings are within criteria above.

Field Form - Low Flow Purging and Sampling
Ground Water Sampling Measurements and Calculations

Sheet ___ of ___

Weather:

WELL NUMBER	WELL INFORMATION					Date: 4/21/22
MW-2	Well Diameter (inches)	Total (1) Depth (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	TRC Personnel: J. BRINKMANN
PERMIT NUMBER						Site Name: BEL AIR STATION
	4	17.74	8.82	—		Site Location: FALLSTON, MD
						TRC Job Number:

(1) Use a previously determined total depth. Confirm the total depth of well after sampling.
TOC = top of casing

PURGING INFORMATION							TRC METER NUMBERS		
Pump Type	Tubing Type	Pump (2) Intake Depth (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/m)	Total Purge Vol. (gal)	pH:	Cond:	DO:
							Eh:	Turbidity:	NJDEP Cert. No. 07734
MINSOON	LDPE		1220	1255	200		Rental Meter Name:		
							Rental Meter Serial No.:		

(2) Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)										
	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%(3)		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
1220	200	8.82	17.14	5.33	0.235	4.64	246	9.2		CLEAR
1225	200	9.11	17.23	5.12	0.282	1.23	246	2.2		
1230	200	9.37	17.26	4.99	0.273	0.71	246	0.0		
1235	200	9.56	17.25	4.67	0.318	0.80	247	0.0		
1240	200	9.82	17.21	4.67	0.289	0.11	246	0.0		
1245	200	10.03	17.13	4.68	0.284	0.0	240	0.0		
1250	200	10.21	17.08	4.72	0.312	0.14	232	0.0		
1251										SAMPLE

Comments:

Analytical Parameters:

Sample Start Time: 1251
Sample Finish Time:

Weather Conditions:

Revised 04/12

(3) For values greater than 1.
Analytical Methods (EPA): Temp (SM 2550 B); pH (SM 4500-H B); Cond (120.1 and SM 2510 B); DO (SM 4500-O G); Salinity (SM 2520 B); Turbidity (EPA 180.1)
Note: Indicator parametes have stabilized when 3 consecutive readings are within criteria above.

Field Form - Low Flow Purging and Sampling
Ground Water Sampling Measurements and Calculations

Sheet ___ of ___

WELL NUMBER	WELL INFORMATION					Date: 4/21/22
MW-3	Well Diameter (inches)	Total (1) Depth (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	TRC Personnel: S. BRINKMANN
PERMIT NUMBER						Site Name: BEL AIR STATION
	4	24.72	14.83	—	0.0	Site Location: FALLSTON, MD
						TRC Job Number:

(1) Use a previously determined total depth. Confirm the total depth of well after sampling.
TOC = top of casing

PURGING INFORMATION							TRC METER NUMBERS		
Pump Type	Tubing Type	Pump (2) Intake Depth (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/m)	Total Purge Vol. (gal)	pH:	Cond:	DO:
							Eh:	Turbidity:	NJDEP Cert. No. 07734
MONSOON	LDPE		0930	1005	200		Rental Meter Name:		
							Rental Meter Serial No.:		

(2) Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%(3)		
Time	Flow Rate (ml/m)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (µS/cm)	D.O. (ppm)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
0930	200	14.83	11.67	5.54	0.177	6.56	264	36.6		CLEAR
0935	200	14.87	13.99	5.77	0.141	6.09	254	16.1		
0940	200	14.86	13.11	5.87	0.132	5.44	263	0.0		
0945	200	14.86	14.69	5.88	0.125	5.20	252	0.0		
0950	200	14.87	14.78	5.88	0.118	5.22	244	0.0		
0955	200	14.88	14.80	5.87	0.113	5.19	242	0.0		
1000	200	14.88	13.63	5.96	0.114	6.79	225	0.0		
1001										SAMPLE

Comments: DUP-02 taken @ 10:05

Analytical Parameters:

Sample Start Time:
Sample Finish Time: 10:01

Alkalinity (post-sample):		CHANGE OR DELETE THESE FIELD PARAMETERS AS NEEDED!
Sulfide (post-sample):		CHANGE OR DELETE THESE FIELD PARAMETERS AS NEEDED!
Chloride (post-sample):		CHANGE OR DELETE THESE FIELD PARAMETERS AS NEEDED!

Bubble Gas Purging

			Analytical Parameters:

Sample Start Time:
Sample Finish Time:

Weather Conditions:

Revised 04/12

(3) For values greater than 1.

Note: Indicator parametes have stabilized when 3 consecutive readings are within criteria above.

Analytical Methods (EPA): Temp (SM 2550 B); pH (SM 4500-H B); Cond (120.1 and SM 2510 B); DO (SM 4500-O G); Salinity (SM 2520 B); Turbidity (EPA 180.1)

PID lamp is 10.6 eV, unless otherwise noted.

Turbidity readings are field screening data measured with rental meter; TRC is not certified in New Jersey for this parameter.

Field Form - Low Flow Purging and Sampling
Ground Water Sampling Measurements and Calculations

Sheet 1 of 1

Weather:

WELL NUMBER	WELL INFORMATION					Date:
MW-10	Well Diameter (inches)	Total (1) Depth (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	TRC Personnel: NATHAN MARTIN
PERMIT NUMBER						Site Name: CPC BEL-AIR
						Site Location: PAULSTON MS
	4	.	9.64			TRC Job Number: 486077

(1) Use a previously determined total depth. Confirm the total depth of well after sampling.
TOC = top of casing

PURGING INFORMATION							TRC METER NUMBERS		
Pump Type	Tubing Type	Pump (2) Intake Depth (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/m)	Total Purge Vol. (gal)	pH:	Cond:	DO:
							Eh:	Turbidity:	NJDEP Cert. No.
MONSOON	LOPE		1220	1250	200		Rental Meter Name:		
							Rental Meter Serial No.:		

(2) Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)										
Criteria:		<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%(3)		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
1220	200	9.64	12.44	5.37	.075	3.90	~~44~~ 167	53		
1225	200	9.90	12.43	5.35	.071	7.84	153	31		
1230	200	10.05	12.80	5.24	.049	3.64	172	13		
1235	200	10.10	12.84	5.08	.049	3.63	192	8		
1240	200	10.11	12.81	5.19	.048	3.60	192	6		
1245	200	10.12	12.93	5.11	.068	3.52	201	4		
1250	200	10.12	12.98	5.19	.047	3.49	197	3		
Comments:										
Analytical Parameters:									Sample Start Time: Sample Finish Time: 1255	
Weather Conditions:										

Revised 04/12

(3) For values greater than 1.
Analytical Methods (EPA): Temp (SM 2550 B); pH (SM 4500-H B); Cond (120.1 and SM 2510 B); DO (SM 4500-O G); Salinity (SM 2520 B); Turbidity (EPA 180.1)
Note: Indicator parametes have stabilized when 3 consecutive readings are within criteria abov

Field Form - Low Flow Purging and Sampling
Ground Water Sampling Measurements and Calculations

Sheet 1 of 1

Weather:

WELL NUMBER	WELL INFORMATION					Date: 4.20.22
MW-7	Well Diameter (inches)	Total (1) Depth (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	TRC Personnel: NATHAN MARTIN
PERMIT NUMBER						Site Name: CPR BEL-AIR
	4		12.80	—	0.0	Site Location: HALETON MD
						TRC Job Number: 486077

(1) Use a previously determined total depth. Confirm the total depth of well after sampling.
TOC = top of casing

PURGING INFORMATION							TRC METER NUMBERS		
Pump Type	Tubing Type	Pump (2) Intake Depth (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/m)	Total Purge Vol. (gal)	pH:	Cond:	DO:
							Eh:	Turbidity:	NJDEP Cert. No.
MASTER	LDPE		1000	1030	200		Rental Meter Name:		
							Rental Meter Serial No.:		

(2) Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)										
Criteria:		<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%(3)		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
1000	200	12.80	12.87	5.60	.218	8.13	211	6		
1005	200	~~12.80~~ 13.10	12.84	6.06	.188	7.34	201	8		
1010	200	13.18	12.69	6.21	.172	6.93	195	9		
1015	200	13.10	12.67	6.23	.170	6.60	193	7		
1020	200	13.10	12.54	6.27	.169	6.34	188	6		
1025	200	13.10	12.46	6.32	.168	6.12	185	6		
1030	200	13.12	12.49	6.35	.167	6.13	184	6		
Comments: Dup-01										
Analytical Parameters:									Sample Start Time: Sample Finish Time: 1035	
Weather Conditions:										

Revised 04/12

(3) For values greater than 1.

Analytical Methods (EPA): Temp (SM 2550 B); pH (SM 4500-H B); Cond (120.1 and SM 2510 B); DO (SM 4500-O G); Salinity (SM 2520 B); Turbidity (EPA 180.1)

Note: Indicator parametes have stabilized when 3 consecutive readings are within criteria abov

Field Form - Low Flow Purging and Sampling
Ground Water Sampling Measurements and Calculations

Sheet 1 of 1

Weather:

WELL NUMBER	WELL INFORMATION					Date:
MW-01	Well Diameter (inches)	Total (1) Depth (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	TRC Personnel: NATHAN MARTIN
PERMIT NUMBER						Site Name: CPC BELAIR
						Site Location: FALLSTON MD
	4		~~12~~ 13.70	—	0.0	TRC Job Number: 486077

(1) Use a previously determined total depth. Confirm the total depth of well after sampling.
TOC = top of casing

PURGING INFORMATION							TRC METER NUMBERS		
Pump Type	Tubing Type	Pump (2) Intake Depth (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/m)	Total Purge Vol. (gal)	pH:	Cond:	DO:
							Eh:	Turbidity:	NJDEP Cert. No.
MONSOON	CORE		1045	1115	200		Rental Meter Name:		
							Rental Meter Serial No.:		

(2) Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
Criteria:		<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%(3)		
1045	200	3.70	11.81	5.83	.113	6.18	204	6		
1050	200	3.90	10.65	5.51	.109	5.24	217	5		
1055	200	4.00	10.48	5.45	.108	5.23	223	5		
1100	200	4.04	10.30	5.37	.107	5.20	236	5		
1105	200	4.10	10.31	5.38	.106	5.18	240	5		
1110	200	4.10	10.28	5.40	.106	5.15	242	5		
1115	200	4.11	10.27	5.44	.107	5.14	244	5		

Comments:

Analytical Parameters:

Sample Start Time:
Sample Finish Time: 1120

Weather Conditions:

Revised 04/12

(3) For values greater than 1.

Analytical Methods (EPA): Temp (SM 2550 B); pH (SM 4500-H B); Cond (120.1 and SM 2510 B); DO (SM 4500-O G); Salinity (SM 2520 B); Turbidity (EPA 180.1)

Note: Indicator parametes have stabilized when 3 consecutive readings are within criteria abov

Field Form - Low Flow Purging and Sampling
Ground Water Sampling Measurements and Calculations

Sheet 1 of 1

Weather:

WELL NUMBER	WELL INFORMATION					Date:
MW-4	Well Diameter (inches)	Total (1) Depth (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	TRC Personnel: NATHAN MARTIN
PERMIT NUMBER						Site Name: LPC BEL-AR
						Site Location: FAULSTON MD
	4		11.81	-	0.0	TRC Job Number: 486077

(1) Use a previously determined total depth. Confirm the total depth of well after sampling.
TOC = top of casing

PURGING INFORMATION							TRC METER NUMBERS		
Pump Type	Tubing Type	Pump (2) Intake Depth (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/m)	Total Purge Vol. (gal)	pH:	Cond:	DO:
							Eh:	Turbidity:	NJDEP Cert. No.
MONSOON	LDPE		1130	1200	200		Rental Meter Name:		
							Rental Meter Serial No.:		

(2) Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%(3)		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
1130	200	11.72	13.59	5.39	.650	2.34	244	73		
1135	200	12.11	14.40	5.67	.674	2.00	195	104		
1140	200	12.20	14.54	5.74	.674	2.00	170	78		
1145	200	12.30	14.64	5.84	.672	1.97	161	43		
1150	200	12.33	14.68	5.81	.671	1.95	164	27		
1155	200	12.35	14.74	5.88	.664	1.91	161	12		
1200	200	12.41	14.76	5.82	.660	1.90	164	16		

Comments:

Analytical Parameters:

Sample Start Time:
Sample Finish Time: 1205

Weather Conditions:

Revised 04/12

(3) For values greater than 1.

Analytical Methods (EPA): Temp (SM 2550 B); pH (SM 4500-H B); Cond (120.1 and SM 2510 B); DO (SM 4500-O G); Salinity (SM 2520 B); Turbidity (EPA 180.1)

Note: Indicator parametes have stabilized when 3 consecutive readings are within criteria abov

Field Form - Low Flow Purging and Sampling
Ground Water Sampling Measurements and Calculations

Sheet 1 of 1

Weather:

WELL NUMBER	WELL INFORMATION					Date: 4.21.22
MW-80	Well Diameter (inches)	Total (1) Depth (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	TRC Personnel: NATHAN MARTIN
PERMIT NUMBER						Site Name: CPC BEL-AIR
						Site Location: FALLSTON MD
	2		20.30	—	0.0	TRC Job Number: 486077

(1) Use a previously determined total depth. Confirm the total depth of wel after sampling.
TOC = top of casing

PURGING INFORMATION							TRC METER NUMBERS		
Pump Type	Tubing Type	Pump (2) Intake Depth (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/m)	Total Purge Vol. (gal)	pH:	Cond:	DO:
							Eh:	Turbidity:	NJDEP Cert. No.
							Rental Meter Name:		
MONSOON	LDPE		0925	0955	200		Rental Meter Serial No.:		

(2) Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%$^{(3)}$		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
0925	200	20.30	14.78	5.67	.226	11.25	247	10		
0930	200	20.66	14.92	6.14	.216	5.94	244	176		
0935	200	20.95	14.94	6.11	.214	5.03	238	154		
0940	200	21.00	15.03	6.18	.216	4.64	225	74		
0945	200	21.12	15.08	6.16	.216	4.45	218	46		
0950	200	21.14	15.05	6.15	.216	4.42	214	31		
0955	200	12.20	15.07	6.13	.216	4.43	221	34		

Comments:

Analytical Parameters:

Sample Start Time:
Sample Finish Time: 1000

Weather Conditions:

Revised 04/12

(3) For values greater than 1.

Analytical Methods (EPA): Temp (SM 2550 B); pH (SM 4500-H B); Cond (120.1 and SM 2510 B); DO (SM 4500-O G); Salinity (SM 2520 B); Turbidity (EPA 180.1)

Note: Indicator parametes have stabilized when 3 consecutive readings are within criteria abov

Field Form - Low Flow Purging and Sampling
Ground Water Sampling Measurements and Calculations

Sheet 1 of 1

Weather:

WELL NUMBER	WELL INFORMATION					
MW-8S	Well Diameter (inches)	Total (1) Depth (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	
PERMIT NUMBER	4		15.97	—	0.0	

Date: 4.21.22
TRC Personnel: NATHAN MARTIN
Site Name: CPC BEL-AIR
Site Location: FALLSTON MD
TRC Job Number: 486077

(1) Use a previously determined total depth. Confirm the total depth of wel after sampling.
TOC = top of casing

PURGING INFORMATION						
Pump Type	Tubing Type	Pump (2) Intake Depth (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/m)	Total Purge Vol. (gal)
MONSOON	LDPE		1010		200	

(2) Below TOC

TRC METER NUMBERS		
pH:	Cond:	DO:
Eh:	Turbidity:	NJDEP Cert. No.
Rental Meter Name:		
Rental Meter Serial No.:		

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)

	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%(3)		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
1010	200	15.97	14.86	5.39	.117	3.15	239	48		
1015	200		15.30	5.37	.102	2.91	226	45		
1020	200		15.34	5.25	.105	2.82	232	32		
1025	200		15.51	5.10	.108	2.70	241	21		
1030	200		15.49	5.33	.112	2.57	240	19		
1035	200		15.55	5.37	.116	2.43	233	10		
1040	200		15.59	5.37	.119	2.46	234	9		

Comments:

Analytical Parameters:

Sample Start Time:
Sample Finish Time: 1045

Weather Conditions:

Revised 04/12

(3) For values greater than 1.

Analytical Methods (EPA): Temp (SM 2550 B); pH (SM 4500-H B); Cond (120.1 and SM 2510 B); DO (SM 4500-O G); Salinity (SM 2520 B); Turbidity (EPA 180.1)

Note: Indicator parametes have stabilized when 3 consecutive readings are within criteria abov

Field Form - Low Flow Purging and Sampling
Ground Water Sampling Measurements and Calculations

Weather:

WELL NUMBER	WELL INFORMATION					Date: 4.21.22
MW-4	Well Diameter (inches)	Total (1) Depth (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	TRC Personnel: NATHAN MARTIN
PERMIT NUMBER						Site Name: CPC BEL-AIR
						Site Location: BALLSTON MD
	2		24.60	—	0.0	TRC Job Number: 486077

(1) Use a previously determined total depth. Confirm the total depth of well after sampling.
TOC = top of casing

PURGING INFORMATION							TRC METER NUMBERS		
Pump Type	Tubing Type	Pump (2) Intake Depth (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/m)	Total Purge Vol. (gal)	pH:	Cond:	DO:
							Eh:	Turbidity:	NJDEP Cert. No.
MONSOON	LDPE		1055		200		Rental Meter Name:		
							Rental Meter Serial No.:		

(2) Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)										
	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%(3)		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
1055	200	24.60	14.64	5.31	.191	3.11	254	2		
1100	200	24.82	14.69	5.30	.192	2.94	242	1		
1105	200	25.61	14.97	5.50	.193	2.79	236	2		
1110	200	25.90	15.15	5.57	.192	2.72	233	2		
1115	200	26.34	15.15	5.59	.192	2.58	228	2		
1120	200	26.99	15.14	5.89	.193	2.51	217	2		
1125	200	26.82	15.18	5.88	.193	2.44	222	1		
1130	200	26.80	15.21	5.82	.193	2.46	219	1		

Comments:

Analytical Parameters:

Sample Start Time:
Sample Finish Time: 1135

Weather Conditions:

Revised 04/12

(3) For values greater than 1.

Analytical Methods (EPA): Temp (SM 2550 B); pH (SM 4500-H B); Cond (120.1 and SM 2510 B); DO (SM 4500-O G); Salinity (SM 2520 B); Turbidity (EPA 180.1)

Note: Indicator parametes have stabilized when 3 consecutive readings are within criteria abov

Field Form - Low Flow Purging and Sampling
Ground Water Sampling Measurements and Calculations

Sheet 1 of 1

Weather:

WELL NUMBER	WELL INFORMATION					Date: 4.21.22
MW-13	Well Diameter (inches)	Total (1) Depth (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	TRC Personnel: NATHAN MARTIN
PERMIT NUMBER						Site Name: CPC BEL-AIR
			18.20			Site Location: FALLSTON MD
						TRC Job Number: 486077

(1) Use a previously determined total depth. Confirm the total depth of well after sampling.
TOC = top of casing

PURGING INFORMATION							TRC METER NUMBERS		
Pump Type	Tubing Type	Pump (2) Intake Depth (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/m)	Total Purge Vol. (gal)	pH:	Cond:	DO:
							Eh:	Turbidity:	NJDEP Cert. No.
MONSOON	HDPE				200		Rental Meter Name:		
							Rental Meter Serial No.:		

(2) Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)										
	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%(3)		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
1145	200	18.20	15.01	5.38	.234	0.87	241	8		CLEAR
1150	200		15.34	5.38	.230	0.67	237	14		
1155	200		15.46	5.49	.231	0.60	230	14		
1200	200		15.47	5.34	.231	0.56	238	13		
1205	200		15.55	5.51	.230	0.54	222	12		
1210	200		15.58	5.43	.231	0.51	228	12		
1215	200		15.56	5.45	.231	0.50	222	10		
1220	200									

Comments:

Analytical Parameters:

Sample Start Time:
Sample Finish Time: 1225

Weather Conditions:

Revised 04/12

(3) For values greater than 1.

Analytical Methods (EPA): Temp (SM 2550 B); pH (SM 4500-H B); Cond (120.1 and SM 2510 B); DO (SM 4500-O G); Salinity (SM 2520 B); Turbidity (EPA 180.1)

Note: Indicator parametes have stabilized when 3 consecutive readings are within criteria abov

Field Form - Low Flow Purging and Sampling
Ground Water Sampling Measurements and Calculations

Sheet 1 of 1

Weather:

WELL NUMBER	WELL INFORMATION					Date: 4.21.22
	Well Diameter (inches)	Total (1) Depth (ft)	Depth to Water TOC (ft)	Depth to Product TOC (ft)	PID (ppm)	TRC Personnel: NATHAN MARTIN
MW-12						Site Name: CPC BEL-AIR
PERMIT NUMBER						Site Location: FALLSTON MD
			24.04			TRC Job Number: 486077

(1) Use a previously determined total depth. Confirm the total depth of wellafter sampling.
TOC = top of casing

PURGING INFORMATION							TRC METER NUMBERS		
Pump Type	Tubing Type	Pump (2) Intake Depth (ft)	Purge Start Time	Purge Stop Time	Flow Rate (ml/m)	Total Purge Vol. (gal)	pH:	Cond:	DO:
							Eh:	Turbidity:	NJDEP Cert. No.
MONSOON	LDPE				200		Rental Meter Name:		
							Rental Meter Serial No.:		

(2) Below TOC

PURGING PARAMETERS (measurements are to be taken approximately every 5 minutes)										
	Criteria:	<0.3 ft	± 3%	± 0.1 su	± 3%	± 10%	± 10 mv	± 10%(3)		
Time	Flow Rate (ml/min)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (mg/L)	ORP (mv)	Turbidity (NTU)	Initials	Water Conditions/Comments
1230	200	24.04	15.51	5.83	.201	0.72	209	3		
1235	200	24.18	15.74	5.82	.194	0.48	181	0		
1240	200	24.33	15.89	5.83	.195	0.46	135	1		
1245	200		16.05	5.83	.193	0.45	114	1		
1250	200		16.08	5.82	.192	0.45	107	1		
1255	200		16.12	5.83	.191	0.45	106	1		
1300	200		16.14	5.82	.190	0.44	105	1		
Comments:										
Analytical Parameters:										Sample Start Time: Sample Finish Time: 1305
Weather Conditions:										

Revised 04/12

(3) For values greater than 1.

Analytical Methods (EPA): Temp (SM 2550 B); pH (SM 4500-H B); Cond (120.1 and SM 2510 B); DO (SM 4500-O G); Salinity (SM 2520 B); Turbidity (EPA 180.1)

Note: Indicator parametes have stabilized when 3 consecutive readings are within criteria abov

TRC

FIELD INSTRUMENT AND CALIBRATION SHEET

Project Name: BEL AIR STATION Project No. _____

Personnel: J. BRINKMANN

Date: 4.21.22 Start Time: _____ End Time: _____

Meter (make/model)	Serial # / Supplier #
pH	
DO	
Conductivity	
Turbidity	
ORP	
Temperature	

pH Calibration (2-point minimum)

Buffer	Initial Reading (SU)	Post-Cal Reading (SU)	Temperature (°C)	Lot #/Exp. Date of Solution
7				
4	4.01	4.00	17.98	*
10				

Dissolved Oxygen Calibration

Air Temp (°C)	Barometric Press. (mmHg)	Initial Saturation (%)	Initial Reading (mg/L)	Post-Cal Reading (%)	Post-Cal Reading (mg/L)
					10.63

Specific Conductance (2-point)

Standard	Initial Reading (mS/cm or uS/cm)	Post-Cal Reading (mS/cm or uS/cm)	Temperature (°C)	Lot #/Exp. Date of Solution
0.0		---	---	---
~~4.49~~ 1.413	4.86	4.53	17.98	*

Turbidity Calibration (2-point)

Standard	Initial Reading (NTU)	Post-Cal Reading (NTU)	Temperature (°C)	Lot #/Exp. Date of Solution
0.0	20.2	0.0	17.98	*
126.0				

Oxidation Reduction Potential

Standard	Initial Reading (mV)	Post-Cal Reading (mV)	Temperature (°C)	Lot #/Exp. Date of Solution
		304	17.98	

Calibration Ranges

pH: +/- 0.2 SU | DO: Varies | Cond: +/- 1% | Turb: +/- 5% | ORP: +/- 25 mV

Problems Encountered	Corrective Action

Notes

* AUTOCAL STANDARD, pH 4.0, 4.49 mS/cm CODE: UEAC6004-P
LOT: 2GC146 EXP: 3/23

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME: CPC BEL-AIR	MODEL: HORIBA	SAMPLER: NATHAN MARTIN
PROJECT NO.: 486077	SERIAL #:	DATE: 4.20.2022

PH CALIBRATION CHECK

pH 7 (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	CAL. RANGE	TIME
/	4.0 / 4.0	WITHIN RANGE	0830
/	/	WITHIN RANGE	
/	/	WITHIN RANGE	
/	/	WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
4.49 mS/cm / 4.49 mS/cm		WITHIN RANGE	0830
/		WITHIN RANGE	
/		WITHIN RANGE	
/		WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
/		WITHIN RANGE	
/		WITHIN RANGE	
/		WITHIN RANGE	
/		WITHIN RANGE	

D.O. CALIBRATION CHECK

CAL. READING POST-CAL. READING / SATURATED AIR	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
/		WITHIN RANGE	
/		WITHIN RANGE	
/		WITHIN RANGE	
/		WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	(LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	CAL. RANGE	TIME
/	/	WITHIN RANGE	
/	/	WITHIN RANGE	
/	/	WITHIN RANGE	
/	/	WITHIN RANGE	

COMMENTS

AUTOCAL SOLUTION (LOT #): (EXP. DATE):	STANDARD SOLUTION (S) LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK
CALIBRATED PARAMETERS	CALIBRATION RANGES [1]
pH	pH: +/- 0.2 S.U.
COND	COND: +/- 1% OF CAL. STANDARD
ORP	ORP: +/- 25 mV
D.O.	D.O.: VARIES
TURB	TURB: +/- 5% OF CAL. STANDARD
_____	[1] CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER
_____	

NOTES

Autocal Standards pH 4.0
4.49 mS/cm
Lot: 24C144 Exp: MAR 2023

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

SIGNED 4/20/22 DATE

CHECKED BY DATE

REVISED 06/2011

TRC

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME: CPC BELAIR	MODEL: HORIBA	SAMPLER: JASPER BRINKMANN
PROJECT NO.: 48077	SERIAL #:	DATE: 4.20.2022

PH CALIBRATION CHECK

pH 7 (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	CAL. RANGE	TIME
/	4.0 / 4.0	WITHIN RANGE	0845
/	/	WITHIN RANGE	
/	/	WITHIN RANGE	
/	/	WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
4.49 / 4.49 mS/cm / mS/cm		WITHIN RANGE	0845
/		WITHIN RANGE	
/		WITHIN RANGE	
/		WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
/		WITHIN RANGE	
/		WITHIN RANGE	
/		WITHIN RANGE	
/		WITHIN RANGE	

D.O. CALIBRATION CHECK

CAL. READING POST-CAL. READING/SATURATED AIR	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
/		WITHIN RANGE	
/		WITHIN RANGE	
/		WITHIN RANGE	
/		WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	(LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	CAL. RANGE	TIME
/	/	WITHIN RANGE	
/	/	WITHIN RANGE	
/	/	WITHIN RANGE	
/	/	WITHIN RANGE	

COMMENTS

AUTOCAL SOLUTION (LOT #): (EXP. DATE):	STANDARD SOLUTION (S) LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK
CALIBRATED PARAMETERS	CALIBRATION RANGES [1]
pH	pH: +/- 0.2 S.U.
COND	COND: +/- 1% OF CAL. STANDARD
ORP	ORP: +/- 25 mV
D.O.	D.O.: VARIES
TURB	TURB: +/- 5% OF CAL. STANDARD
_____	[1] CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER
_____	

NOTES

AUTOCAL STANDARD : pH 4.0
4.49 4.49 mS/cm
LOT: 2GC146 EXP: MAR 23

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

SIGNED 4.20.2022 DATE

CHECKED BY DATE

REVISED 06/2011

APPENDIX E

Groundwater Analytical Data Summary Master Table – Monitoring Wells (2018 – 2022)

APPENDIX E

Groundwater Analytical Data Summary Master Table – Monitoring Wells (2018 – 2022)

Colonial Pipeline Company - Bel Air Pump Station

Sample No.:			MW-1																																																					
Date Sampled:			4/5/2018			7/11/2018			10/18/2018			1/11/2019			4/2/2019			7/9/2019			10/10/2019			1/6/2020			4/30/2020			7/29/2020			DUP-1 7/29/2020			10/22/2020			1/21/2021			4/21/2021			7/22/2021			10/27/2021			1/21/2022			4/20/2022		
Lab Sample ID:			18040603-01			18071207-01			18101903-03			19011104-01			19040216-02			19070908-02			19101001-01			20010706-04			20043003-11			20072907-03			20072907-06			20102206-03			21012102-22			21042203-11			21072205			21102705-04			22012104-09			22042006-02		
Lab:			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	***CAS No.***	***MD GWQS***	*Result*	*Q*	*LLQ*	*Result*	*Q*	*LLQ*	*Result*	*Q*	*LLQ*	*Result*	*Q*	*LLQ*	*Result*	*Q*	*LLQ*	*Result*	*Q*	*LLQ*	*Result*	*Q*	*LLQ*	*Result*	*Q*	*LLQ*	*Result*	*Q*	*LLQ*	*Result*	*Q*	*LLQ*	*Result*	*Q*	*LLQ*	*Result*	*Q*	*LLQ*	*Result*	*Q*	*LLQ*	*Result*	*Q*	*LLQ*	*Result*	*Q*	*LLQ*	*Result*	*Q*	*LLQ*	*Result*	*Q*	*LLQ*	*Result*	*Q*	*LLQ*
Dichlorodifluoromethane	*75-71-8*	*--*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	*74-87-3*	*19*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	*75-01-4*	*2*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	*74-83-9*	*0.75*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	*75-00-3*	*2,100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	*75-69-4*	*--*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	*75-35-4*	*7*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	*76-13-1*	*--*	ND		5	ND		5	ND		5	ND		5	NA		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	*67-64-1*	*1,400*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		200	ND		200	ND		200	ND		25	ND		25	ND		25
Carbon Disulfide	*75-15-0*	*81*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	*79-20-9*	*--*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	*75-09-2*	*5*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	*156-60-5*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*20*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	*75-34-3*	*2.8*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	*156-59-2*	*70*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	*78-93-3*	*560*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	*67-66-3*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	*71-55-6*	*200*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	*110-82-7*	*--*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	*56-23-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	*71-43-2*	*5*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
1,2-Dichloroethane (EDC)	*107-06-2*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	*79-01-6*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	*108-87-2*	*--*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	*78-87-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	*75-27-4*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	*10061-01-5*	*--*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	*108-10-1*	*630*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	*108-88-3*	*1,000*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	*10061-02-6*	*--*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	*79-00-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	*127-18-4*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	*591-78-6*	*--*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	*124-48-1*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	*106-93-4*	*0.05*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	*108-90-7*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	*100-41-4*	*700*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	*179601-23-1*	*--*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	*95-47-6*	*--*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	*1330-20-7*	*10,000*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	*100-42-5*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	*75-25-2*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	*98-82-8*	*45*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.076*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	*108-67-8*	*6*	NA			NA			NA			NA			NA			ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	*95-63-6*	*5.6*	NA			NA			NA			NA			NA			ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	*541-73-1*	*--*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	*106-46-7*	*75*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	*95-50-1*	*600*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.2*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	*120-82-1*	*70*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	*90-20-3*	*0.17*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	*637-92-3*	*--*	ND		25	ND		25	ND		25	ND		25	NA		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	*75-65-0*	*--*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	*108-20-3*	*--*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	*994-05-8*	*--*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	*75-85-4*	*--*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	*919-94-8*	*--*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	*68476-30-2*	*47*	ND		210	ND		200	ND		210	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		210	ND		200	ND		200	ND		200	ND		200	ND		200
Gasoline Range Organics (GRO)	*8006-61-9*	*47*	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200

Values are reported in micrograms per liter (µg/L)
GWQS: MD Groundwater Quality Standard-Type I Aquifers
Yellow shade indicates result above MD GWQS
Gray shade indicates LLQ above applicable criterion.
ND = Not Detected above LLQ
NA = Not Analyzed
LLQ = Lowest Level of Quantitation

Notes: MW-5 was converted to a recovery well on
May 16, 2019 and changed to RW-5. MW-8 is sometimes identified as
MW-8S in laboratory deliverables.

APPENDIX E

Groundwater Analytical Data Summary Master Table – Monitoring Wells (2018 – 2022)

Colonial Pipeline Company - Bel Air Pump Station

		Sample No.:	MW-2														
		Date Sampled:	4/16/2018			7/12/2018			Dup-01 7/12/2018			10/18/2018			1/11/2019		
		Lab Sample ID:	18041603-01			18071207-08			18071207-06			18101903-04			19011104-02		
		Lab:	Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	**CAS No.**	**MD GWQS**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**
Dichlorodifluoromethane	75-71-8	--	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	74-87-3	19	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	75-01-4	2	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	74-83-9	0.75	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	75-00-3	2,100	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	75-69-4	--	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	75-35-4	7	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	76-13-1	--	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	67-64-1	1,400	ND		25	ND		25	ND		25	ND		25	ND		25
Carbon Disulfide	75-15-0	81	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	79-20-9	--	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	75-09-2	5	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	156-60-5	100	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	1634-04-4	20	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	75-34-3	2.8	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	156-59-2	70	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	78-93-3	560	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	67-66-3	80	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	71-55-6	200	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	110-82-7	--	ND		5	12		5	12		5	13		5	16		5
Carbon tetrachloride	56-23-5	5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	71-43-2	5	**59**		1	**83**		1	**85**		1	**66**		1	**44**		1
1,2-Dichloroethane (EDC)	107-06-2	5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	79-01-6	5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	108-87-2	--	ND		5	5		5	5		5	10		5	7		5
1,2-Dichloropropane	78-87-5	5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	75-27-4	80	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	10061-01-5	--	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	108-10-1	630	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	108-88-3	1,000	200		1	26		1	27		1	3		1	ND		1
trans-1,3-Dichloropropene	10061-02-6	--	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	79-00-5	5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	127-18-4	5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	591-78-6	--	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	124-48-1	80	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	106-93-4	0.05	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	108-90-7	100	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	100-41-4	700	11		1	5		1	5		1	ND		1	ND		1
m,p-Xylene	179601-23-1	--	62		5	21		5	22		5	ND		5	ND		5
o-Xylene	95-47-6	--	36		5	74		5	77		5	ND		5	ND		5
Xylenes (total)	1330-20-7	10,000	98		10	95		10	99		10	ND		10	ND		10
Styrene	100-42-5	100	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	75-25-2	80	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	98-82-8	45	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	79-34-5	0.076	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	108-67-8	6	NA			NA			NA			NA			NA		
1,2,4-Trimethylbenzene	95-63-6	5.6	NA			NA			NA			NA			NA		
1,3-Dichlorobenzene	541-73-1	--	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	106-46-7	75	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	95-50-1	600	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	96-12-8	0.2	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	120-82-1	70	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	90-20-3	0.17	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	637-92-3	--	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	75-65-0	--	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	108-20-3	--	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	994-05-8	--	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	75-85-4	--	ND		25	210		25	220		25	120		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	919-94-8	--	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	68476-30-2	47	NA			**500**		200	**450**		200	**630**		200	**340**		200
Gasoline Range Organics (GRO)	8006-61-9	47	NA			**2,100**		200	**2,100**		200	**760**		200	**790**		200

		Sample No.:	MW-2														
		Date Sampled:	4/3/2019			7/10/2019			10/9/2019			1/6/2020			4/29/2020		
		Lab Sample ID:	19040304-02			19071005-01			19100908-03			20010706-05			20043003-05		
		Lab:	Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	**CAS No.**	**MD GWQS**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**
Dichlorodifluoromethane	75-71-8	--	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	74-87-3	19	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	75-01-4	2	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	74-83-9	0.75	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	75-00-3	2,100	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	75-69-4	--	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	75-35-4	7	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	76-13-1	--	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	67-64-1	1,400	ND		25	ND		25	ND		25	ND		25	ND		25
Carbon Disulfide	75-15-0	81	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	79-20-9	--	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	75-09-2	5	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	156-60-5	100	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	1634-04-4	20	ND		5	ND		5	7		5	ND		5	ND		5
1,1-Dichloroethane	75-34-3	2.8	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	156-59-2	70	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	78-93-3	560	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	67-66-3	80	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	71-55-6	200	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	110-82-7	--	14		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	56-23-5	5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	71-43-2	5	**20**		1	**13**		1	**11**		1	**16**		1	**8**		1
1,2-Dichloroethane (EDC)	107-06-2	5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	79-01-6	5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	108-87-2	--	9		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	78-87-5	5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	75-27-4	80	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	10061-01-5	--	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	108-10-1	630	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	108-88-3	1,000	2		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	10061-02-6	--	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	79-00-5	5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	127-18-4	5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	591-78-6	--	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	124-48-1	80	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	106-93-4	0.05	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	108-90-7	100	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	100-41-4	700	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	179601-23-1	--	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	95-47-6	--	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	1330-20-7	10,000	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	100-42-5	100	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	75-25-2	80	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	98-82-8	45	ND		5	ND		5	ND		5	ND		5	6		5
1,1,2,2-Tetrachloroethane	79-34-5	0.076	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	108-67-8	6	NA			ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	95-63-6	5.6	NA			ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	541-73-1	--	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	106-46-7	75	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	95-50-1	600	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	96-12-8	0.2	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	120-82-1	70	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	90-20-3	0.17	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	637-92-3	--	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	75-65-0	--	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	108-20-3	--	ND		25	ND		25	36		25	58		25	32		25
tert-Amyl Methyl Ether (TAME)	994-05-8	--	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	75-85-4	--	50		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	919-94-8	--	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	68476-30-2	47	**280**		200	**390**		220	**300**		210	**340**		210	**370**		200
Gasoline Range Organics (GRO)	8006-61-9	47	**1,200**		200	**550**		200	**220**		200	**270**		200	**270**		200

		Sample No.:	MW-2														
		Date Sampled:	DUP-2 4/29/2020			7/29/2020			10/21/2020			1/20/2021			DUP-01 1/20/2021		
		Lab Sample ID:	20043003-07			20072907-11			20102104-05			21012102-11			21012102-12		
		Lab:	Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	**CAS No.**	**MD GWQS**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**
Dichlorodifluoromethane	75-71-8	--	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	74-87-3	19	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	75-01-4	2	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	74-83-9	0.75	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	75-00-3	2,100	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	75-69-4	--	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	75-35-4	7	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	76-13-1	--	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	67-64-1	1,400	ND		25	ND		25	ND		25	ND		25	ND		25
Carbon Disulfide	75-15-0	81	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	79-20-9	--	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	75-09-2	5	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	156-60-5	100	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	1634-04-4	20	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	75-34-3	2.8	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	156-59-2	70	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	78-93-3	560	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	67-66-3	80	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	71-55-6	200	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	110-82-7	--	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	56-23-5	5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	71-43-2	5	**7**		1	**6**		1	5		1	3		1	3		1
1,2-Dichloroethane (EDC)	107-06-2	5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	79-01-6	5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	108-87-2	--	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	78-87-5	5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	75-27-4	80	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	10061-01-5	--	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	108-10-1	630	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	108-88-3	1,000	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	10061-02-6	--	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	79-00-5	5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	127-18-4	5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	591-78-6	--	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	124-48-1	80	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	106-93-4	0.05	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	108-90-7	100	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	100-41-4	700	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	179601-23-1	--	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	95-47-6	--	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	1330-20-7	10,000	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	100-42-5	100	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	75-25-2	80	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	98-82-8	45	5		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	79-34-5	0.076	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	108-67-8	6	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	95-63-6	5.6	ND		5	ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	541-73-1	--	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	106-46-7	75	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	95-50-1	600	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	96-12-8	0.2	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	120-82-1	70	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	90-20-3	0.17	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	637-92-3	--	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	75-65-0	--	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	108-20-3	--	32		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	994-05-8	--	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	75-85-4	--	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	919-94-8	--	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	68476-30-2	47	**410**		200	**420**		200	**540**		200	**480**		200	**480**		200
Gasoline Range Organics (GRO)	8006-61-9	47	**280**		200	ND		200	ND		200	ND		200	ND		200

		Sample No.:	MW-2														
		Date Sampled:	4/21/2021			7/21/2021			10/28/2021			1/21/2022			4/21/2022		
		Lab Sample ID:	21042203-05			21072205-11			21102806-01			22012104-04			22042101-01		
		Lab:	Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	**CAS No.**	**MD GWQS**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**
Dichlorodifluoromethane	75-71-8	--	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	74-87-3	19	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	75-01-4	2	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	74-83-9	0.75	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	75-00-3	2,100	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	75-69-4	--	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	75-35-4	7	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	76-13-1	--	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	67-64-1	1,400	ND		25	ND		25	ND		25	ND		25	ND		25
Carbon Disulfide	75-15-0	81	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	79-20-9	--	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	75-09-2	5	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	156-60-5	100	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	1634-04-4	20	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	75-34-3	2.8	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	156-59-2	70	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	78-93-3	560	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	67-66-3	80	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	71-55-6	200	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	110-82-7	--	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	56-23-5	5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	71-43-2	5	**16**		1	**12**		1	5		1	2		1	4		1
1,2-Dichloroethane (EDC)	107-06-2	5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	79-01-6	5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	108-87-2	--	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	78-87-5	5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	75-27-4	80	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	10061-01-5	--	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	108-10-1	630	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	108-88-3	1,000	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	10061-02-6	--	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	79-00-5	5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	127-18-4	5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	591-78-6	--	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	124-48-1	80	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	106-93-4	0.05	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	108-90-7	100	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	100-41-4	700	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	179601-23-1	--	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	95-47-6	--	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	1330-20-7	10,000	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	100-42-5	100	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	75-25-2	80	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	98-82-8	45	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	79-34-5	0.076	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	108-67-8	6	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	95-63-6	5.6	ND		5	ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	541-73-1	--	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	106-46-7	75	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	95-50-1	600	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	96-12-8	0.2	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	120-82-1	70	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	90-20-3	0.17	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	637-92-3	--	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	75-65-0	--	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	108-20-3	--	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	994-05-8	--	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	75-85-4	--	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	919-94-8	--	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	68476-30-2	47	**220**		200	**220**		200	**270**		200	**320**		200	**370**		190
Gasoline Range Organics (GRO)	8006-61-9	47	**220**		200	ND		200	ND		200	ND		200	**290**		200

Values are reported in micrograms per liter (µg/L)
GWQS: MD Groundwater Quality Standard-Type I Aquifers
Yellow shade indicates result above MD GWQS
Gray shade indicates LLQ above applicable criterion.
ND = Not Detected above LLQ
NA = Not Analyzed
LLQ = Lowest Level of Quantitation

Notes: MW-5 was converted to a recovery well on May 16, 2019 and changed to RW-5. MW-8 is sometimes identified as MW-8S in laboratory deliverables.

APPENDIX E

Groundwater Analytical Data Summary Master Table – Monitoring Wells (2018 – 2022)
Colonial Pipeline Company - Bel Air Pump Station

		Sample No.:	MW-3																	
		Date Sampled: Lab Sample ID: Lab:	4/5/2018 18040603-03 Caliber			7/12/2018 18071207-07 Caliber			10/18/2018 18101903-02 Caliber			1/11/2019 19011104-03 Caliber			4/2/2019 19040216-03 Caliber			7/10/2019 19071005-02 Caliber		
Parameter (µg/L)	CAS No.	MD GWQS	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ
Dichlorodifluoromethane	75-71-8	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	74-87-3	19	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	75-01-4	2	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	74-83-9	0.75	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	75-00-3	2,100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	75-69-4	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	75-35-4	7	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	76-13-1	--	ND		5	ND		5	ND		5	ND		5	NA			ND		5
Acetone	67-64-1	1,400	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Carbon Disulfide	75-15-0	81	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	79-20-9	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	75-09-2	5	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	156-60-5	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	1634-04-4	20	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	75-34-3	2.8	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	156-59-2	70	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	78-93-3	560	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	67-66-3	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	71-55-6	200	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	110-82-7	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	56-23-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	71-43-2	5	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
1,2-Dichloroethane (EDC)	107-06-2	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	79-01-6	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	108-87-2	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	78-87-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	75-27-4	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	10061-01-5	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	108-10-1	630	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	108-88-3	1,000	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	10061-02-6	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	79-00-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	127-18-4	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	591-78-6	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	124-48-1	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	106-93-4	0.05	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	108-90-7	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	100-41-4	700	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	179601-23-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	95-47-6	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	1330-20-7	10,000	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	100-42-5	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	75-25-2	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	98-82-8	45	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	79-34-5	0.076	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	108-67-8	6	NA			NA			NA			NA			NA			ND		5
1,2,4-Trimethylbenzene	95-63-6	5.6	NA			NA			NA			NA			NA			ND		5
1,3-Dichlorobenzene	541-73-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	106-46-7	75	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	95-50-1	600	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	96-12-8	0.2	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	120-82-1	70	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	90-20-3	0.17	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	637-92-3	--	ND		25	ND		25	ND		25	ND		25	NA			ND		25
tert-Butyl Alcohol (TBA)	75-65-0	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	108-20-3	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	994-05-8	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	75-85-4	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	919-94-8	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	68476-30-2	47	ND		200	ND		200	ND		200	**310**		200	**900**		200	ND		200
Gasoline Range Organics (GRO)	8006-61-9	47	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200

		Sample No.:	MW-3																	
		Date Sampled: Lab Sample ID: Lab:	10/10/2019 19101001-02 Caliber			1/6/2020 20010707-04 Caliber			4/30/2020 20043003-12 Caliber			7/29/2020 20072907-04 Caliber			10/22/2020 20102206-04 Caliber			1/21/2021 21012102-17 Caliber		
Parameter (µg/L)	CAS No.	MD GWQS	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ
Dichlorodifluoromethane	75-71-8	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	74-87-3	19	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	75-01-4	2	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	74-83-9	0.75	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	75-00-3	2,100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	75-69-4	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	75-35-4	7	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	76-13-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	67-64-1	1,400	ND		25	ND		25	ND		25	ND		25	ND		25	ND		200
Carbon Disulfide	75-15-0	81	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	79-20-9	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	75-09-2	5	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	156-60-5	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	1634-04-4	20	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	75-34-3	2.8	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	156-59-2	70	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	78-93-3	560	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	67-66-3	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	71-55-6	200	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	110-82-7	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	56-23-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	71-43-2	5	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
1,2-Dichloroethane (EDC)	107-06-2	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	79-01-6	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	108-87-2	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	78-87-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	75-27-4	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	10061-01-5	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	108-10-1	630	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	108-88-3	1,000	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	10061-02-6	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	79-00-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	127-18-4	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	591-78-6	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	124-48-1	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	106-93-4	0.05	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	108-90-7	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	100-41-4	700	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	179601-23-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	95-47-6	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	1330-20-7	10,000	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	100-42-5	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	75-25-2	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	98-82-8	45	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	79-34-5	0.076	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	108-67-8	6	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	95-63-6	5.6	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	541-73-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	106-46-7	75	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	95-50-1	600	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	96-12-8	0.2	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	120-82-1	70	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	90-20-3	0.17	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	637-92-3	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	75-65-0	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	108-20-3	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	994-05-8	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	75-85-4	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	919-94-8	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	68476-30-2	47	ND		200	ND		200	ND		200	ND		200	ND		200	ND		220
Gasoline Range Organics (GRO)	8006-61-9	47	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200

		Sample No.:	MW-3																	
		Date Sampled: Lab Sample ID: Lab:	4/22/2021 21042203-18 Caliber			7/22/2021 21072205-02 Caliber			10/28/2021 21102806-08 Caliber			1/21/2022 22012104-10 Caliber			4/21/2022 22042101-04 Caliber			DUP-02 4/21/2022 22042101-07 Caliber		
Parameter (µg/L)	CAS No.	MD GWQS	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ
Dichlorodifluoromethane	75-71-8	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	74-87-3	19	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	75-01-4	2	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	74-83-9	0.75	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	75-00-3	2,100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	75-69-4	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	75-35-4	7	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	76-13-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	67-64-1	1,400	ND		200	ND		200	ND		25	ND		25	ND		25	ND		25
Carbon Disulfide	75-15-0	81	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	79-20-9	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	75-09-2	5	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	156-60-5	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	1634-04-4	20	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	75-34-3	2.8	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	156-59-2	70	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	78-93-3	560	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	67-66-3	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	71-55-6	200	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	110-82-7	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	56-23-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	71-43-2	5	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
1,2-Dichloroethane (EDC)	107-06-2	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	79-01-6	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	108-87-2	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	78-87-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	75-27-4	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	10061-01-5	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	108-10-1	630	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	108-88-3	1,000	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	10061-02-6	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	79-00-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	127-18-4	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	591-78-6	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	124-48-1	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	106-93-4	0.05	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	108-90-7	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	100-41-4	700	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	179601-23-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	95-47-6	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	1330-20-7	10,000	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	100-42-5	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	75-25-2	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	98-82-8	45	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	79-34-5	0.076	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	108-67-8	6	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	95-63-6	5.6	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	541-73-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	106-46-7	75	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	95-50-1	600	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	96-12-8	0.2	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	120-82-1	70	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	90-20-3	0.17	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	637-92-3	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	75-65-0	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	108-20-3	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	994-05-8	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	75-85-4	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	919-94-8	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	68476-30-2	47	ND		220	ND		220	ND		200	ND		200	ND		200	ND		200
Gasoline Range Organics (GRO)	8006-61-9	47	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200

Values are reported in micrograms per liter (µg/L)
GWQS: MD Groundwater Quality Standard-Type I Aquifers
Yellow shade indicates result above MD GWQS
Gray shade indicates LLQ above applicable criterion.
ND = Not Detected above LLQ
NA = Not Analyzed
LLQ = Lowest Level of Quantitation

Notes: MW-5 was converted to a recovery well on May 16, 2019 and changed to RW-5. MW-8 is sometimes identified as MW-8S in laboratory deliverables.

APPENDIX E

Groundwater Analytical Data Summary Master Table – Monitoring Wells (2018 – 2022)

Colonial Pipeline Company - Bel Air Pump Station

		Sample No.:	MW-4																																																							
		Date Sampled:	4/5/2018			7/11/2018			10/19/2018			1/11/2019			4/3/2019			7/10/2019			Dup-02 7/10/2019			10/9/2019			1/6/2020			4/29/2020			7/29/2020			10/21/2020			1/20/2021			4/21/2021			DUP-01 7/21/2021			7/21/2021			10/27/2021			1/20/2022			4/20/2022		
		Lab Sample ID:	18040603-04			18071207-02			18101903-06			19011104-04			19040304-03			19071005-03			19071005-04			19100908-05			20010707-04			20043003-04			20072907-10			20102104-04			21012102-09			21042203-04			21072205-05			21072205-01			21102705-08			22012007-03			22042006-03		
		Lab:	Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	CAS No.	MD GWQS																																																								
			Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ
Dichlorodifluoromethane	75-71-8	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	74-87-3	19	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	75-01-4	2	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	74-83-9	0.75	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	75-00-3	2,100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	75-69-4	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	75-35-4	7	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	76-13-1	--	ND		5	ND		5	ND		5	ND		5	NA		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	67-64-1	1,400	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Carbon Disulfide	75-15-0	81	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	79-20-9	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	75-09-2	5	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	156-60-5	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	1634-04-4	20	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	75-34-3	2.8	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	156-59-2	70	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	78-93-3	560	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	67-66-3	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	71-55-6	200	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	110-82-7	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	56-23-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	71-43-2	5	ND		1	ND		1	ND		1	**19**		1	**16**		1	**27**		1	**36**		1	4		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
1,2-Dichloroethane (EDC)	107-06-2	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	79-01-6	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	108-87-2	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	78-87-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	75-27-4	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	10061-01-5	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	108-10-1	630	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	108-88-3	1,000	ND		1	ND		1	ND		1	3		1	3		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	10061-02-6	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	79-00-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	127-18-4	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	591-78-6	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	124-48-1	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	106-93-4	0.05	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	108-90-7	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	100-41-4	700	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	179601-23-1	--	ND		5	ND		5	ND		5	30		5	7		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	95-47-6	--	ND		5	ND		5	ND		5	21		5	11		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	1330-20-7	10,000	ND		10	ND		10	ND		10	51		10	18		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	100-42-5	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	75-25-2	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	98-82-8	45	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	79-34-5	0.076	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	108-67-8	6	NA			NA			NA			NA			NA		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	95-63-6	5.6	NA			NA			NA			NA			NA		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	541-73-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	106-46-7	75	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	95-50-1	600	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	96-12-8	0.2	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	120-82-1	70	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	90-20-3	0.17	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	637-92-3	--	ND		25	ND		25	ND		25	ND		25	NA		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	75-65-0	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	108-20-3	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	**26**		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	994-05-8	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	75-85-4	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	919-94-8	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	68476-30-2	47	**220**		200	**240**		200	**340**		200	ND		220	ND		200	ND		220	**260**		220	ND		240	ND		240	**240**		200	ND		200	ND		200	**300**		200	ND		200	ND		200	ND		200	ND		200	ND		190	**300**		200
Gasoline Range Organics (GRO)	8006-61-9	47	ND		200	ND		200	ND		200	**290**		200	**350**		200	**320**		200	**370**		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200

Values are reported in micrograms per liter (µg/L)
GWQS: MD Groundwater Quality Standard-Type I Aquifers
Yellow shade indicates result above MD GWQS
Gray shade indicates LLQ above applicable criterion.
ND = Not Detected above LLQ
NA = Not Analyzed
LLQ = Lowest Level of Quantitation

Notes: MW-5 was converted to a recovery well on May 16, 2019 and changed to RW-5. MW-8 is sometimes identified as MW-8S in laboratory deliverables.

APPENDIX E

Groundwater Analytical Data Summary Master Table – Monitoring Wells (2018 – 2022)

Colonial Pipeline Company - Bel Air Pump Station

Sample No.:			MW-5/RW-5																			
Date Sampled:			4/6/2018			7/11/2018			10/19/2018			Dup-01 10/19/2018			1/11/2019			4/2/2019			DUP-01 4/2/2019			1/7/2020		
Lab Sample ID:			18040603-05			18071207-03			18101903-07			18101903-08			19011104-05			19040216-08			19040216-09			20010708-01		
Lab:			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	***CAS No.***	***MD GWQS***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***
Dichlorodifluoromethane	*75-71-8*	--	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
Chloromethane	*74-87-3*	*19*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
Vinyl Chloride	*75-01-4*	*2*	ND		1	ND		5	ND		40	ND		40	ND		20	ND		200	ND		100	ND		100
Bromomethane	*74-83-9*	*0.75*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
Chloroethane	*75-00-3*	*2,100*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
Trichlorofluoromethane	*75-69-4*	--	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
1,1-Dichloroethene	*75-35-4*	*7*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
1,1,2 Trichlorotrifluoroethane	*76-13-1*	--	ND		5	ND		25	ND		200	ND		200	ND		100	NA			NA			ND		100
Acetone	*67-64-1*	*1,400*	ND		25	300		130	ND		1,000	ND		1,000	ND		500	ND		5,000	ND		2,500	ND		500
Carbon Disulfide	*75-15-0*	*81*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
Methyl Acetate	*79-20-9*	--	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
Methylene chloride	*75-09-2*	*5*	ND		10	ND		50	ND		400	ND		400	ND		200	ND		200	ND		1,000	ND		200
trans-1,2-Dichloroethene	*156-60-5*	*100*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*20*	ND		5	ND		25	ND		200	ND		200	**580**		100	ND		1,000	ND		500	**990**		100
1,1-Dichloroethane	*75-34-3*	*2.8*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
cis-1,2-Dichloroethene	*156-59-2*	*70*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
2-Butanone (MEK)	*78-93-3*	*560*	ND		25	ND		130	ND		1,000	ND		1,000	ND		500	ND		5,000	ND		2,500	ND		100
Chloroform	*67-66-3*	*80*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
1,1,1-Trichloroethane	*71-55-6*	*200*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
Cyclohexane	*110-82-7*	--	ND		5	ND		25	ND		200	ND		200	120		100	ND		1,000	ND		500	200		100
Carbon tetrachloride	*56-23-5*	*5*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
Benzene	*71-43-2*	*5*	ND		1	**880**		5	**11,000**		40	**12,000**		40	**9,900**		200	**13,000**		200	**11,000**		200	**11,000**		20
1,2-Dichloroethane (EDC)	*107-06-2*	*5*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
Trichloroethene (TCE)	*79-01-6*	*5*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
Methylcyclohexane	*108-87-2*	--	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
1,2-Dichloropropane	*78-87-5*	*5*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
Bromodichloromethane	*75-27-4*	*80*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
cis-1,3-Dichloropropene	*10061-01-5*	--	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
4-methyl-2-pentanone (MIBK)	*108-10-1*	*630*	ND		25	ND		130	ND		1,000	ND		1,000	ND		500	ND		5,000	ND		2,500	ND		500
Toluene	*108-88-3*	*1,000*	ND		1	**2,300**		5	**18,000**		40	**15,000**		40	**12,000**		20	**19,000**		200	**16,000**		200	**17,000**		20
trans-1,3-Dichloropropene	*10061-02-6*	--	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
1,1,2-Trichloroethane	*79-00-5*	*5*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
Tetrachloroethene (PCE)	*127-18-4*	*5*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
2-Hexanone (MBK)	*591-78-6*	--	ND		25	ND		130	ND		1,000	ND		1,000	ND		500	ND		5,000	ND		2,500	ND		100
Dibromochloromethane	*124-48-1*	*80*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
1,2-Dibromoethane (EBD)	*106-93-4*	*0.05*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
Chlorobenzene	*108-90-7*	*100*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
Ethylbenzene	*100-41-4*	*700*	ND		1	33		5	**920**		40	**890**		40	**780**		200	**1,000**		200	**850**		200	**910**		20
m,p-Xylene	*179601-23-1*	--	ND		5	400		25	3,500		200	3,200		200	3,000		100	4,300		1,000	3,500		1,000	ND		100
o-Xylene	*95-47-6*	--	ND		5	320		25	1,700		200	1,500		200	1,400		100	1,900		1,000	1,600		1,000	5,800		100
Xylenes (total)	*1330-20-7*	*10,000*	ND		10	720		50	5,200		400	4,700		400	4,400		200	6,200		2,000	5,100		2,000	3,100		200
Styrene	*100-42-5*	*100*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
Bromoform	*75-25-2*	*80*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
Isopropylbenzene	*98-82-8*	*45*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.076*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		500
1,3,5-Trimethylbenzene	*108-67-8*	*6*	NA			NA			NA			NA			NA			NA			NA			**460**		100
1,2,4-Trimethylbenzene	*95-63-6*	*5.6*	NA			NA			NA			NA			NA			NA			NA			**1,600**		100
1,3-Dichlorobenzene	*541-73-1*	--	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
1,4-Dichlorobenzene	*106-46-7*	*75*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
1,2-Dichlorobenzene	*95-50-1*	*600*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.2*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
1,2,4-Trichlorobenzene	*120-82-1*	*70*	ND		5	ND		25	ND		200	ND		200	ND		100	ND		1,000	ND		500	ND		100
Naphthalene	*90-20-3*	*0.17*	ND		10	ND		50	ND		400	ND		400	**210**		200	ND		200	ND		1,000	ND		200
Ethyl t-Butyl Ether (ETBE)	*637-92-3*	--	ND		25	ND		130	ND		1,000	ND		1,000	ND		500	NA			NA			ND		500
tert-Butyl Alcohol (TBA)	*75-65-0*	--	ND		25	ND		130	ND		1,000	ND		1,000	ND		500	ND		5,000	ND		2,500	ND		500
Diisopropyl ether (DIPE)	*108-20-3*	--	ND		25	ND		130	2,100		1,000	1,600		1,000	4,000		500	3,700		3,000	3,100		3,000	5,900		500
tert-Amyl Methyl Ether (TAME)	*994-05-8*	--	ND		25	ND		130	ND		1,000	ND		1,000	ND		500	ND		5,000	ND		2,500	ND		500
tert-Amyl Alcohol (TAA)	*75-85-4*	--	ND		25	1,000		130	7,700		1,000	6,000		1,000	ND		500	6,600		5,000	5,200		5,000	ND		500
tert-Amyl Ethyl Ether (TAEE)	*919-94-8*	--	ND		25	ND		130	ND		1,000	ND		1,000	ND		500	ND		5,000	ND		2,500	ND		500
Diesel Range Organics (DRO)	*68476-30-2*	*47*	ND		200	**760**		200	**8,200**		200	**8,800**		200	**10,000**		200	**9,900**		200	**9,600**		200	**10,000**		227
Gasoline Range Organics (GRO)	*8006-61-9*	*47*	ND		200	**12,000**		200	**34,000**		200	**34,000**		200	**14,000**		200	**100,000**		200	**75,000**		200	**29,000**		200

Values are reported in micrograms per liter (µg/L)
GWQS: MD Groundwater Quality Standard-Type I Aquifers
Yellow shade indicates result above MD GWQS
Gray shade indicates LLQ above applicable criterion.
ND = Not Detected above LLQ
NA = Not Analyzed
LLQ = Lowest Level of Quantitation
Notes: MW-5 was converted to a recovery well on May 16, 2019 and changed to RW-5. MW-8 is sometimes identified as MW-8S in laboratory deliverables.

APPENDIX E

Groundwater Analytical Data Summary Master Table – Monitoring Wells (2018 – 2022)

Colonial Pipeline Company - Bel Air Pump Station

		Sample No.:	MW-6																							
														DUP-1										DUP-1		
		Date Sampled:	4/6/2018			7/12/2018			10/18/2018			1/11/2019			1/11/2019			4/3/2019			7/9/2019			7/9/2019		
		Lab Sample ID:	18040603-06			18071207-09			18101903-01			19011104-06			19011104-07			19040304-04			19070908-04			19070908-05		
		Lab:	Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	CAS No.	MD GWQS	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ
Dichlorodifluoromethane	75-71-8	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	74-87-3	19	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	75-01-4	2	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	74-83-9	0.75	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	75-00-3	2,100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	75-69-4	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	75-35-4	7	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	76-13-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	NA			ND		5	ND		5
Acetone	67-64-1	1,400	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Carbon Disulfide	75-15-0	81	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	79-20-9	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	75-09-2	5	ND		10	ND		10	ND		10	ND		15	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	156-60-5	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	1634-04-4	20	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	75-34-3	2.8	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	156-59-2	70	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	78-93-3	560	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	67-66-3	80	ND		5	ND		5	ND		5	ND		5	5		1	6		5	9		5	9		5
1,1,1-Trichloroethane	71-55-6	200	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	110-82-7	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	56-23-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	71-43-2	5	ND		1	ND		1	4		1	2		1	2		1	ND		1	**47**		1	**48**		1
1,2-Dichloroethane (EDC)	107-06-2	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	79-01-6	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	108-87-2	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	78-87-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	75-27-4	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	10061-01-5	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	108-10-1	630	ND		25	ND		25	ND		25	ND		25	2		2	ND		25	ND		25	ND		25
Toluene	108-88-3	1,000	ND		1	ND		1	ND		1	ND		1	2		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	10061-02-6	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	79-00-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	127-18-4	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	591-78-6	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	124-48-1	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	106-93-4	0.05	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	108-90-7	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	100-41-4	700	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	179601-23-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	95-47-6	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	16		5	16		5
Xylenes (total)	1330-20-7	10,000	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	16		10	16		10
Styrene	100-42-5	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	75-25-2	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	98-82-8	45	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	79-34-5	0.076	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	108-67-8	6	NA			NA			NA			NA			NA			NA			ND		5	ND		5
1,2,4-Trimethylbenzene	95-63-6	5.6	NA			NA			NA			NA			NA			NA			ND		5	ND		5
1,3-Dichlorobenzene	541-73-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	106-46-7	75	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	95-50-1	600	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	96-12-8	0.2	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	120-82-1	70	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	90-20-3	0.17	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	637-92-3	--	ND		25	ND		25	ND		25	ND		25	ND		25	NA			ND		25	ND		25
tert-Butyl Alcohol (TBA)	75-65-0	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	108-20-3	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	994-05-8	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	75-85-4	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	919-94-8	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	68476-30-2	47	**210**		200	ND		200	ND		200	ND		200	ND		210	ND		200	ND		210	ND		210
Gasoline Range Organics (GRO)	8006-61-9	47	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	**520**		200	**530**		200

		Sample No.:	MW-6																			
						DUP-01						DUP-1									DUP-6		
		Date Sampled:	10/9/2019			10/9/2019			1/6/2020			1/6/2020			4/30/2020			7/30/2020			7/30/2020		
		Lab Sample ID:	19100908-07			19100908-08			20010707			20010707-06			20043003-13			20073005-01			20073005-04		
		Lab:	Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	CAS No.	MD GWQS	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ
Dichlorodifluoromethane	75-71-8	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	74-87-3	19	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	75-01-4	2	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	74-83-9	0.75	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	75-00-3	2,100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	75-69-4	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	75-35-4	7	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	76-13-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	67-64-1	1,400	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Carbon Disulfide	75-15-0	81	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	79-20-9	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	75-09-2	5	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	156-60-5	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	1634-04-4	20	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	75-34-3	2.8	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	156-59-2	70	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	78-93-3	560	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	67-66-3	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	71-55-6	200	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	110-82-7	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	56-23-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	71-43-2	5	**36**		1	**36**		1	3		1	3		1	ND		1	ND		1	ND		1
1,2-Dichloroethane (EDC)	107-06-2	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	79-01-6	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	108-87-2	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	78-87-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	75-27-4	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	10061-01-5	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	108-10-1	630	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	108-88-3	1,000	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	10061-02-6	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	79-00-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	127-18-4	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	591-78-6	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	124-48-1	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	106-93-4	0.05	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	108-90-7	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	100-41-4	700	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	179601-23-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	95-47-6	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	1330-20-7	10,000	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	100-42-5	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	75-25-2	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	98-82-8	45	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	79-34-5	0.076	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	108-67-8	6	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	95-63-6	5.6	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	541-73-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	106-46-7	75	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	95-50-1	600	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	96-12-8	0.2	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	120-82-1	70	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	90-20-3	0.17	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	637-92-3	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	75-65-0	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	108-20-3	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	994-05-8	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	75-85-4	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	919-94-8	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	68476-30-2	47	ND		210	ND		210	ND		220	ND		220	ND		200	ND		200	ND		200
Gasoline Range Organics (GRO)	8006-61-9	47	**260**		200	**330**		200	ND		200	ND		200	ND		200	ND		200	ND		200

		Sample No.:	MW-6																			
		Date Sampled:	10/22/2020			1/21/2021			4/22/2021			7/22/2021			10/27/2021			2/3/2022			4/21/2022		
		Lab Sample ID:	20102206-06			21012102-13			21042203-13			21072205-15			21102705-09			22020302-02			22042102-03		
		Lab:	Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	CAS No.	MD GWQS	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ
Dichlorodifluoromethane	75-71-8	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	74-87-3	19	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	75-01-4	2	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	74-83-9	0.75	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	75-00-3	2,100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	75-69-4	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	75-35-4	7	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	76-13-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	67-64-1	1,400	ND		25	ND		200	ND		200	ND		200	ND		25	ND		25	ND		25
Carbon Disulfide	75-15-0	81	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	79-20-9	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	75-09-2	5	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	156-60-5	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	1634-04-4	20	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	75-34-3	2.8	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	156-59-2	70	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	78-93-3	560	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	67-66-3	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	71-55-6	200	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	110-82-7	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	56-23-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	71-43-2	5	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
1,2-Dichloroethane (EDC)	107-06-2	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	79-01-6	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	108-87-2	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	78-87-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	75-27-4	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	10061-01-5	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	108-10-1	630	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	108-88-3	1,000	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	10061-02-6	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	79-00-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	127-18-4	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	591-78-6	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	124-48-1	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	106-93-4	0.05	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	108-90-7	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	100-41-4	700	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	179601-23-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	95-47-6	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	1330-20-7	10,000	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	100-42-5	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	75-25-2	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	98-82-8	45	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	79-34-5	0.076	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	108-67-8	6	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	95-63-6	5.6	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	541-73-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	106-46-7	75	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	95-50-1	600	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	96-12-8	0.2	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	120-82-1	70	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	90-20-3	0.17	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	637-92-3	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	75-65-0	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	108-20-3	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	994-05-8	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	75-85-4	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	919-94-8	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	68476-30-2	47	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		210
Gasoline Range Organics (GRO)	8006-61-9	47	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200

Values are reported in micrograms per liter (µg/L)

GWQS: MD Groundwater Quality Standard-Type I Aquifers

Yellow shade indicates result above MD GWQS

Gray shade indicates LLQ above applicable criterion.

ND = Not Detected above LLQ

NA = Not Analyzed

LLQ = Lowest Level of Quantitation

Notes: MW-5 was converted to a recovery well on May 16, 2019 and changed to RW-5. MW-8 is sometimes identified as MW-8S in laboratory deliverables.

APPENDIX E

Groundwater Analytical Data Summary Master Table – Monitoring Wells (2018 – 2022)

Colonial Pipeline Company - Bel Air Pump Station

Sample No.:			MW-7																																	
Date Sampled:			4/3/2019			7/9/2019			10/9/2019			1/6/2020			1/23/2020			4/29/2020			7/29/2020			10/21/2020			1/20/2021			4/21/2021			7/29/2021			10/27/2021		
Lab Sample ID:			19040304-01			19070908-03			19100908-02			20010707-03			20012301-01			20043003-01			20072907-07			20102104-01			21012102-06			21042203-01			21072901-01			21102705-05		
Lab:			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	***CAS No.***	***MD GWQS***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***
Dichlorodifluoromethane	*75-71-8*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	*74-87-3*	*19*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	*75-01-4*	*2*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	*74-83-9*	*0.75*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	*75-00-3*	*2,100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	*75-69-4*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	*75-35-4*	*7*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	*76-13-1*	--	NA			ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	*67-64-1*	*1,400*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Carbon Disulfide	*75-15-0*	*81*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	*79-20-9*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	*75-09-2*	*5*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	*156-60-5*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*20*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	*75-34-3*	*2.8*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	*156-59-2*	*70*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	*78-93-3*	*560*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	*67-66-3*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	*71-55-6*	*200*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	*110-82-7*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	*56-23-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	*71-43-2*	*5*	ND		1	ND		1	ND		1	5		1	ND		1	5		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
1,2-Dichloroethane (EDC)	*107-06-2*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	*79-01-6*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	*108-87-2*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	*78-87-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	*75-27-4*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	*10061-01-5*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	*108-10-1*	*630*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	*108-88-3*	*1,000*	ND		1	ND		1	ND		1	3		1	ND		1	7		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	*10061-02-6*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	*79-00-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	*127-18-4*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	*591-78-6*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	*124-48-1*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	*106-93-4*	*0.05*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	*108-90-7*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	*100-41-4*	*700*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	*179601-23-1*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	*95-47-6*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	*1330-20-7*	*10,000*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	*100-42-5*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	*75-25-2*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	*98-82-8*	*45*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.076*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	*108-67-8*	*6*	NA			ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	*95-63-6*	*5.6*	NA			ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	*541-73-1*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	*106-46-7*	*75*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	*95-50-1*	*600*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.2*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	*120-82-1*	*70*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	*90-20-3*	*0.17*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	*637-92-3*	--	NA			ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	*75-65-0*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	*108-20-3*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	*994-05-8*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	*75-85-4*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	*919-94-8*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	*68476-30-2*	*47*	ND		200	ND		210	ND		200	ND		210	NA		NA	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200
Gasoline Range Organics (GRO)	*8006-61-9*	*47*	ND		200	ND		200	**460**		200	ND		200	NA		NA	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200

Values are reported in micrograms per liter (µg/L)
GWQS: MD Groundwater Quality Standard-Type I Aquifers
Yellow shade indicates result above MD GWQS
Gray shade indicates LLQ above applicable criterion.
ND = Not Detected above LLQ
NA = Not Analyzed
LLQ = Lowest Level of Quantitation
Notes: MW-5 was converted to a recovery well on May 16, 2019 and changed to RW-5. MW-8 is sometimes identified as MW-8S in laboratory deliverables.

APPENDIX E

Groundwater Analytical Data Summary Master Table – Monitoring Wells (2018 – 2022)

Colonial Pipeline Company - Bel Air Pump Station

Sample No.:			MW-8																																			
Date Sampled:			4/2/2019			7/9/2019			10/9/2019			1/6/2020			4/29/2020			7/29/2020			10/22/2020			DUP-02 10/22/2020			1/21/2021			4/22/2021			7/22/2021			10/28/2021			1/20/2022			4/21/2022		
Lab Sample ID:			19040216-04			19070908-06			19100908-01			20010706-03			20043003-06			20072907-01			20102206-05			20102206-09			21012102-18			21042203-19			21072205-13			21102806-09			22012007-02			22042102-02		
Lab:			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	**CAS No.**	**MD GWQS**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**	**Result**	**Q**	**LLQ**
Dichlorodifluoromethane	*75-71-8*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	*74-87-3*	*19*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	*75-01-4*	*2*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	*74-83-9*	*0.75*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	*75-00-3*	*2,100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	*75-69-4*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	*75-35-4*	*7*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	*76-13-1*	--	NA			ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	*67-64-1*	*1,400*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		200	ND		200	ND		200	ND		200	ND		25	ND		25
Carbon Disulfide	*75-15-0*	*81*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	*79-20-9*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	*75-09-2*	*5*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	*156-60-5*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*20*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	*75-34-3*	*2.8*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	*156-59-2*	*70*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	*78-93-3*	*560*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	*67-66-3*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	*71-55-6*	*200*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	*110-82-7*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	*56-23-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	*71-43-2*	*5*	ND		1	ND		1	4		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
1,2-Dichloroethane (EDC)	*107-06-2*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	*79-01-6*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	*108-87-2*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	*78-87-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	*75-27-4*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	*10061-01-5*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	*108-10-1*	*630*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	*108-88-3*	*1,000*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	*10061-02-6*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	*79-00-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	*127-18-4*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	*591-78-6*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	*124-48-1*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	*106-93-4*	*0.05*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	*108-90-7*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	*100-41-4*	*700*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	*179601-23-1*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	*95-47-6*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	*1330-20-7*	*10,000*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	*100-42-5*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	*75-25-2*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	*98-82-8*	*45*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.076*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	*108-67-8*	*6*	NA			ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	*95-63-6*	*5.6*	NA			ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	*541-73-1*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	*106-46-7*	*75*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	*95-50-1*	*600*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.2*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	*120-82-1*	*70*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	*90-20-3*	*0.17*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	*637-92-3*	--	NA			ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	*75-65-0*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	*108-20-3*	--	ND		25	40		25	49		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	*994-05-8*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	*75-85-4*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	*919-94-8*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	*68476-30-2*	*47*	ND		200	ND		230	ND		240	ND		200	ND		200	ND		210	ND		200	ND		200	ND		220	ND		220	ND		220	ND		210	ND		190	ND		190
Gasoline Range Organics (GRO)	*8006-61-9*	*47*	ND		200	**210**		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200

Values are reported in micrograms per liter (µg/L)
GWQS: MD Groundwater Quality Standard-Type I Aquifers
Yellow shade indicates result above MD GWQS
Gray shade indicates LLQ above applicable criterion.
ND = Not Detected above LLQ
NA = Not Analyzed
LLQ = Lowest Level of Quantitation
Notes: MW-5 was converted to a recovery well on May 16, 2019 and changed to RW-5. MW-8 is sometimes identified as MW-8S in laboratory deliverables.

APPENDIX E

Groundwater Analytical Data Summary Master Table – Monitoring Wells (2018 – 2022)

Colonial Pipeline Company - Bel Air Pump Station

Sample No.:			MW-8D																									
Date Sampled:			1/6/2020			4/29/2020			7/29/2020			10/21/2020			1/20/2021			4/21/2021			7/21/2021			10/27/2021			1/20/2022			4/21/2022		
Lab Sample ID:			20010706-02			20043003-09			20072907-05			20102104-07			21012102-01			21042203-07			21072205-09			21102705-03			22012007-01			22042102-01		
Lab:			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	***CAS No.***	***MD GWQS***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***
Dichlorodifluoromethane	*75-71-8*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	*74-87-3*	*19*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	*75-01-4*	*2*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	*74-83-9*	*0.75*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	*75-00-3*	*2,100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	*75-69-4*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	*75-35-4*	*7*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	*76-13-1*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	*67-64-1*	*1,400*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Carbon Disulfide	*75-15-0*	*81*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	*79-20-9*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	*75-09-2*	*5*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	*156-60-5*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*20*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	*75-34-3*	*2.8*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	*156-59-2*	*70*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	*78-93-3*	*560*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	*67-66-3*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	*71-55-6*	*200*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	*110-82-7*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	*56-23-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	*71-43-2*	*5*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
1,2-Dichloroethane (EDC)	*107-06-2*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	*79-01-6*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	*108-87-2*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	*78-87-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	*75-27-4*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	*10061-01-5*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	*108-10-1*	*630*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	*108-88-3*	*1,000*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	*10061-02-6*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	*79-00-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	*127-18-4*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	*591-78-6*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	*124-48-1*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	*106-93-4*	*0.05*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	*108-90-7*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	*100-41-4*	*700*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	*179601-23-1*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	*95-47-6*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	*1330-20-7*	*10,000*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	*100-42-5*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	*75-25-2*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	*98-82-8*	*45*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.076*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	*108-67-8*	*6*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	*95-63-6*	*5.6*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	*541-73-1*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	*106-46-7*	*75*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	*95-50-1*	*600*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.2*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	*120-82-1*	*70*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	*90-20-3*	*0.17*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	*637-92-3*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	*75-65-0*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	*108-20-3*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	*994-05-8*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	*75-85-4*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	*919-94-8*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	*68476-30-2*	*47*	ND		200	ND		200	ND		200	ND		200	ND		200	ND		210	ND		210	ND		210	ND		200	ND		210	ND		190
Gasoline Range Organics (GRO)	*8006-61-9*	*47*	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200

Values are reported in micrograms per liter (µg/L)
GWQS: MD Groundwater Quality Standard-Type I Aquifers
Yellow shade indicates result above MD GWQS
Gray shade indicates LLQ above applicable criterion.
ND = Not Detected above LLQ
NA = Not Analyzed
LLQ = Lowest Level of Quantitation
Notes: MW-5 was converted to a recovery well on May 16, 2019 and changed to RW-5. MW-8 is sometimes identified as MW-8S in laboratory deliverables.

APPENDIX E

Groundwater Analytical Data Summary Master Table – Monitoring Wells (2018 – 2022)

Colonial Pipeline Company - Bel Air Pump Station

Sample No.:			MW-9																																	
Date Sampled:			4/2/2019			7/9/2019			10/10/2019			1/6/2020			4/29/2020			7/29/2020			10/22/2020			1/20/2021			4/21/2021			DUP-01 4/21/2021			7/21/2021			10/28/2021			1/20/2022			4/20/2022		
Lab Sample ID:			19040216-01			19070908-01			19101001-03			20010707-01			20043003-10			20072907-02			20102206-02			21012102-05			21042203-10			21042203-12			21072205-08			21102806-07			22012007-04			22042007-04		
Lab:			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	***CAS No.***	***MD GWQS***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***
Dichlorodifluoromethane	*75-71-8*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	*74-87-3*	*19*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	*75-01-4*	*2*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	*74-83-9*	*0.75*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	*75-00-3*	*2,100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	*75-69-4*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	*75-35-4*	*7*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	*76-13-1*	--	NA			ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	*67-64-1*	*1,400*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Carbon Disulfide	*75-15-0*	*81*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	*79-20-9*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	*75-09-2*	*5*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	*156-60-5*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*20*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	*75-34-3*	*2.8*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	*156-59-2*	*70*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	*78-93-3*	*560*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	*67-66-3*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	*71-55-6*	*200*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	*110-82-7*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	*56-23-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	*71-43-2*	*5*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
1,2-Dichloroethane (EDC)	*107-06-2*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	*79-01-6*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	*108-87-2*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	*78-87-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	*75-27-4*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	*10061-01-5*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	*108-10-1*	*630*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	*108-88-3*	*1,000*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	*10061-02-6*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	*79-00-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	*127-18-4*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	*591-78-6*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	*124-48-1*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	*106-93-4*	*0.05*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	*108-90-7*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	*100-41-4*	*700*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	*179601-23-1*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	*95-47-6*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	*1330-20-7*	*10,000*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	*100-42-5*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	*75-25-2*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	*98-82-8*	*45*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.076*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	*108-67-8*	*6*	NA			ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	*95-63-6*	*5.6*	NA			ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	*541-73-1*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	*106-46-7*	*75*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	*95-50-1*	*600*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.2*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	*120-82-1*	*70*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	*90-20-3*	*0.17*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	*637-92-3*	--	NA			NA			ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	*75-65-0*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	*108-20-3*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	*994-05-8*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	*75-85-4*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	*919-94-8*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	*68476-30-2*	*47*	ND		200	ND		220	ND		280	ND		210	ND		200	ND		210	ND		210	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200
Gasoline Range Organics (GRO)	*8006-61-9*	*47*	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200

Values are reported in micrograms per liter (µg/L)
GWQS: MD Groundwater Quality Standard-Type I Aquifers
Yellow shade indicates result above MD GWQS
Gray shade indicates LLQ above applicable criterion.
ND = Not Detected above LLQ
NA = Not Analyzed
LLQ = Lowest Level of Quantitation
Notes: MW-5 was converted to a recovery well on May 16, 2019 and changed to RW-5. MW-8 is sometimes identified as MW-8S in laboratory deliverables.

APPENDIX E

Groundwater Analytical Data Summary Master Table – Monitoring Wells (2018 – 2022)

Colonial Pipeline Company - Bel Air Pump Station

Sample No.:			MW-10																													
Date Sampled:			4/2/2019			7/9/2019			10/9/2019			1/7/2020			4/29/2020			7/29/2020			10/21/2020			1/20/2021			4/21/2021			7/21/2021			10/27/2021			2/3/2022			4/20/2022		
Lab Sample ID:			19040216-06			19070908-07			19100908-04			20010706-08			20043003-03			20072907-02			20102104-02			21012102-07			21042203-02			21072205-03			21102705-06			22020302-01			22042006-04		
Lab:			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	***CAS No.***	***MD GWQS***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***
Dichlorodifluoromethane	*75-71-8*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	*74-87-3*	*19*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	*75-01-4*	*2*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	*74-83-9*	*0.75*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	*75-00-3*	*2,100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	*75-69-4*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	*75-35-4*	*7*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	*76-13-1*	--	NA			ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	*67-64-1*	*1,400*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Carbon Disulfide	*75-15-0*	*81*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	*79-20-9*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	*75-09-2*	*5*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	*156-60-5*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*20*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	*75-34-3*	*2.8*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	*156-59-2*	*70*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	*78-93-3*	*560*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	*67-66-3*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	*71-55-6*	*200*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	*110-82-7*	--	42		5	13		5	16		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	*56-23-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	*71-43-2*	*5*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
1,2-Dichloroethane (EDC)	*107-06-2*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	*79-01-6*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	*108-87-2*	--	62		5	33		5	15		5	8		5	8		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	*78-87-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	*75-27-4*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	*10061-01-5*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	*108-10-1*	*630*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	*108-88-3*	*1,000*	3		1	3		1	ND		1	ND		1	3		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	*10061-02-6*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	*79-00-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	*127-18-4*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	*591-78-6*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	*124-48-1*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	*106-93-4*	*0.05*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	*108-90-7*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	*100-41-4*	*700*	18		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	*179601-23-1*	--	190		5	37		5	11		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	*95-47-6*	--	60		5	12		5	9		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	*1330-20-7*	*10,000*	250		10	49		10	20		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	*100-42-5*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	*75-25-2*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	*98-82-8*	*45*	16		5	6		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.076*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	*108-67-8*	*6*	NA			**42**		5	ND		5	**24**		5	**24**		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	*95-63-6*	*5.6*	NA			**110**		5	**10**		5	**16**		5	**16**		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	*541-73-1*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	*106-46-7*	*75*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	*95-50-1*	*600*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.2*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	*120-82-1*	*70*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	*90-20-3*	*0.17*	**19**		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	*637-92-3*	--	NA			ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	*75-65-0*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	*108-20-3*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	*994-05-8*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	*75-85-4*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	*919-94-8*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	*68476-30-2*	*47*	**850**		200	**300**		200	ND		200	**570**		200	**530**		200	**320**		200	ND		200	**410**		200	ND		200	ND		200	ND		200	ND		190	ND		200
Gasoline Range Organics (GRO)	*8006-61-9*	*47*	**3,800**		200	**1,800**		200	**830**		200	**270**		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200

Values are reported in micrograms per liter (µg/L)
GWQS: MD Groundwater Quality Standard-Type I Aquifers
Yellow shade indicates result above MD GWQS
Gray shade indicates LLQ above applicable criterion.
ND = Not Detected above LLQ
NA = Not Analyzed
LLQ = Lowest Level of Quantitation
Notes: MW-5 was converted to a recovery well on May 16, 2019 and changed to RW-5. MW-8 is sometimes identified as MW-8S in laboratory deliverables.

APPENDIX E

Groundwater Analytical Data Summary Master Table – Monitoring Wells (2018 – 2022)

Colonial Pipeline Company - Bel Air Pump Station

Sample No.:			MW-11																													
Date Sampled:			4/2/2019			7/9/2019			10/9/2019			1/7/2020			4/29/2020			7/29/2020			10/21/2020			1/20/2021			4/21/2021			7/21/2021			10/27/2021			1/21/2022			4/21/2022		
Lab Sample ID:			19040216-07			19070908-08			19100908-06			20010706-07			20043003-04			20072907-09			20102104-03			21012102-08			21042203-03			21072205-04			21102705-07			22012104-03			22042101-03		
Lab:			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	***CAS No.***	***MD GWQS***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***
Dichlorodifluoromethane	*75-71-8*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	*74-87-3*	*19*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	*75-01-4*	*2*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	*74-83-9*	*0.75*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	*75-00-3*	*2,100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	*75-69-4*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	*75-35-4*	*7*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	*76-13-1*	--	NA			ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	*67-64-1*	*1,400*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Carbon Disulfide	*75-15-0*	*81*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	*79-20-9*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	*75-09-2*	*5*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	*156-60-5*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*20*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	*75-34-3*	*2.8*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	*156-59-2*	*70*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	*78-93-3*	*560*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	*67-66-3*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	*71-55-6*	*200*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	*110-82-7*	--	53		5	13		5	ND		5	25		5	16		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	*56-23-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	*71-43-2*	*5*	**100**		1	ND		1	2		1	4		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
1,2-Dichloroethane (EDC)	*107-06-2*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	*79-01-6*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	*108-87-2*	--	45		5	16		5	5		5	18		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	*78-87-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	*75-27-4*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	*10061-01-5*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	*108-10-1*	*630*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	*108-88-3*	*1,000*	390		1	5		1	6		1	17		1	4		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	*10061-02-6*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	*79-00-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	*127-18-4*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	*591-78-6*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	*124-48-1*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	*106-93-4*	*0.05*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	*108-90-7*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	*100-41-4*	*700*	33		33	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	*179601-23-1*	--	440		5	59		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	*95-47-6*	--	210		5	24		5	10		5	35		5	6		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	*1330-20-7*	*10,000*	650		10	83		10	10		10	ND		10	6		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	*100-42-5*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	*75-25-2*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	*98-82-8*	*45*	12		5	ND		5	ND		5	8		5	10		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.076*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	*108-67-8*	*6*	NA			**15**		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	*95-63-6*	*5.6*	NA			**36**		5	ND		5	**12**		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	*541-73-1*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	*106-46-7*	*75*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	*95-50-1*	*600*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.2*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	*120-82-1*	*70*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	*90-20-3*	*0.17*	**44**		10	ND		10	ND		10	**18**		10	**18**		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	*637-92-3*	--	NA			ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	*75-65-0*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	*108-20-3*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	*994-05-8*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	*75-85-4*	--	370		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	*919-94-8*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	*68476-30-2*	*47*	**730**		200	ND		200	ND		200	**340**		200	**310**		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200
Gasoline Range Organics (GRO)	*8006-61-9*	*47*	**3,000**		200	**1,400**		200	**1,100**		200	**1,600**		200	**1,200**		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200

Values are reported in micrograms per liter (ug/L)
GWQS: MD Groundwater Quality Standard-Type I Aquifers
Yellow shade indicates result above MD GWQS
Gray shade indicates LLQ above applicable criterion.
ND = Not Detected above LLQ
NA = Not Analyzed
LLQ = Lowest Level of Quantitation
Notes: MW-5 was converted to a recovery well on May 16, 2019 and changed to RW-5. MW-8 is sometimes identified as MW-8S in laboratory deliverables.

APPENDIX E

Groundwater Analytical Data Summary Master Table – Monitoring Wells (2018 – 2022)

Colonial Pipeline Company - Bel Air Pump Station

Sample No.:			MW-12																													
Date Sampled:			1/6/2020			1/23/2020			4/30/2020			7/30/2020			10/22/2020			1/21/2021			4/22/2021			DUP-02 4/22/2021			7/22/2021			10/28/2021			1/20/2022			4/21/2022		
Lab Sample ID:			20010707-02			20012301-03			20043003-15			20073005-02			20102206-07			21012102-14			21042203-15			21042203-16			21072205-18			21102806-03			22012104-07			22042102-05		
Lab:			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	***CAS No.***	***MD GWQS***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***
Dichlorodifluoromethane	*75-71-8*	--	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	*74-87-3*	*19*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	*75-01-4*	*2*	ND		10	ND		10	ND		2	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	*74-83-9*	*0.75*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	*75-00-3*	*2,100*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	*75-69-4*	--	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	*75-35-4*	*7*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	*76-13-1*	--	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	*67-64-1*	*1,400*	ND		250	ND		250	ND		50	ND		25	ND		25	ND		200	ND		200	ND		200	ND		200	ND		25	ND		25	ND		25
Carbon Disulfide	*75-15-0*	*81*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	*79-20-9*	--	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	*75-09-2*	*5*	ND		100	ND		100	ND		20	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	*156-60-5*	*100*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*20*	**330**		50	**250**		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	*75-34-3*	*2.8*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	*156-59-2*	*70*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	*78-93-3*	*560*	ND		250	ND		250	ND		50	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	*67-66-3*	*80*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	*71-55-6*	*200*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	*110-82-7*	--	200		50	100		50	89		10	100		5	84		5	11		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	*56-23-5*	*5*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	*71-43-2*	*5*	**6,600**		10	**4,100**		10	**900**		2	**660**		1	**200**		1	**28**		1	**12**		1	**13**		1	**19**		1	4		1	**36**		1	3		1
1,2-Dichloroethane (EDC)	*107-06-2*	*5*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	*79-01-6*	*5*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	*108-87-2*	--	120		50	68		50	70		10	82		5	70		5	12		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	*78-87-5*	*5*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	*75-27-4*	*80*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	*10061-01-5*	--	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	*108-10-1*	*630*	ND		250	ND		250	ND		50	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	*108-88-3*	*1,000*	**2,300**		10	**1,200**		10	67		2	19		1	5		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	*10061-02-6*	--	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	*79-00-5*	*5*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	*127-18-4*	*5*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	*591-78-6*	--	ND		250	ND		250	ND		50	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	*124-48-1*	*80*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	*106-93-4*	*0.05*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	*108-90-7*	*100*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	*100-41-4*	*700*	ND		10	ND		10	ND		2	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	*179601-23-1*	--	2,900		50	1,500		50	180		10	35		5	7		5	7		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	*95-47-6*	--	1,600		50	1,000		50	170		10	35		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	*1330-20-7*	*10,000*	4,500		10	2,500		100	350		20	70		10	7		10	7		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	*100-42-5*	*100*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	*75-25-2*	*80*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	*98-82-8*	*45*	**63**		50	ND		50	**53**		10	35		5	28		5	6		5	ND		5	ND		5	14		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.076*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	*108-67-8*	*6*	**300**		50	**170**		50	**26**		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	*95-63-6*	*5.6*	**1,000**		50	**680**		50	**320**		10	**110**		5	**11**		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	*541-73-1*	--	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	*106-46-7*	*75*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	*95-50-1*	*600*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.2*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	*120-82-1*	*70*	ND		50	ND		50	ND		10	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	*90-20-3*	*0.17*	**140**		100	**190**		100	**150**		20	**110**		10	**83**		10	ND		10	ND		10	ND		10	**17**		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	*637-92-3*	--	ND		250	ND		250	ND		50	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	*75-65-0*	--	ND		250	ND		250	ND		50	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	*108-20-3*	--	ND		50	1,500		250	270		50	240		25	95		25	ND		25	ND		25	ND		25	ND		25	ND		25	51		25	ND		25
tert-Amyl Methyl Ether (TAME)	*994-05-8*	--	ND		250	ND		250	ND		50	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	*75-85-4*	--	ND		250	ND		250	940		50	610		25	ND		25	88		25	ND		25	ND		25	ND		25	ND		25	90		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	*919-94-8*	--	ND		250	ND		250	ND		50	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	*68476-30-2*	*47*	**5,100**		220	NA		NA	**1,800**		200	**1,700**		200	**1,000**		200	**650**		200	**330**		200	**260**		200	**1,100**		200	**1,600**		210	**1,200**		210	**230**		200
Gasoline Range Organics (GRO)	*8006-61-9*	*47*	**16,000**		200	NA		NA	**6,700**		1,000	**5,400**		200	**4,200**		200	**1,600**		200	**240**		200	**270**		200	**710**		200	**370**		200	**330**		200	ND		200

Values are reported in micrograms per liter (µg/L)
GWQS: MD Groundwater Quality Standard-Type I Aquifers
Yellow shade indicates result above MD GWQS
Gray shade indicates LLQ above applicable criterion.
ND = Not Detected above LLQ
NA = Not Analyzed
LLQ = Lowest Level of Quantitation

Notes: MW-5 was converted to a recovery well on May 16, 2019 and changed to RW-5. MW-8 is sometimes identified as MW-8S in laboratory deliverables.

APPENDIX E

Groundwater Analytical Data Summary Master Table – Monitoring Wells (2018 – 2022)

Colonial Pipeline Company - Bel Air Pump Station

Sample No.:			MW-13																															
Date Sampled:			1/6/2020			1/23/2020			4/30/2020			DUP-13 4/30/2020			7/30/2020			10/22/2020			1/21/2021			4/22/2021			7/22/2021			10/28/2021			DUP-01 10/28/2021			1/21/2022			4/21/2022		
Lab Sample ID:			20010706			20012301-02			20043003-14			20043003-16			20073005-03			20102206-08			21012102-19			21042203-17			21072205-17			21102806-04			21102806-05			22012104-12			22042102-04		
Lab:			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	***CAS No.***	***MD GWQS***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***
Dichlorodifluoromethane	*75-71-8*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	*74-87-3*	*19*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	*75-01-4*	*2*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	*74-83-9*	*0.75*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	*75-00-3*	*2,100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	*75-69-4*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	*75-35-4*	*7*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	*76-13-1*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	*67-64-1*	*1,400*	59		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		200	ND		200	ND		200	ND		25	ND		25	ND		25
Carbon Disulfide	*75-15-0*	*81*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	*79-20-9*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	*75-09-2*	*5*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	*156-60-5*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*20*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	*75-34-3*	*2.8*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	*156-59-2*	*70*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	*78-93-3*	*560*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	*67-66-3*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	*71-55-6*	*200*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	*110-82-7*	--	37		5	23		5	6		5	6		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	*56-23-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	*71-43-2*	*5*	**530**		1	**330**		1	**78**		1	**81**		1	**73**		1	**36**		1	3		1	ND		1	3		1	5		1	5		1	ND		1	ND		1
1,2-Dichloroethane (EDC)	*107-06-2*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	*79-01-6*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	*108-87-2*	--	30		5	21		5	6		5	6		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	*78-87-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	*75-27-4*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	*10061-01-5*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	*108-10-1*	*630*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	*108-88-3*	*1,000*	4		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	*10061-02-6*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	*79-00-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	*127-18-4*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	*591-78-6*	--	ND		5	ND		5	ND		5	ND		5	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	*124-48-1*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	*106-93-4*	*0.05*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	*108-90-7*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	*100-41-4*	*700*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	*179601-23-1*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	*95-47-6*	--	22		5	15		5	6		5	7		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	*1330-20-7*	*10,000*	ND		10	ND		10	6		10	7		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	*100-42-5*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	*75-25-2*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	*98-82-8*	*45*	8		5	6		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.076*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	*108-67-8*	*6*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	*95-63-6*	*5.6*	**19**		5	**12**		5	ND		5	**6**		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	*541-73-1*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	*106-46-7*	*75*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	*95-50-1*	*600*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.2*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	*120-82-1*	*70*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	*90-20-3*	*0.17*	**31**		10	**33**		10	**13**		10	**17**		10	**11**		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	*637-92-3*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	*75-65-0*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	*108-20-3*	--	140		25	85		25	26		25	26		25	31		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	*994-05-8*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	*75-85-4*	--	180		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	*919-94-8*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	*68476-30-2*	*47*	**410**		200	NA		NA	**380**		200	**270**		200	**390**		200	ND		200	ND		200	ND		200	ND		200	**200**		200	ND		200	**320**		200	ND		200	ND		200
Gasoline Range Organics (GRO)	*8006-61-9*	*47*	**1,700**		200	NA		NA	**540**		200	**700**		200	**400**		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200

Values are reported in micrograms per liter (µg/L)
GWQS: MD Groundwater Quality Standard-Type I Aquifers
Yellow shade indicates result above MD GWQS
Gray shade indicates LLQ above applicable criterion.
ND = Not Detected above LLQ
NA = Not Analyzed
LLQ = Lowest Level of Quantitation
Notes: MW-5 was converted to a recovery well on May 16, 2019 and changed to RW-5. MW-8 is sometimes identified as MW-8S in laboratory deliverables.

APPENDIX E

Groundwater Analytical Data Summary Master Table – Monitoring Wells (2018 – 2022)

Colonial Pipeline Company - Bel Air Pump Station

Sample No.:			MW-14																											
						DUP-01									DUP-02															
Date Sampled:			10/21/2020			10/21/2020			11/5/2020			1/21/2021			1/21/2021			4/22/2021			7/22/2021			10/28/2021			1/21/2022			4/21/2022		
Lab Sample ID:			20102104-08			20102104-11			20110503-1			21012102-15			21012102-16			21042203-20			21072205-14			21102806-10			22012104-11			22042101-02		
Lab:			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	CAS No.	MD GWQS	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ
Dichlorodifluoromethane	75-71-8	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	74-87-3	19	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	75-01-4	2	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	74-83-9	0.75	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	75-00-3	2,100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	75-69-4	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	75-35-4	7	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	76-13-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	67-64-1	1,400	ND		25	ND		25	ND		25	ND		200	ND		200	ND		200	ND		200	ND		25	ND		25	ND		25
Carbon Disulfide	75-15-0	81	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	79-20-9	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	75-09-2	5	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	156-60-5	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	1634-04-4	20	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	75-34-3	2.8	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	156-59-2	70	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	78-93-3	560	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	67-66-3	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	71-55-6	200	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	110-82-7	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	56-23-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	71-43-2	5	**23**		1	**26**		1	ND		1	ND		1	ND		1	3		1	ND		1	ND		1	2		1	ND		1
1,2-Dichloroethane (EDC)	107-06-2	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	79-01-6	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	108-87-2	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	78-87-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	75-27-4	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	10061-01-5	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	108-10-1	630	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	108-88-3	1,000	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	10061-02-6	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	79-00-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	127-18-4	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	591-78-6	--	ND		5	ND		5	ND		5	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	124-48-1	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	106-93-4	0.05	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	108-90-7	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	100-41-4	700	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	179601-23-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	95-47-6	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	1330-20-7	10,000	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	100-42-5	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	75-25-2	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	98-82-8	45	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	79-34-5	0.076	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	108-67-8	6	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	95-63-6	5.6	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	541-73-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	106-46-7	75	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	95-50-1	600	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	96-12-8	0.2	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	120-82-1	70	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	90-20-3	0.17	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	637-92-3	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	75-65-0	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	108-20-3	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	994-05-8	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	75-85-4	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	919-94-8	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	68476-30-2	47	ND		200	ND		210	NA			ND		200	ND		210	ND		200	ND		200	ND		200	ND		200	ND		200
Gasoline Range Organics (GRO)	8006-61-9	47	ND		200	ND		200	NA			ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200

Sample No.:			MW-15																				
Date Sampled:			10/21/2020			1/20/2021			4/22/2021			7/22/2021			10/28/2021			1/21/2022			4/20/2022		
Lab Sample ID:			20102104-09			21012102-03			21042203-14			210472205-16			21102806-02			22012104-06			22042007-03		
Lab:			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	CAS No.	MD GWQS	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ	Result	Q	LLQ
Dichlorodifluoromethane	75-71-8	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	74-87-3	19	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	75-01-4	2	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	74-83-9	0.75	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	75-00-3	2,100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	75-69-4	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	75-35-4	7	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	76-13-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	67-64-1	1,400	ND		25	ND		25	ND		200	ND		200	ND		25	ND		25	ND		25
Carbon Disulfide	75-15-0	81	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	79-20-9	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	75-09-2	5	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	156-60-5	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	1634-04-4	20	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	75-34-3	2.8	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	156-59-2	70	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	78-93-3	560	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	67-66-3	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	71-55-6	200	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	110-82-7	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	56-23-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	71-43-2	5	ND		1	2		1	2		1	ND		1	ND		1	ND		1	ND		1
1,2-Dichloroethane (EDC)	107-06-2	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	79-01-6	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	108-87-2	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	78-87-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	75-27-4	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	10061-01-5	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	108-10-1	630	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	108-88-3	1,000	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	10061-02-6	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	79-00-5	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	127-18-4	5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	591-78-6	--	ND		5	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Dibromochloromethane	124-48-1	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	106-93-4	0.05	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	108-90-7	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	100-41-4	700	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	179601-23-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	95-47-6	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	1330-20-7	10,000	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	100-42-5	100	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	75-25-2	80	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	98-82-8	45	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	79-34-5	0.076	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	108-67-8	6	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	95-63-6	5.6	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	541-73-1	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	106-46-7	75	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	95-50-1	600	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	96-12-8	0.2	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	120-82-1	70	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	90-20-3	0.17	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	637-92-3	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	75-65-0	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	108-20-3	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	994-05-8	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	75-85-4	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	919-94-8	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	68476-30-2	47	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		190
Gasoline Range Organics (GRO)	8006-61-9	47	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200

Values are reported in micrograms per liter (µg/L)
GWQS: MD Groundwater Quality Standard-Type I Aquifers
Yellow shade indicates result above MD GWQS
Gray shade indicates LLQ above applicable criterion.
ND = Not Detected above LLQ
NA = Not Analyzed
LLQ = Lowest Level of Quantitation

Notes: MW-5 was converted to a recovery well on May 16, 2019 and changed to RW-5. MW-8 is sometimes identified as MW-8S in laboratory deliverables.

APPENDIX E

Groundwater Analytical Data Summary Master Table – Monitoring Wells (2018 – 2022)

Colonial Pipeline Company - Bel Air Pump Station

			MW-16																MW-17													
Sample No.:																																
Date Sampled:			10/22/2020			1/20/2021			4/21/2021			7/21/2021			10/27/2021			1/20/2022			4/20/2022			10/21/2020			1/20/2021			4/21/2021		
Lab Sample ID:			20102206-01			21012102-04			21042203-09			21072205-10			21102705-01			22012007-08			22042007-02			20102104-06			21012102-02			21042203-08		
Lab:			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber			Caliber		
Parameter (µg/L)	***CAS No.***	***MD GWQS***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***	***Result***	***Q***	***LLQ***
Dichlorodifluoromethane	*75-71-8*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloromethane	*74-87-3*	*19*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	*75-01-4*	*2*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Bromomethane	*74-83-9*	*0.75*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chloroethane	*75-00-3*	*2,100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichlorofluoromethane	*75-69-4*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethene	*75-35-4*	*7*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2 Trichlorotrifluoroethane	*76-13-1*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Acetone	*67-64-1*	*1,400*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Carbon Disulfide	*75-15-0*	*81*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Acetate	*79-20-9*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylene chloride	*75-09-2*	*5*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
trans-1,2-Dichloroethene	*156-60-5*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*20*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1-Dichloroethane	*75-34-3*	*2.8*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	*156-59-2*	*70*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Butanone (MEK)	*78-93-3*	*560*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Chloroform	*67-66-3*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,1-Trichloroethane	*71-55-6*	*200*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Cyclohexane	*110-82-7*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Carbon tetrachloride	*56-23-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Benzene	*71-43-2*	*5*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
1,2-Dichloroethane (EDC)	*107-06-2*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Trichloroethene (TCE)	*79-01-6*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Methylcyclohexane	*108-87-2*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichloropropane	*78-87-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromodichloromethane	*75-27-4*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
cis-1,3-Dichloropropene	*10061-01-5*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
4-methyl-2-pentanone (MIBK)	*108-10-1*	*630*	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Toluene	*108-88-3*	*1,000*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	*10061-02-6*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2-Trichloroethane	*79-00-5*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Tetrachloroethene (PCE)	*127-18-4*	*5*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
2-Hexanone (MBK)	*591-78-6*	--	ND		5	ND		5	ND		5	ND		5	ND		25	ND		5	ND		5	ND		5	ND		5	ND		25	ND		5
Dibromochloromethane	*124-48-1*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromoethane (EBD)	*106-93-4*	*0.05*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Chlorobenzene	*108-90-7*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Ethylbenzene	*100-41-4*	*700*	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
m,p-Xylene	*179601-23-1*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
o-Xylene	*95-47-6*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Xylenes (total)	*1330-20-7*	*10,000*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Styrene	*100-42-5*	*100*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Bromoform	*75-25-2*	*80*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Isopropylbenzene	*98-82-8*	*45*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.076*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3,5-Trimethylbenzene	*108-67-8*	*6*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trimethylbenzene	*95-63-6*	*5.6*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,3-Dichlorobenzene	*541-73-1*	--	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,4-Dichlorobenzene	*106-46-7*	*75*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dichlorobenzene	*95-50-1*	*600*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2-Dibromo-3-chloropropane	*96-12-8*	*0.2*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
1,2,4-Trichlorobenzene	*120-82-1*	*70*	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5	ND		5
Naphthalene	*90-20-3*	*0.17*	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		10
Ethyl t-Butyl Ether (ETBE)	*637-92-3*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Butyl Alcohol (TBA)	*75-65-0*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diisopropyl ether (DIPE)	*108-20-3*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Methyl Ether (TAME)	*994-05-8*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Alcohol (TAA)	*75-85-4*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
tert-Amyl Ethyl Ether (TAEE)	*919-94-8*	--	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25	ND		25
Diesel Range Organics (DRO)	*68476-30-2*	*47*	ND		200	ND		220	ND		200	ND		200	ND		200	ND		200	ND		190	ND		210	ND		200	ND		200	ND		210	ND		190
Gasoline Range Organics (GRO)	*8006-61-9*	*47*	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200	ND		200

Values are reported in micrograms per liter (µg/L)

GWQS: MD Groundwater Quality Standard-Type I Aquifers

Yellow shade indicates result above MD GWQS

Gray shade indicates LLQ above applicable criterion.

ND = Not Detected above LLQ

NA = Not Analyzed

LLQ = Lowest Level of Quantitation

Notes: MW-5 was converted to a recovery well on May 16, 2019 and changed to RW-5. MW-8 is sometimes identified as MW-8S in laboratory deliverables.

APPENDIX F

Laboratory Analytical Reports – Monitoring Wells

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

Colonial Pipeline Co.
929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/20/22 10:35
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042006

Field Sample ID: MW-7 **Matrix: Water** **Lab ID: 22042006-01**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 17:37	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 17:37	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 17:37	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 17:37	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH

8851 Orchard Tree Lane | Towson, Maryland 21286 | tel: 410.825.1151 | fax: 410.825.2126 | www.caslabs.net

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

Colonial Pipeline Co.
929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/20/22 10:35
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042006

Field Sample ID: MW-7 **Matrix: Water** **Lab ID: 22042006-01**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
o-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 17:37	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 17:37	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 17:37	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 17:37	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 17:37	GFH
Total Petroleum Hydrocarbons - (C10-C28) DRO						Batch:	26437
Diesel Range Organics	ND	mg/L	0.2	EPA 8015C	04/26/22	04/27/22 12:49	DBS
Total Petroleum Hydrocarbons - (C6-C10) GRO						Batch:	26433
Gasoline Range Organics	ND	mg/L	0.2	EPA 8015C	04/25/22	04/25/22 20:10	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Certificate of Analysis

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Date Sampled: 04/20/22 11:20
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042006

Field Sample ID: MW-1 **Matrix: Water** **Lab ID: 22042006-02**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 18:11	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 18:11	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 18:11	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 18:11	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH

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CALIBER ANALYTICAL SERVICES

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929 Hoods Mill Rd.
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Date Sampled: 04/20/22 11:20
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Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042006

Field Sample ID: MW-1 **Matrix: Water** **Lab ID: 22042006-02**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
o-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:11	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:11	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:11	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:11	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:11	GFH
Total Petroleum Hydrocarbons - (C10-C28) DRO						Batch:	26437
Diesel Range Organics	ND	mg/L	0.2	EPA 8015C	04/26/22	04/27/22 12:49	DBS
Total Petroleum Hydrocarbons - (C6-C10) GRO						Batch:	26433
Gasoline Range Organics	ND	mg/L	0.2	EPA 8015C	04/25/22	04/25/22 20:38	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/20/22 12:05
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042006

Field Sample ID: MW-4 **Matrix: Water** **Lab ID: 22042006-03**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 18:44	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 18:44	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 18:44	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 18:44	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH

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929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/20/22 12:05
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042006

Field Sample ID: MW-4 **Matrix: Water** **Lab ID: 22042006-03**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
o-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:44	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:44	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:44	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:44	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 18:44	GFH
Total Petroleum Hydrocarbons - (C10-C28) DRO						Batch:	26437
Diesel Range Organics	**0.30**	mg/L	0.2	EPA 8015C	04/26/22	04/27/22 13:27	DBS
Total Petroleum Hydrocarbons - (C6-C10) GRO						Batch:	26433
Gasoline Range Organics	ND	mg/L	0.2	EPA 8015C	04/25/22	04/25/22 21:07	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Date Sampled: 04/20/22 12:55
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042006

Field Sample ID: MW-10 **Matrix: Water** **Lab ID: 22042006-04**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 19:18	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 19:18	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 19:18	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 19:18	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH

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Date Sampled: 04/20/22 12:55
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042006

Field Sample ID: MW-10 **Matrix: Water** **Lab ID: 22042006-04**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
o-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:18	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:18	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:18	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:18	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:18	GFH
Total Petroleum Hydrocarbons - (C10-C28) DRO						Batch:	26437
Diesel Range Organics	ND	mg/L	0.2	EPA 8015C	04/26/22	04/27/22 13:27	DBS
Total Petroleum Hydrocarbons - (C6-C10) GRO						Batch:	26433
Gasoline Range Organics	ND	mg/L	0.2	EPA 8015C	04/25/22	04/25/22 21:35	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Certificate of Analysis

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Date Sampled: 04/20/22
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042006

Field Sample ID: TB-01 **Matrix: Water** **Lab ID: 22042006-05**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 19:52	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 19:52	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 19:52	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 19:52	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH

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CALIBER ANALYTICAL SERVICES

Certificate of Analysis

Colonial Pipeline Co.
929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/20/22
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042006

Field Sample ID: TB-01 **Matrix: Water** **Lab ID: 22042006-05**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
o-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:52	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:52	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:52	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:52	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:52	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 19:52	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Certificate of Analysis

Colonial Pipeline Co.
929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/20/22
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042006

Field Sample ID: DUP-01 **Matrix: Water** **Lab ID: 22042006-06**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 20:25	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 20:25	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 20:25	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 20:25	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH

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CALIBER ANALYTICAL SERVICES

Certificate of Analysis

Colonial Pipeline Co.
929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/20/22
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042006

Field Sample ID: DUP-01 **Matrix: Water** **Lab ID: 22042006-06**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
o-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:25	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:25	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:25	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:25	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:25	GFH
Total Petroleum Hydrocarbons - (C10-C28) DRO						Batch:	26437
Diesel Range Organics	ND	mg/L	0.2	EPA 8015C	04/26/22	04/27/22 14:05	DBS
Total Petroleum Hydrocarbons - (C6-C10) GRO						Batch:	26433
Gasoline Range Organics	ND	mg/L	0.2	EPA 8015C	04/25/22	04/25/22 22:04	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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CALIBER ANALYTICAL SERVICES

8851 Orchard Tree Lane Towson, MD 21286
Phone: 410.825.1151
Fax: 410.825.2126
www.caslabs.net

Chain of Custody Record

220420O6

Customer:	Colonial Pipeline Co.
Contact/Report to:	~~Robert Shenk~~ MATT WYANT
Phone:	~~410-970-2126~~ (240)-204-1158
Fax:	~~410-459-4129~~

MWYANT@COLPIPE.COM

E-mail address:	~~rshenk@colpipe.com~~
Project Name:	CPL BEL-AIR
Project Number:	486077
Location:	FALLSTON MD

SDG Number:	~~22012104~~ 220S
PO Number:	Verbal

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Matrix	Preservative	8015 DRO	8015 GRO	VOCs (8260) w/ NAPHT. + FUEL OXYGENATES								Sampling Remarks/ Comments
	MW-7	4.20.22	1035	4	GW		X	X	X								
	MW-1	4.20.22	1120	4	GW		X	X	X								
	MW-4	4.20.22	1205	4	GW		X	X	X								
	MW-10	4.20.22	1255	4	GW		X	X	X								
	TB-01	4.20.22	—	2	W												
	Dup-01	4.20.22	—	4	GW		X	X	X								

Custody Transfer		Date/Time	
Relinquished by:	JASPER BRINKMANN	Date/Time:	4.20.22
Received by:		Date/Time:	4/20/22 1500
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

Deliverables: I II III CLP EDD

Receipt Temperature: Temp: 2.7 On Ice

Turnaround Time: STD Next Day 2-Day Other____

Custody Seals: Sample Cooler Delivered by client

Comments/Special Instructions:

CALIBER ANALYTICAL SERVICES

VOLATILES

SYSTEM MONITORING COMPOUND RECOVERY (SURROGATES)

METHOD: EPA 8260B **LAB CODE:** SURR

MATRIX: WATER **BATCH NUMBER:** 26426

Sample ID	Date/Time Analyzed	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
MW-7 / 22042006-01	4/22/2022 5:37:00 PM	94	95	97
MW-1 / 22042006-02	4/22/2022 6:11:00 PM	94	92	97
MW-4 / 22042006-03	4/22/2022 6:44:00 PM	89	91	98
MW-10 / 22042006-04	4/22/2022 7:18:00 PM	95	92	96
TB-01 / 22042006-05	4/22/2022 7:52:00 PM	95	92	96
DUP-01 / 22042006-06	4/22/2022 8:25:00 PM	96	94	98
	Upper Limit	115	120	115
	Lower Limit	85	80	85

* - Indicates values outside of QC control limits.

CALIBER ANALYTICAL SERVICES

VOLATILES
LABORATORY CONTROL SAMPLE SUMMARY

METHOD: EPA 8260B
BATCH NUMBER: 26426
MATRIX: WATER
INSTRUMENT: VOC1

SAMPLE ID: LCS
DATE ANALYZED: 4/22/2022 5:03:00 PM
LAB FILE IDs: 14.D

SAMPLE SPIKE COMPOUND	SPIKE ADDED (ppb)	SAMPLE CONC (ppb)	SPIKE CONC (ppb)	SPIKE REC (%)	QC LIMITS (%)
1,1-DICHLOROETHENE	25	NA	27.9	111	63 - 142
BENZENE	25	NA	24.1	96	65 - 133
CARBON TETRACHLORIDE	25	NA	26.7	107	74 - 135
CHLOROBENZENE	25	NA	24.3	97	65 - 118
CHLOROFORM	25	NA	22.4	89	60 - 144
M&P-XYLENE	50	NA	51.0	102	62 - 129
METHYL T-BUTYL ETHER (MTBE)	25	NA	22.3	89	77 - 143
TETRACHLOROETHENE	25	NA	27.8	111	60 - 121
TOLUENE	25	NA	24.8	99	67 - 131
TRICHLOROETHENE	25	NA	26.6	106	60 - 121
VINYL CHLORIDE	25	NA	23.7	95	69 - 129

* - Indicates values outside of QC control limits.

Calculations:

$$\%\text{Recovery} = \left[\frac{(\textit{Spike Conc.-Sample Conc.})}{\textit{Spike Added}}\right] * 100$$

$$\text{Relative Percent Difference (RPD)} = \left|\frac{(\textit{Spike Dup Conc.-Spike Conc.})}{\left(\frac{(\textit{Spike Dup Conc.} + \textit{Spike Conc.})}{2}\right)}\right| * 100$$

CALIBER ANALYTICAL SERVICES

METHOD BLANK RESULTS

Analysis: Volatiles
Matrix: Water
Batch ID: 26426
Batch Date: 4/22/2022

	Result	Unit	Method	LLQ	Date / Time Analyzed
Dichlorodifluoromethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Chloromethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
VINYL CHLORIDE	ND	ug/L	EPA 8260B	1.0	04/22/22 16:30
Bromomethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Chloroethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Trichlorofluoromethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,1-DICHLOROETHENE	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,1,2-Trichlorotrifluoroethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Acetone	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
Carbon disulfide	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Methyl acetate	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Methylene chloride	ND	ug/L	EPA 8260B	10.0	04/22/22 16:30
trans-1,2-Dichloroethene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Methyl t-butyl ether (MTBE)	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,1-Dichloroethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
cis-1,2-Dichloroethene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
2-Butanone (MEK)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
CHLOROFORM	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,1,1-Trichloroethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Cyclohexane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Carbon tetrachloride	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Benzene	ND	ug/L	EPA 8260B	1.0	04/22/22 16:30
1,2-Dichloroethane (EDC)	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Trichloroethene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Methylcyclohexane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,2-DICHLOROPROPANE	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Bromodichloromethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
cis-1,3-Dichloropropene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
4-Methyl-2-pentanone (MIBK)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
TOLUENE	ND	ug/L	EPA 8260B	1.0	04/22/22 16:30
trans-1,3-Dichloropropene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,1,2-Trichloroethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Tetrachloroethene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
2-Hexanone (MBK)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
Dibromochloromethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,2-Dibromoethane (EDB)	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
CHLOROBENZENE	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
ETHYLBENZENE	ND	ug/L	EPA 8260B	1.0	04/22/22 16:30

CALIBER ANALYTICAL SERVICES

METHOD BLANK RESULTS

Analysis: Volatiles
Matrix: Water
Batch ID: 26426
Batch Date: 4/22/2022

	Result	Unit	Method	LLQ	Date / Time Analyzed
m&p-Xylene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
o-Xylene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Styrene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Bromoform	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Isopropylbenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,1,2,2-Tetrachloroethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,3,5-Trimethylbenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,2,4-Trimethylbenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,3-Dichlorobenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,4-Dichlorobenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,2-Dichlorobenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,2,4-Trichlorobenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Naphthalene	ND	ug/L	EPA 8260B	10.0	04/22/22 16:30
Ethyl t-butyl ether (ETBE)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
tert-Butanol (TBA)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
Diisopropyl ether (DIPE)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
tert-Amyl methyl ether (TAME)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
tert-Amyl alcohol (TAA)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
tert-Amyl ethyl ether (TAEE)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30

Notes/Comments:
LLQ - Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

CALIBER ANALYTICAL SERVICES

GRO

SYSTEM MONITORING COMPOUND RECOVERY (SURROGATES)

METHOD:	**EPA 8015C**	**LAB CODE:**	**SURR**
MATRIX:	**WATER**	**BATCH NUMBER:**	**26433**

Sample ID	Date/Time Analyzed	TFT
MW-7 / 22042006-01	4/25/2022 8:10:00 PM	92
MW-1 / 22042006-02	4/25/2022 8:38:00 PM	83
MW-4 / 22042006-03	4/25/2022 9:07:00 PM	92
MW-10 / 22042006-04	4/25/2022 9:35:00 PM	93
DUP-01 / 22042006-06	4/25/2022 10:04:00 PM	90

Upper Limit	124
Lower Limit	49

* - Indicates values outside of QC control limits.

CALIBER ANALYTICAL SERVICES

GRO
LABORATORY CONTROL SAMPLE SUMMARY

METHOD: EPA 8015C
BATCH NUMBER: 26433
MATRIX: WATER
INSTRUMENT: VOC-PID/FID

SAMPLE ID: LCS
DATE ANALYZED: 4/25/2022 4:51:00 PM
LAB FILE IDs: 03.D

SAMPLE SPIKE COMPOUND	SPIKE ADDED (ppb)	SAMPLE CONC (ppb)	SPIKE CONC (ppb)	SPIKE REC (%)	QC LIMITS (%)
GASOLINE RANGE ORGANICS	5500	NA	5337.9	97	75 - 125

* - Indicates values outside of QC control limits.

Calculations:

$$\%\text{Recovery} = \left[\frac{(\textit{Spike Conc.-Sample Conc.})}{\textit{Spike Added}}\right] * 100$$

$$\text{Relative Percent Difference (RPD)} = \left|\frac{(\textit{Spike Dup Conc.-Spike Conc.})}{\left(\frac{(\textit{Spike Dup Conc.} + \textit{Spike Conc.})}{2}\right)}\right| * 100$$

CALIBER ANALYTICAL SERVICES

METHOD BLANK RESULTS

Analysis: GRO
Matrix: Water
Batch ID: 26433
Batch Date: 4/25/2022

	Result	Unit	Method	LLQ	Date / Time Analyzed
Gasoline Range Organics	ND	mg/L	EPA 8015C	0.2	04/25/22 17:19

Notes/Comments:
LLQ - Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

CALIBER ANALYTICAL SERVICES

DRO

SYSTEM MONITORING COMPOUND RECOVERY
(SURROGATES)

METHOD:	**EPA 8015C**	**LAB CODE:**	**SURR**
MATRIX:	**WATER**	**BATCH NUMBER:**	**26437**

Sample ID	Date/Time Analyzed	o-Terphenyl
MW-7 / 22042006-01	4/27/2022 12:49:00 PM	94
MW-1 / 22042006-02	4/27/2022 12:49:00 PM	83
MW-4 / 22042006-03	4/27/2022 1:27:00 PM	99
MW-10 / 22042006-04	4/27/2022 1:27:00 PM	83
DUP-01 / 22042006-06	4/27/2022 2:05:00 PM	99

Upper Limit	130
Lower Limit	52

* - Indicates values outside of QC control limits.

CALIBER ANALYTICAL SERVICES

DRO
LABORATORY CONTROL SAMPLE SUMMARY

METHOD: EPA 8015C
BATCH NUMBER: 26437
MATRIX: WATER
INSTRUMENT: DRO1

SAMPLE ID: LCS
DATE ANALYZED: 4/27/2022 12:11:00 PM
LAB FILE IDs: 04.D

SAMPLE SPIKE COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONC (mg/L)	SPIKE CONC (mg/L)	SPIKE REC (%)	QC LIMITS (%)
DIESEL RANGE ORGANICS	510	NA	517.5	101	60 - 120

* - Indicates values outside of QC control limits.

Calculations:

$$\%\text{Recovery} = \left[\frac{(\textit{Spike Conc.-Sample Conc.})}{\textit{Spike Added}}\right] * 100$$

$$\text{Relative Percent Difference (RPD)} = \left|\frac{(\textit{Spike Dup Conc.-Spike Conc.})}{\left(\frac{(\textit{Spike Dup Conc.} + \textit{Spike Conc.})}{2}\right)}\right| * 100$$

CALIBER ANALYTICAL SERVICES

METHOD BLANK RESULTS

Analysis: DRO
Matrix: Water
Batch ID: 26437
Batch Date: 4/26/2022

	Result	Unit	Method	LLQ	Date / Time Analyzed
Diesel Range Organics	ND	mg/L	EPA 8015C	0.2	04/27/22 12:11

Notes/Comments:
LLQ - Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

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Woodbine, MD 21797

Date Sampled: 04/20/22 11:16
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042007

Field Sample ID: MW-17 **Matrix: Water** **Lab ID: 22042007-01**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 20:58	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 20:58	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 20:58	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 20:58	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH

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CALIBER ANALYTICAL SERVICES

Certificate of Analysis

Colonial Pipeline Co.
929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/20/22 11:16
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042007

Field Sample ID: MW-17 **Matrix: Water** **Lab ID: 22042007-01**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
o-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:58	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:58	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:58	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:58	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 20:58	GFH
Total Petroleum Hydrocarbons - (C10-C28) DRO						Batch:	26437
Diesel Range Organics	ND	mg/L	0.19	EPA 8015C	04/26/22	04/27/22 14:05	DBS
Total Petroleum Hydrocarbons - (C6-C10) GRO						Batch:	26433
Gasoline Range Organics	ND	mg/L	0.2	EPA 8015C	04/25/22	04/25/22 22:32	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Certificate of Analysis

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929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/20/22 12:01
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042007

Field Sample ID: MW-16 **Matrix: Water** **Lab ID: 22042007-02**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 21:31	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 21:31	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 21:31	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 21:31	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH

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Certificate of Analysis

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929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/20/22 12:01
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042007

Field Sample ID: MW-16 **Matrix: Water** **Lab ID: 22042007-02**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
o-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 21:31	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 21:31	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 21:31	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 21:31	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 21:31	GFH
Total Petroleum Hydrocarbons - (C10-C28) DRO						Batch:	26437
Diesel Range Organics	ND	mg/L	0.19	EPA 8015C	04/26/22	04/27/22 14:44	DBS
Total Petroleum Hydrocarbons - (C6-C10) GRO						Batch:	26433
Gasoline Range Organics	ND	mg/L	0.2	EPA 8015C	04/25/22	04/25/22 23:00	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Certificate of Analysis

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Woodbine, MD 21797

Date Sampled: 04/20/22 12:46
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042007

Field Sample ID: MW-15 **Matrix: Water** **Lab ID: 22042007-03**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 22:04	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 22:04	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 22:04	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 22:04	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH

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Certificate of Analysis

Colonial Pipeline Co.
929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/20/22 12:46
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042007

Field Sample ID: MW-15 **Matrix: Water** **Lab ID: 22042007-03**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
o-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:04	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:04	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:04	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:04	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:04	GFH
Total Petroleum Hydrocarbons - (C10-C28) DRO						Batch:	26437
Diesel Range Organics	ND	mg/L	0.19	EPA 8015C	04/26/22	04/27/22 14:44	DBS
Total Petroleum Hydrocarbons - (C6-C10) GRO						Batch:	26433
Gasoline Range Organics	ND	mg/L	0.2	EPA 8015C	04/25/22	04/25/22 23:29	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Date Sampled: 04/20/22 13:31
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042007

Field Sample ID: MW-9 **Matrix: Water** **Lab ID: 22042007-04**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 22:37	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 22:37	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 22:37	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 22:37	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH

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Woodbine, MD 21797

Date Sampled: 04/20/22 13:31
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042007

Field Sample ID: MW-9 **Matrix: Water** **Lab ID: 22042007-04**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
o-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:37	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:37	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:37	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:37	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 22:37	GFH
Total Petroleum Hydrocarbons - (C10-C28) DRO						Batch:	26437
Diesel Range Organics	ND	mg/L	0.2	EPA 8015C	04/26/22	04/27/22 15:23	DBS
Total Petroleum Hydrocarbons - (C6-C10) GRO						Batch:	26433
Gasoline Range Organics	ND	mg/L	0.2	EPA 8015C	04/25/22	04/25/22 23:57	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Date Sampled: 04/20/22
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042007

Field Sample ID: TB-02 **Matrix: Water** **Lab ID: 22042007-05**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 23:10	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 23:10	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 23:10	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 23:10	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH

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Date Sampled: 04/20/22
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042007

Field Sample ID: TB-02 **Matrix: Water** **Lab ID: 22042007-05**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
o-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:10	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:10	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:10	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:10	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:10	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:10	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Date Sampled: 04/20/22 14:00
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042007

Field Sample ID: FB-01 **Matrix: Water** **Lab ID: 22042007-06**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 23:43	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 23:43	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 23:43	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/22/22	04/22/22 23:43	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH

8851 Orchard Tree Lane | Towson, Maryland 21286 | tel: 410.825.1151 | fax: 410.825.2126 | www.caslabs.net

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

Colonial Pipeline Co.
929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/20/22 14:00
Date Received: 04/20/22 15:00
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042007

Field Sample ID: FB-01 **Matrix: Water** **Lab ID: 22042007-06**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
o-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:43	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:43	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:43	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:43	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:43	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/22/22	04/22/22 23:43	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

8851 Orchard Tree Lane | Towson, Maryland 21286 | tel: 410.825.1151 | fax: 410.825.2126 | www.caslabs.net

CALIBER ANALYTICAL SERVICES

8851 Orchard Tree Lane Towson, MD 21286
Phone: 410.825.1151
Fax: 410.825.2126
www.caslabs.net

Chain of Custody Record

Customer:	Colonial Pipeline Co.
Contact/Report to:	~~Robert Shenk~~ MATT WYANT
Phone:	~~410-970-2126~~ (240)-204-1158
Fax:	~~410-459-4129~~

MWYANT@COLPIPE.COM

E-mail address:	~~rshenk@colpipe.com~~
Project Name:	CPC BEL-AIR
Project Number:	486077
Location:	FALLSTON, MD

SDG Number:	22042007
PO Number:	Verbal

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Preservative / Matrix	8015 DRO	8015 GRO	VOCs (8260) w/ NAPHTHALENE AND FUEL OXYGENATES								Sampling Remarks/ Comments
	MW-17	4.20.22	1116	4	GW	X	X	X								
	MW-16	4.20.22	1201	4	GW	X	X	X								
	MW-15	4.20.22	1246	4	GW	X	X	X								
	MW-9	4.20.22	1331	4	GW	X	X	X								
	TB-02	4.20.22	—	2	W											
	EB-01	4.20.22	1400	3	W	X	X	X								

Custody Transfer		Date/Time	
Relinquished by:	JASPER BRINKMANN	**Date/Time:**	4.20.22 /
Received by:		**Date/Time:**	4/20/22 1500
Relinquished by:		**Date/Time:**	
Received by:		**Date/Time:**	

Deliverables: I II III CLP EDD

Custody Seals: Sample Cooler

Delivered by client

Receipt Temperature: Temp: 2.7 On Ice

Turnaround Time: (STD) Next Day 2-Day Other____

Comments/Special Instructions:

CALIBER ANALYTICAL SERVICES

VOLATILES

SYSTEM MONITORING COMPOUND RECOVERY (SURROGATES)

METHOD: EPA 8260B **LAB CODE:** SURR

MATRIX: WATER **BATCH NUMBER:** 26426

Sample ID	Date/Time Analyzed	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
MW-17 / 22042007-01	4/22/2022 8:58:00 PM	92	93	98
MW-16 / 22042007-02	4/22/2022 9:31:00 PM	93	92	97
MW-15 / 22042007-03	4/22/2022 10:04:00 PM	93	92	97
MW-9 / 22042007-04	4/22/2022 10:37:00 PM	94	91	96
TB-02 / 22042007-05	4/22/2022 11:10:00 PM	94	91	97
FB-01 / 22042007-06	4/22/2022 11:43:00 PM	93	91	96
Upper Limit		115	120	115
Lower Limit		85	80	85

* - Indicates values outside of QC control limits.

CALIBER ANALYTICAL SERVICES

VOLATILES
LABORATORY CONTROL SAMPLE SUMMARY

METHOD: EPA 8260B
BATCH NUMBER: 26426
MATRIX: WATER
INSTRUMENT: VOC1

SAMPLE ID: LCS
DATE ANALYZED: 4/22/2022 5:03:00 PM
LAB FILE IDs: 14.D

SAMPLE SPIKE COMPOUND	SPIKE ADDED (ppb)	SAMPLE CONC (ppb)	SPIKE CONC (ppb)	SPIKE REC (%)	QC LIMITS (%)
1,1-DICHLOROETHENE	25	NA	27.9	111	63 - 142
BENZENE	25	NA	24.1	96	65 - 133
CARBON TETRACHLORIDE	25	NA	26.7	107	74 - 135
CHLOROBENZENE	25	NA	24.3	97	65 - 118
CHLOROFORM	25	NA	22.4	89	60 - 144
M&P-XYLENE	50	NA	51.0	102	62 - 129
METHYL T-BUTYL ETHER (MTBE)	25	NA	22.3	89	77 - 143
TETRACHLOROETHENE	25	NA	27.8	111	60 - 121
TOLUENE	25	NA	24.8	99	67 - 131
TRICHLOROETHENE	25	NA	26.6	106	60 - 121
VINYL CHLORIDE	25	NA	23.7	95	69 - 129

* - Indicates values outside of QC control limits.

Calculations:

$$\%\text{Recovery} = \left[\frac{(\textit{Spike Conc.-Sample Conc.})}{\textit{Spike Added}}\right] * 100$$

$$\text{Relative Percent Difference (RPD)} = \left|\frac{(\textit{Spike Dup Conc.-Spike Conc.})}{\left(\frac{(\textit{Spike Dup Conc.} + \textit{Spike Conc.})}{2}\right)}\right| * 100$$

CALIBER ANALYTICAL SERVICES

METHOD BLANK RESULTS

Analysis: Volatiles
Matrix: Water
Batch ID: 26426
Batch Date: 4/22/2022

	Result	Unit	Method	LLQ	Date / Time Analyzed
Dichlorodifluoromethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Chloromethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
VINYL CHLORIDE	ND	ug/L	EPA 8260B	1.0	04/22/22 16:30
Bromomethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Chloroethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Trichlorofluoromethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,1-DICHLOROETHENE	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,1,2-Trichlorotrifluoroethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Acetone	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
Carbon disulfide	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Methyl acetate	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Methylene chloride	ND	ug/L	EPA 8260B	10.0	04/22/22 16:30
trans-1,2-Dichloroethene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Methyl t-butyl ether (MTBE)	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,1-Dichloroethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
cis-1,2-Dichloroethene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
2-Butanone (MEK)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
CHLOROFORM	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,1,1-Trichloroethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Cyclohexane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Carbon tetrachloride	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Benzene	ND	ug/L	EPA 8260B	1.0	04/22/22 16:30
1,2-Dichloroethane (EDC)	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Trichloroethene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Methylcyclohexane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,2-DICHLOROPROPANE	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Bromodichloromethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
cis-1,3-Dichloropropene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
4-Methyl-2-pentanone (MIBK)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
TOLUENE	ND	ug/L	EPA 8260B	1.0	04/22/22 16:30
trans-1,3-Dichloropropene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,1,2-Trichloroethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Tetrachloroethene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
2-Hexanone (MBK)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
Dibromochloromethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,2-Dibromoethane (EDB)	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
CHLOROBENZENE	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
ETHYLBENZENE	ND	ug/L	EPA 8260B	1.0	04/22/22 16:30

CALIBER ANALYTICAL SERVICES

METHOD BLANK RESULTS

Analysis: Volatiles
Matrix: Water
Batch ID: 26426
Batch Date: 4/22/2022

	Result	Unit	Method	LLQ	Date / Time Analyzed
m&p-Xylene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
o-Xylene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Styrene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Bromoform	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Isopropylbenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,1,2,2-Tetrachloroethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,3,5-Trimethylbenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,2,4-Trimethylbenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,3-Dichlorobenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,4-Dichlorobenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,2-Dichlorobenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,2,4-Trichlorobenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Naphthalene	ND	ug/L	EPA 8260B	10.0	04/22/22 16:30
Ethyl t-butyl ether (ETBE)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
tert-Butanol (TBA)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
Diisopropyl ether (DIPE)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
tert-Amyl methyl ether (TAME)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
tert-Amyl alcohol (TAA)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
tert-Amyl ethyl ether (TAEE)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30

Notes/Comments:
LLQ - Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

CALIBER ANALYTICAL SERVICES

GRO

SYSTEM MONITORING COMPOUND RECOVERY (SURROGATES)

METHOD:	**EPA 8015C**	**LAB CODE:**	**SURR**
MATRIX:	**WATER**	**BATCH NUMBER:**	**26433**

Sample ID	Date/Time Analyzed	TFT
MW-17 / 22042007-01	4/25/2022 10:32:00 PM	83
MW-16 / 22042007-02	4/25/2022 11:00:00 PM	94
MW-15 / 22042007-03	4/25/2022 11:29:00 PM	81
MW-9 / 22042007-04	4/25/2022 11:57:00 PM	94

Upper Limit	124
Lower Limit	49

* - Indicates values outside of QC control limits.

CALIBER ANALYTICAL SERVICES

GRO
LABORATORY CONTROL SAMPLE SUMMARY

METHOD: EPA 8015C
BATCH NUMBER: 26433
MATRIX: WATER
INSTRUMENT: VOC-PID/FID

SAMPLE ID: LCS
DATE ANALYZED: 4/25/2022 4:51:00 PM
LAB FILE IDs: 03.D

SAMPLE SPIKE COMPOUND	SPIKE ADDED (ppb)	SAMPLE CONC (ppb)	SPIKE CONC (ppb)	SPIKE REC (%)	QC LIMITS (%)
GASOLINE RANGE ORGANICS	5500	NA	5337.9	97	75 - 125

* - Indicates values outside of QC control limits.

Calculations:

$$\%\text{Recovery} = \left[\frac{(\textit{Spike Conc.-Sample Conc.})}{\textit{Spike Added}}\right] * 100$$

$$\text{Relative Percent Difference (RPD)} = \left|\frac{(\textit{Spike Dup Conc.-Spike Conc.})}{\left(\frac{(\textit{Spike Dup Conc.} + \textit{Spike Conc.})}{2}\right)}\right| * 100$$

CALIBER ANALYTICAL SERVICES

METHOD BLANK RESULTS

Analysis: GRO
Matrix: Water
Batch ID: 26433
Batch Date: 4/25/2022

	Result	Unit	Method	LLQ	Date / Time Analyzed
Gasoline Range Organics	ND	mg/L	EPA 8015C	0.2	04/25/22 17:19

Notes/Comments:
LLQ - Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

CALIBER ANALYTICAL SERVICES

DRO

SYSTEM MONITORING COMPOUND RECOVERY
(SURROGATES)

METHOD:	**EPA 8015C**	**LAB CODE:**	**SURR**
MATRIX:	**WATER**	**BATCH NUMBER:**	**26437**

Sample ID	Date/Time Analyzed	o-Terphenyl
MW-17 / 22042007-01	4/27/2022 2:05:00 PM	91
MW-16 / 22042007-02	4/27/2022 2:44:00 PM	75
MW-15 / 22042007-03	4/27/2022 2:44:00 PM	94
MW-9 / 22042007-04	4/27/2022 3:23:00 PM	100

Upper Limit	130
Lower Limit	52

* - Indicates values outside of QC control limits.

CALIBER ANALYTICAL SERVICES

DRO
LABORATORY CONTROL SAMPLE SUMMARY

METHOD: EPA 8015C
BATCH NUMBER: 26437
MATRIX: WATER
INSTRUMENT: DRO1

SAMPLE ID: LCS
DATE ANALYZED: 4/27/2022 12:11:00 PM
LAB FILE IDs: 04.D

SAMPLE SPIKE COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONC (mg/L)	SPIKE CONC (mg/L)	SPIKE REC (%)	QC LIMITS (%)
DIESEL RANGE ORGANICS	510	NA	517.5	101	60 - 120

* - Indicates values outside of QC control limits.

Calculations:

$$\%\text{Recovery} = \left[\frac{(\textit{Spike Conc.-Sample Conc.})}{\textit{Spike Added}}\right] * 100$$

$$\text{Relative Percent Difference (RPD)} = \left|\frac{(\textit{Spike Dup Conc.-Spike Conc.})}{\left(\frac{(\textit{Spike Dup Conc.} + \textit{Spike Conc.})}{2}\right)}\right| * 100$$

CALIBER ANALYTICAL SERVICES

METHOD BLANK RESULTS

Analysis: DRO
Matrix: Water
Batch ID: 26437
Batch Date: 4/26/2022

	Result	Unit	Method	LLQ	Date / Time Analyzed
Diesel Range Organics	ND	mg/L	EPA 8015C	0.2	04/27/22 12:11

Notes/Comments:
LLQ - Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

Colonial Pipeline Co.
929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/21/22 12:51
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042101

Field Sample ID: MW-2 **Matrix: Water** **Lab ID: 22042101-01**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/22/22	04/23/22 0:16	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Benzene	**4**	ug/L	1	EPA 8260B	04/22/22	04/23/22 0:16	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 0:16	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 0:16	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH

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929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/21/22 12:51
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042101

Field Sample ID: MW-2 **Matrix: Water** **Lab ID: 22042101-01**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
o-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:16	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:16	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:16	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:16	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:16	GFH
Total Petroleum Hydrocarbons - (C10-C28) DRO						Batch:	26437
Diesel Range Organics	**0.37**	mg/L	0.19	EPA 8015C	04/26/22	04/27/22 15:23	DBS
Total Petroleum Hydrocarbons - (C6-C10) GRO						Batch:	26433
Gasoline Range Organics	**0.29**	mg/L	0.2	EPA 8015C	04/25/22	04/26/22 0:54	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Date Sampled: 04/21/22 11:56
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042101

Field Sample ID: MW-14 **Matrix: Water** **Lab ID: 22042101-02**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/22/22	04/23/22 0:50	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 0:50	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 0:50	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 0:50	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH

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Woodbine, MD 21797

Date Sampled: 04/21/22 11:56
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042101

Field Sample ID: MW-14 **Matrix: Water** **Lab ID: 22042101-02**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
o-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:50	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:50	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:50	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:50	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 0:50	GFH
Total Petroleum Hydrocarbons - (C10-C28) DRO						Batch:	26437
Diesel Range Organics	ND	mg/L	0.2	EPA 8015C	04/26/22	04/27/22 16:02	DBS
Total Petroleum Hydrocarbons - (C6-C10) GRO						Batch:	26433
Gasoline Range Organics	ND	mg/L	0.2	EPA 8015C	04/25/22	04/26/22 1:23	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Certificate of Analysis

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Woodbine, MD 21797

Date Sampled: 04/21/22 11:06
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042101

Field Sample ID: MW-11 **Matrix: Water** **Lab ID: 22042101-03**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/22/22	04/23/22 1:23	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 1:23	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 1:23	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 1:23	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH

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Date Sampled: 04/21/22 11:06
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042101

Field Sample ID: MW-11 **Matrix: Water** **Lab ID: 22042101-03**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
o-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:23	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:23	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:23	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:23	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:23	GFH
Total Petroleum Hydrocarbons - (C10-C28) DRO						Batch:	26437
Diesel Range Organics	ND	mg/L	0.2	EPA 8015C	04/26/22	04/27/22 16:02	DBS
Total Petroleum Hydrocarbons - (C6-C10) GRO						Batch:	26433
Gasoline Range Organics	ND	mg/L	0.2	EPA 8015C	04/25/22	04/26/22 1:51	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Certificate of Analysis

Colonial Pipeline Co.
929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/21/22 10:01
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042101

Field Sample ID: MW-3 **Matrix: Water** **Lab ID: 22042101-04**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/22/22	04/23/22 1:56	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 1:56	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 1:56	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 1:56	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH

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Certificate of Analysis

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929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/21/22 10:01
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042101

Field Sample ID: MW-3 **Matrix: Water** **Lab ID: 22042101-04**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
o-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:56	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:56	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:56	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:56	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 1:56	GFH
Total Petroleum Hydrocarbons - (C10-C28) DRO						Batch:	26437
Diesel Range Organics	ND	mg/L	0.2	EPA 8015C	04/26/22	04/27/22 16:42	DBS
Total Petroleum Hydrocarbons - (C6-C10) GRO						Batch:	26433
Gasoline Range Organics	ND	mg/L	0.2	EPA 8015C	04/25/22	04/26/22 2:19	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Certificate of Analysis

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Date Sampled: 04/21/22 13:30
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042101

Field Sample ID: FB-02 **Matrix: Water** **Lab ID: 22042101-05**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/22/22	04/23/22 2:29	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 2:29	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 2:29	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 2:29	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH

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Certificate of Analysis

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929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/21/22 13:30
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042101

Field Sample ID: FB-02 **Matrix: Water** **Lab ID: 22042101-05**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
o-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 2:29	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 2:29	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 2:29	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 2:29	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 2:29	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 2:29	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Certificate of Analysis

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Date Sampled: 04/21/22
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042101

Field Sample ID: TB-02 **Matrix: Water** **Lab ID: 22042101-06**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/22/22	04/23/22 3:02	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 3:02	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 3:02	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 3:02	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH

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CALIBER ANALYTICAL SERVICES

Certificate of Analysis

Colonial Pipeline Co.
929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/21/22
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042101

Field Sample ID: TB-02 **Matrix: Water** **Lab ID: 22042101-06**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
o-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:02	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:02	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:02	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:02	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:02	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:02	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Certificate of Analysis

Colonial Pipeline Co.
929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/21/22 10:05
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042101

Field Sample ID: DUP-02 **Matrix: Water** **Lab ID: 22042101-07**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/22/22	04/23/22 3:35	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 3:35	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 3:35	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/22/22	04/23/22 3:35	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

Colonial Pipeline Co.
929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/21/22 10:05
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042101

Field Sample ID: DUP-02 **Matrix: Water** **Lab ID: 22042101-07**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26426
o-Xylene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:35	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:35	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:35	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:35	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/22/22	04/23/22 3:35	GFH
Total Petroleum Hydrocarbons - (C10-C28) DRO						Batch:	26437
Diesel Range Organics	ND	mg/L	0.2	EPA 8015C	04/26/22	04/27/22 16:42	DBS
Total Petroleum Hydrocarbons - (C6-C10) GRO						Batch:	26433
Gasoline Range Organics	ND	mg/L	0.2	EPA 8015C	04/25/22	04/26/22 2:48	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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CALIBER ANALYTICAL SERVICES

8851 Orchard Tree Lane Towson, MD 21286
Phone: 410.825.1151
Fax: 410.825.2126
www.caslabs.net

Chain of Custody Record

Customer:	Colonial Pipeline Co.
Contact/Report to:	~~Robert Shenk~~ MATT WYANT
Phone:	~~410-970-2126~~ 240-204-1158
Fax:	~~410-459-4129~~

MWYANT@COLPIPE.COM

E-mail address:	~~rshenk@colpipe.com~~
Project Name:	CPC BEL-AIR
Project Number:	486077
Location:	FALLSTON, MD

SDG Number:	22042101
PO Number:	Verbal

Analysis Requested

Lab Number	Field Sample ID	Date Sampled	Time Sampled	No. of Bottles	Preservative / Matrix	8015 DRO	8015 GRO	VOCs (8260) w/ NAPHTHALENE + FUEL OXYGENATES								Sampling Remarks/ Comments
	MW-2	4/21/22	12:57	4	GW	X	X	X								
	MW-14	4/21/22	11:56	4	GW	X	X	X								
	MW-11	4/21/22	11:06	4	GW	X	X	X								
	MW-3	4/21/22	10:01	4	GW	X	X	X								
	FB-02	4/21/22	13:30	3	W	X	X	X								
	TB-02	4/21/22	—	2	W											
	DUP-02	4/21/22	10:05	4	GW	X	X	X								

Custody Transfer		Date/Time		Deliverables:	Receipt Temperature:	Turnaround Time:
Relinquished by:	JASPER BRINKMANN	**Date/Time:**	4/21/22 1409	I II III CLP EDD	Temp: Sandy On Ice	STD Next Day 2-Day Other____
Received by:		**Date/Time:**	4/21/22 1409	**Custody Seals:** Sample Cooler	**Comments/Special Instructions:**	
Relinquished by:		**Date/Time:**		Delivered by client		
Received by:		**Date/Time:**				

CALIBER ANALYTICAL SERVICES

VOLATILES

SYSTEM MONITORING COMPOUND RECOVERY (SURROGATES)

METHOD: EPA 8260B **LAB CODE:** SURR

MATRIX: WATER **BATCH NUMBER:** 26426

Sample ID	Date/Time Analyzed	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
MW-2 / 22042101-01	4/23/2022 12:16:00 AM	93	93	96
MW-14 / 22042101-02	4/23/2022 12:50:00 AM	93	92	96
MW-11 / 22042101-03	4/23/2022 1:23:00 AM	94	92	97
MW-3 / 22042101-04	4/23/2022 1:56:00 AM	92	90	97
FB-02 / 22042101-05	4/23/2022 2:29:00 AM	95	90	97
TB-02 / 22042101-06	4/23/2022 3:02:00 AM	93	91	95
DUP-02 / 22042101-07	4/23/2022 3:35:00 AM	94	91	96
	Upper Limit	115	120	115
	Lower Limit	85	80	85

* - Indicates values outside of QC control limits.

CALIBER ANALYTICAL SERVICES

VOLATILES
LABORATORY CONTROL SAMPLE SUMMARY

METHOD: EPA 8260B
BATCH NUMBER: 26426
MATRIX: WATER
INSTRUMENT: VOC1

SAMPLE ID: LCS
DATE ANALYZED: 4/22/2022 5:03:00 PM
LAB FILE IDs: 14.D

SAMPLE SPIKE COMPOUND	SPIKE ADDED (ppb)	SAMPLE CONC (ppb)	SPIKE CONC (ppb)	SPIKE REC (%)	QC LIMITS (%)
1,1-DICHLOROETHENE	25	NA	27.9	111	63 - 142
BENZENE	25	NA	24.1	96	65 - 133
CARBON TETRACHLORIDE	25	NA	26.7	107	74 - 135
CHLOROBENZENE	25	NA	24.3	97	65 - 118
CHLOROFORM	25	NA	22.4	89	60 - 144
M&P-XYLENE	50	NA	51.0	102	62 - 129
METHYL T-BUTYL ETHER (MTBE)	25	NA	22.3	89	77 - 143
TETRACHLOROETHENE	25	NA	27.8	111	60 - 121
TOLUENE	25	NA	24.8	99	67 - 131
TRICHLOROETHENE	25	NA	26.6	106	60 - 121
VINYL CHLORIDE	25	NA	23.7	95	69 - 129

* - Indicates values outside of QC control limits.

Calculations:

$$\%\text{Recovery} = \left[\frac{(\textit{Spike Conc.-Sample Conc.})}{\textit{Spike Added}}\right] * 100$$

$$\text{Relative Percent Difference (RPD)} = \left|\frac{(\textit{Spike Dup Conc.-Spike Conc.})}{\left(\frac{(\textit{Spike Dup Conc.} + \textit{Spike Conc.})}{2}\right)}\right| * 100$$

CALIBER ANALYTICAL SERVICES

METHOD BLANK RESULTS

Analysis: Volatiles
Matrix: Water
Batch ID: 26426
Batch Date: 4/22/2022

	Result	Unit	Method	LLQ	Date / Time Analyzed
Dichlorodifluoromethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Chloromethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
VINYL CHLORIDE	ND	ug/L	EPA 8260B	1.0	04/22/22 16:30
Bromomethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Chloroethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Trichlorofluoromethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,1-DICHLOROETHENE	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,1,2-Trichlorotrifluoroethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Acetone	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
Carbon disulfide	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Methyl acetate	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Methylene chloride	ND	ug/L	EPA 8260B	10.0	04/22/22 16:30
trans-1,2-Dichloroethene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Methyl t-butyl ether (MTBE)	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,1-Dichloroethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
cis-1,2-Dichloroethene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
2-Butanone (MEK)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
CHLOROFORM	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,1,1-Trichloroethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Cyclohexane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Carbon tetrachloride	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Benzene	ND	ug/L	EPA 8260B	1.0	04/22/22 16:30
1,2-Dichloroethane (EDC)	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Trichloroethene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Methylcyclohexane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,2-DICHLOROPROPANE	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Bromodichloromethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
cis-1,3-Dichloropropene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
4-Methyl-2-pentanone (MIBK)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
TOLUENE	ND	ug/L	EPA 8260B	1.0	04/22/22 16:30
trans-1,3-Dichloropropene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,1,2-Trichloroethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Tetrachloroethene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
2-Hexanone (MBK)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
Dibromochloromethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,2-Dibromoethane (EDB)	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
CHLOROBENZENE	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
ETHYLBENZENE	ND	ug/L	EPA 8260B	1.0	04/22/22 16:30

CALIBER ANALYTICAL SERVICES

METHOD BLANK RESULTS

Analysis: Volatiles
Matrix: Water
Batch ID: 26426
Batch Date: 4/22/2022

	Result	Unit	Method	LLQ	Date / Time Analyzed
m&p-Xylene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
o-Xylene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Styrene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Bromoform	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Isopropylbenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,1,2,2-Tetrachloroethane	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,3,5-Trimethylbenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,2,4-Trimethylbenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,3-Dichlorobenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,4-Dichlorobenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,2-Dichlorobenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
1,2,4-Trichlorobenzene	ND	ug/L	EPA 8260B	5.0	04/22/22 16:30
Naphthalene	ND	ug/L	EPA 8260B	10.0	04/22/22 16:30
Ethyl t-butyl ether (ETBE)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
tert-Butanol (TBA)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
Diisopropyl ether (DIPE)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
tert-Amyl methyl ether (TAME)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
tert-Amyl alcohol (TAA)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30
tert-Amyl ethyl ether (TAEE)	ND	ug/L	EPA 8260B	25.0	04/22/22 16:30

Notes/Comments:
LLQ - Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

CALIBER ANALYTICAL SERVICES

GRO

SYSTEM MONITORING COMPOUND RECOVERY (SURROGATES)

METHOD:	**EPA 8015C**	**LAB CODE:**	**SURR**
MATRIX:	**WATER**	**BATCH NUMBER:**	**26433**

Sample ID	Date/Time Analyzed	TFT
MW-2 / 22042101-01	4/26/2022 12:54:00 AM	92
MW-14 / 22042101-02	4/26/2022 1:23:00 AM	87
MW-11 / 22042101-03	4/26/2022 1:51:00 AM	97
MW-3 / 22042101-04	4/26/2022 2:19:00 AM	93
DUP-02 / 22042101-07	4/26/2022 2:48:00 AM	112

Upper Limit	124
Lower Limit	49

* - Indicates values outside of QC control limits.

CALIBER ANALYTICAL SERVICES

GRO
LABORATORY CONTROL SAMPLE SUMMARY

METHOD: EPA 8015C
BATCH NUMBER: 26433
MATRIX: WATER
INSTRUMENT: VOC-PID/FID

SAMPLE ID: LCS
DATE ANALYZED: 4/25/2022 4:51:00 PM
LAB FILE IDs: 03.D

SAMPLE SPIKE COMPOUND	SPIKE ADDED (ppb)	SAMPLE CONC (ppb)	SPIKE CONC (ppb)	SPIKE REC (%)	QC LIMITS (%)
GASOLINE RANGE ORGANICS	5500	NA	5337.9	97	75 - 125

* - Indicates values outside of QC control limits.

Calculations:

$$\%\text{Recovery} = \left[\frac{(\textit{Spike Conc.-Sample Conc.})}{\textit{Spike Added}}\right] * 100$$

$$\text{Relative Percent Difference (RPD)} = \left|\frac{(\textit{Spike Dup Conc.-Spike Conc.})}{\left(\frac{(\textit{Spike Dup Conc.} + \textit{Spike Conc.})}{2}\right)}\right| * 100$$

CALIBER ANALYTICAL SERVICES

METHOD BLANK RESULTS

Analysis: GRO
Matrix: Water
Batch ID: 26433
Batch Date: 4/25/2022

	Result	Unit	Method	LLQ	Date / Time Analyzed
Gasoline Range Organics	ND	mg/L	EPA 8015C	0.2	04/25/22 17:19

Notes/Comments:
LLQ - Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

CALIBER ANALYTICAL SERVICES

DRO

SYSTEM MONITORING COMPOUND RECOVERY
(SURROGATES)

METHOD:	**EPA 8015C**	**LAB CODE:**	**SURR**
MATRIX:	**WATER**	**BATCH NUMBER:**	**26437**

Sample ID	Date/Time Analyzed	o-Terphenyl
MW-2 / 22042101-01	4/27/2022 3:23:00 PM	93
MW-14 / 22042101-02	4/27/2022 4:02:00 PM	98
MW-11 / 22042101-03	4/27/2022 4:02:00 PM	79
MW-3 / 22042101-04	4/27/2022 4:42:00 PM	96
DUP-02 / 22042101-07	4/27/2022 4:42:00 PM	62

Upper Limit	130
Lower Limit	52

* - Indicates values outside of QC control limits.

CALIBER ANALYTICAL SERVICES

DRO
LABORATORY CONTROL SAMPLE SUMMARY

METHOD: EPA 8015C
BATCH NUMBER: 26437
MATRIX: WATER
INSTRUMENT: DRO1

SAMPLE ID: LCS
DATE ANALYZED: 4/27/2022 12:11:00 PM
LAB FILE IDs: 04.D

SAMPLE SPIKE COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONC (mg/L)	SPIKE CONC (mg/L)	SPIKE REC (%)	QC LIMITS (%)
DIESEL RANGE ORGANICS	510	NA	517.5	101	60 - 120

* - Indicates values outside of QC control limits.

Calculations:

$$\%\text{Recovery} = \left[\frac{(\textit{Spike Conc.-Sample Conc.})}{\textit{Spike Added}}\right] * 100$$

$$\text{Relative Percent Difference (RPD)} = \left|\frac{(\textit{Spike Dup Conc.-Spike Conc.})}{\left(\frac{(\textit{Spike Dup Conc.} + \textit{Spike Conc.})}{2}\right)}\right| * 100$$

CALIBER ANALYTICAL SERVICES

METHOD BLANK RESULTS

Analysis: DRO
Matrix: Water
Batch ID: 26437
Batch Date: 4/26/2022

	Result	Unit	Method	LLQ	Date / Time Analyzed
Diesel Range Organics	ND	mg/L	EPA 8015C	0.2	04/27/22 12:11

Notes/Comments:
LLQ - Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

CALIBER ANALYTICAL SERVICES

Certificate of Analysis

Colonial Pipeline Co.
929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/21/22 10:00
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042102

Field Sample ID: MW-8D **Matrix: Water** **Lab ID: 22042102-01**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26441
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/27/22	04/27/22 15:18	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 15:18	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 15:18	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 15:18	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH

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CALIBER ANALYTICAL SERVICES

Certificate of Analysis

Colonial Pipeline Co.
929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/21/22 10:00
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042102

Field Sample ID: MW-8D **Matrix: Water** **Lab ID: 22042102-01**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26441
o-Xylene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:18	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:18	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:18	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:18	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:18	GFH
Total Petroleum Hydrocarbons - (C10-C28) DRO						Batch:	26437
Diesel Range Organics	ND	mg/L	0.19	EPA 8015C	04/26/22	04/27/22 17:22	DBS
Total Petroleum Hydrocarbons - (C6-C10) GRO						Batch:	26440
Gasoline Range Organics	ND	mg/L	0.2	EPA 8015C	04/27/22	04/27/22 12:49	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Certificate of Analysis

Colonial Pipeline Co.
929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/21/22 10:45
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042102

Field Sample ID: MW-8S **Matrix: Water** **Lab ID: 22042102-02**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26441
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/27/22	04/27/22 15:52	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 13:18	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 13:18	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 13:18	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH

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Certificate of Analysis

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929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/21/22 10:45
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042102

Field Sample ID: MW-8S **Matrix: Water** **Lab ID: 22042102-02**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26441
o-Xylene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:52	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:52	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:52	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:52	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 15:52	GFH
Total Petroleum Hydrocarbons - (C10-C28) DRO						Batch:	26437
Diesel Range Organics	ND	mg/L	0.19	EPA 8015C	04/26/22	04/27/22 17:22	DBS
Total Petroleum Hydrocarbons - (C6-C10) GRO						Batch:	26440
Gasoline Range Organics	ND	mg/L	0.2	EPA 8015C	04/27/22	04/27/22 13:18	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Certificate of Analysis

Colonial Pipeline Co.
929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/21/22 11:35
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042102

Field Sample ID: MW-6 **Matrix: Water** **Lab ID: 22042102-03**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26441
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/27/22	04/27/22 16:26	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 16:26	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 16:26	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 16:26	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH

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929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/21/22 11:35
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042102

Field Sample ID: MW-6 **Matrix: Water** **Lab ID: 22042102-03**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26441
o-Xylene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 16:26	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 16:26	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 16:26	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 16:26	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 16:26	GFH
Total Petroleum Hydrocarbons - (C10-C28) DRO						Batch:	26437
Diesel Range Organics	ND	mg/L	0.21	EPA 8015C	04/26/22	04/27/22 18:05	DBS
Total Petroleum Hydrocarbons - (C6-C10) GRO						Batch:	26440
Gasoline Range Organics	ND	mg/L	0.2	EPA 8015C	04/27/22	04/27/22 13:46	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Date Sampled: 04/21/22 12:25
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042102

Field Sample ID: MW-13 **Matrix: Water** **Lab ID: 22042102-04**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26441
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/27/22	04/27/22 17:00	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 17:00	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 17:00	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 17:00	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH

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929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/21/22 12:25
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042102

Field Sample ID: MW-13 **Matrix: Water** **Lab ID: 22042102-04**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26441
o-Xylene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:00	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:00	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:00	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:00	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:00	GFH
Total Petroleum Hydrocarbons - (C10-C28) DRO						Batch:	26437
Diesel Range Organics	ND	mg/L	0.2	EPA 8015C	04/26/22	04/27/22 18:05	DBS
Total Petroleum Hydrocarbons - (C6-C10) GRO						Batch:	26440
Gasoline Range Organics	ND	mg/L	0.2	EPA 8015C	04/27/22	04/27/22 14:15	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Date Sampled: 04/21/22 13:05
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042102

Field Sample ID: MW-12 **Matrix: Water** **Lab ID: 22042102-05**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26441
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/27/22	04/27/22 17:33	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Benzene	**3**	ug/L	1	EPA 8260B	04/27/22	04/27/22 17:33	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 17:33	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 17:33	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH

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Date Sampled: 04/21/22 13:05
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042102

Field Sample ID: MW-12 **Matrix: Water** **Lab ID: 22042102-05**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26441
o-Xylene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:33	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:33	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:33	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:33	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 17:33	GFH
Total Petroleum Hydrocarbons - (C10-C28) DRO						Batch:	26437
Diesel Range Organics	**0.23**	mg/L	0.2	EPA 8015C	04/26/22	04/27/22 18:45	DBS
Total Petroleum Hydrocarbons - (C6-C10) GRO						Batch:	26440
Gasoline Range Organics	ND	mg/L	0.2	EPA 8015C	04/27/22	04/27/22 14:43	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

8851 Orchard Tree Lane | Towson, Maryland 21286 | tel: 410.825.1151 | fax: 410.825.2126 | www.caslabs.net

Certificate of Analysis

Colonial Pipeline Co.
929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/21/22
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042102

Field Sample ID: TB-02 **Matrix: Water** **Lab ID: 22042102-06**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26441
Dichlorodifluoromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Chloromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Vinyl chloride	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Bromomethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Chloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
1,1-Dichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Acetone	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Carbon disulfide	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Methyl acetate	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Methylene chloride	ND	ug/L	10	EPA 8260B	04/27/22	04/27/22 18:07	GFH
trans-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Methyl t-butyl ether (MTBE)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
1,1-Dichloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
cis-1,2-Dichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
2-Butanone (MEK)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Chloroform	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
1,1,1-Trichloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Cyclohexane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Carbon tetrachloride	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Benzene	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 18:07	GFH
1,2-Dichloroethane (EDC)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Trichloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Methylcyclohexane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
1,2-Dichloropropane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Bromodichloromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
cis-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Toluene	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 18:07	GFH
trans-1,3-Dichloropropene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
1,1,2-Trichloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Tetrachloroethene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
2-Hexanone (MBK)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Dibromochloromethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
1,2-Dibromoethane (EDB)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Chlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Ethylbenzene	ND	ug/L	1	EPA 8260B	04/27/22	04/27/22 18:07	GFH
m&p-Xylene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH

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CALIBER ANALYTICAL SERVICES

Certificate of Analysis

Colonial Pipeline Co.
929 Hoods Mill Rd.
Woodbine, MD 21797

Date Sampled: 04/21/22
Date Received: 04/21/22 14:09
Date Issued: 04/28/22

Project: Bel Air Station
Site Location: Fallston, MD
Project Number: 486077

SDG Number: 22042102

Field Sample ID: TB-02 **Matrix: Water** **Lab ID: 22042102-06**

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
Target Compound List - VOLATILES						Batch:	26441
o-Xylene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Styrene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Bromoform	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Isopropylbenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
1,1,2,2-Tetrachloroethane	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
1,3,5-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
1,2,4-Trimethylbenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
1,3-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
1,4-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
1,2-Dichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
1,2,4-Trichlorobenzene	ND	ug/L	5	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Naphthalene	ND	ug/L	10	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Ethyl t-butyl ether (ETBE)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 18:07	GFH
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 18:07	GFH
Diisopropyl ether (DIPE)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 18:07	GFH
tert-Amyl methyl ether (TAME)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 18:07	GFH
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 18:07	GFH
tert-Amyl ethyl ether (TAEE)	ND	ug/L	25	EPA 8260B	04/27/22	04/27/22 18:07	GFH

Notes/Qualifiers:
LLQ- Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist

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Chain of Custody Record

550416

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

SDG

TAL-8210

Client Contact	Project Manager: MATT WYANT	Site Contact:	Date: 4.21.22	COC No: 22042102
Company Name: COLONIAL PIPELINE	Tel/Email: MWYANT@COLPIPE.COM	Lab Contact:	Carrier:	_____ of _____ COCs
Address:	Analysis Turnaround Time			Sampler: NATHAN MARTIN
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (240)-204-1158	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: CPC BEL-AIR	☐ 1 week			
Site: BEL-AIR : FALLSTON MD	☐ 2 days			Job / SDG No.:
PO# 486077	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	8015 DRO	8015 GRO	VOCs 8260 with NAPHTHALENE + FUEL OXYGENATES	Sample Specific Notes:
MW-8D	4.21.22	1000	G	GW	4	N	N	X	X	X	
MW-8S	4.21.22	1045	G	GW	4	N	N	X	X	X	
MW-4	4.21.22	1135	G	GW	4	N	N	X	X	X	
MW-13	4.21.22	1225	G	GW	4	N	N	X	X	X	
MW-12	4.21.22	1305	G	GW	4	N	N	X	X	X	
TB-01	4.21.22	-	-	W	2	N	N				

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
JASPER BRINKMANN	TRC	4.21.22 1404		CHAS	4/21/2022 1408
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

CALIBER ANALYTICAL SERVICES

VOLATILES

SYSTEM MONITORING COMPOUND RECOVERY (SURROGATES)

METHOD: EPA 8260B **LAB CODE:** SURR

MATRIX: WATER **BATCH NUMBER:** 26441

Sample ID	Date/Time Analyzed	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
MW-8D / 22042102-01	4/27/2022 3:18:00 PM	96	93	97
MW-8S / 22042102-02	4/27/2022 3:52:00 PM	95	95	97
MW-6 / 22042102-03	4/27/2022 4:26:00 PM	94	93	100
MW-13 / 22042102-04	4/27/2022 5:00:00 PM	96	97	98
MW-12 / 22042102-05	4/27/2022 5:33:00 PM	95	98	98
TB-02 / 22042102-06	4/27/2022 6:07:00 PM	90	100	99
	Upper Limit	115	120	115
	Lower Limit	85	80	85

* - Indicates values outside of QC control limits.

CALIBER ANALYTICAL SERVICES

VOLATILES
LABORATORY CONTROL SAMPLE SUMMARY

METHOD: EPA 8260B
BATCH NUMBER: 26441
MATRIX: WATER
INSTRUMENT: VOC1

SAMPLE ID: LCS
DATE ANALYZED: 4/27/2022 2:10:00 PM
LAB FILE IDs: 02.D

SAMPLE SPIKE COMPOUND	SPIKE ADDED (ppb)	SAMPLE CONC (ppb)	SPIKE CONC (ppb)	SPIKE REC (%)	QC LIMITS (%)
1,1-DICHLOROETHENE	25	NA	25.0	100	63 - 142
BENZENE	25	NA	23.9	96	65 - 133
CARBON TETRACHLORIDE	25	NA	29.8	119	74 - 135
CHLOROBENZENE	25	NA	24.3	97	65 - 118
CHLOROFORM	25	NA	22.6	90	60 - 144
M&P-XYLENE	50	NA	51.3	103	62 - 129
METHYL T-BUTYL ETHER (MTBE)	25	NA	23.6	94	77 - 143
TETRACHLOROETHENE	25	NA	27.9	111	60 - 121
TOLUENE	25	NA	24.4	98	67 - 131
TRICHLOROETHENE	25	NA	26.0	104	60 - 121
VINYL CHLORIDE	25	NA	24.9	100	69 - 129

* - Indicates values outside of QC control limits.

Calculations:

$$\%\text{Recovery} = \left[\frac{(\textit{Spike Conc.-Sample Conc.})}{\textit{Spike Added}}\right] * 100$$

$$\text{Relative Percent Difference (RPD)} = \left|\frac{(\textit{Spike Dup Conc.-Spike Conc.})}{\left(\frac{(\textit{Spike Dup Conc.} + \textit{Spike Conc.})}{2}\right)}\right| * 100$$

CALIBER ANALYTICAL SERVICES

METHOD BLANK RESULTS

Analysis: Volatiles
Matrix: Water
Batch ID: 26441
Batch Date: 4/27/2022

	Result	Unit	Method	LLQ	Date / Time Analyzed
Dichlorodifluoromethane	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
Chloromethane	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
VINYL CHLORIDE	ND	ug/L	EPA 8260B	1.0	04/27/22 14:44
Bromomethane	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
Chloroethane	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
Trichlorofluoromethane	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
1,1-DICHLOROETHENE	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
1,1,2-Trichlorotrifluoroethane	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
Acetone	ND	ug/L	EPA 8260B	25.0	04/27/22 14:44
Carbon disulfide	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
Methyl acetate	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
Methylene chloride	ND	ug/L	EPA 8260B	10.0	04/27/22 14:44
trans-1,2-Dichloroethene	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
Methyl t-butyl ether (MTBE)	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
1,1-Dichloroethane	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
cis-1,2-Dichloroethene	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
2-Butanone (MEK)	ND	ug/L	EPA 8260B	25.0	04/27/22 14:44
CHLOROFORM	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
1,1,1-Trichloroethane	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
Cyclohexane	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
Carbon tetrachloride	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
Benzene	ND	ug/L	EPA 8260B	1.0	04/27/22 14:44
1,2-Dichloroethane (EDC)	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
Trichloroethene	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
Methylcyclohexane	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
1,2-DICHLOROPROPANE	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
Bromodichloromethane	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
cis-1,3-Dichloropropene	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
4-Methyl-2-pentanone (MIBK)	ND	ug/L	EPA 8260B	25.0	04/27/22 14:44
TOLUENE	ND	ug/L	EPA 8260B	1.0	04/27/22 14:44
trans-1,3-Dichloropropene	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
1,1,2-Trichloroethane	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
Tetrachloroethene	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
2-Hexanone (MBK)	ND	ug/L	EPA 8260B	25.0	04/27/22 14:44
Dibromochloromethane	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
1,2-Dibromoethane (EDB)	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
CHLOROBENZENE	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
ETHYLBENZENE	ND	ug/L	EPA 8260B	1.0	04/27/22 14:44

CALIBER ANALYTICAL SERVICES

METHOD BLANK RESULTS

Analysis: Volatiles
Matrix: Water
Batch ID: 26441
Batch Date: 4/27/2022

	Result	Unit	Method	LLQ	Date / Time Analyzed
m&p-Xylene	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
o-Xylene	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
Styrene	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
Bromoform	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
Isopropylbenzene	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
1,1,2,2-Tetrachloroethane	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
1,3,5-Trimethylbenzene	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
1,2,4-Trimethylbenzene	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
1,3-Dichlorobenzene	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
1,4-Dichlorobenzene	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
1,2-Dichlorobenzene	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
1,2,4-Trichlorobenzene	ND	ug/L	EPA 8260B	5.0	04/27/22 14:44
Naphthalene	ND	ug/L	EPA 8260B	10.0	04/27/22 14:44
Ethyl t-butyl ether (ETBE)	ND	ug/L	EPA 8260B	25.0	04/27/22 14:44
tert-Butanol (TBA)	ND	ug/L	EPA 8260B	25.0	04/27/22 14:44
Diisopropyl ether (DIPE)	ND	ug/L	EPA 8260B	25.0	04/27/22 14:44
tert-Amyl methyl ether (TAME)	ND	ug/L	EPA 8260B	25.0	04/27/22 14:44
tert-Amyl alcohol (TAA)	ND	ug/L	EPA 8260B	25.0	04/27/22 14:44
tert-Amyl ethyl ether (TAEE)	ND	ug/L	EPA 8260B	25.0	04/27/22 14:44

Notes/Comments:
LLQ - Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

CALIBER ANALYTICAL SERVICES

GRO

SYSTEM MONITORING COMPOUND RECOVERY (SURROGATES)

METHOD:	**EPA 8015C**	**LAB CODE:**	**SURR**
MATRIX:	**WATER**	**BATCH NUMBER:**	**26440**

Sample ID	Date/Time Analyzed	TFT
MW-8D / 22042102-01	4/27/2022 12:49:00 PM	89
MW-8S / 22042102-02	4/27/2022 1:18:00 PM	95
MW-6 / 22042102-03	4/27/2022 1:46:00 PM	99
MW-13 / 22042102-04	4/27/2022 2:15:00 PM	100
MW-12 / 22042102-05	4/27/2022 2:43:00 PM	89

Upper Limit	124
Lower Limit	49

* - Indicates values outside of QC control limits.

CALIBER ANALYTICAL SERVICES

GRO
LABORATORY CONTROL SAMPLE SUMMARY

METHOD: EPA 8015C
BATCH NUMBER: 26440
MATRIX: WATER
INSTRUMENT: VOC-PID/FID

SAMPLE ID: LCS
DATE ANALYZED: 4/27/2022 11:52:00 AM
LAB FILE IDs: 03.D

SAMPLE SPIKE COMPOUND	SPIKE ADDED (ppb)	SAMPLE CONC (ppb)	SPIKE CONC (ppb)	SPIKE REC (%)	QC LIMITS (%)
GASOLINE RANGE ORGANICS	5500	NA	5064.1	92	75 - 125

* - Indicates values outside of QC control limits.

Calculations:

$$\%\text{Recovery} = \left[\frac{(\textit{Spike Conc.-Sample Conc.})}{\textit{Spike Added}}\right] * 100$$

$$\text{Relative Percent Difference (RPD)} = \left|\frac{(\textit{Spike Dup Conc.-Spike Conc.})}{\left(\frac{(\textit{Spike Dup Conc.} + \textit{Spike Conc.})}{2}\right)}\right| * 100$$

CALIBER ANALYTICAL SERVICES

METHOD BLANK RESULTS

Analysis: GRO
Matrix: Water
Batch ID: 26440
Batch Date: 4/27/2022

	Result	Unit	Method	LLQ	Date / Time Analyzed
Gasoline Range Organics	ND	mg/L	EPA 8015C	0.2	04/27/22 12:21

Notes/Comments:
LLQ - Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.

CALIBER ANALYTICAL SERVICES

DRO

SYSTEM MONITORING COMPOUND RECOVERY
(SURROGATES)

METHOD:	**EPA 8015C**	**LAB CODE:**	**SURR**
MATRIX:	**WATER**	**BATCH NUMBER:**	**26437**

Sample ID	Date/Time Analyzed	o-Terphenyl
MW-8D / 22042102-01	4/27/2022 5:22:00 PM	76
MW-8S / 22042102-02	4/27/2022 5:22:00 PM	63
MW-6 / 22042102-03	4/27/2022 6:05:00 PM	109
MW-13 / 22042102-04	4/27/2022 6:05:00 PM	80
MW-12 / 22042102-05	4/27/2022 6:45:00 PM	113

Upper Limit	130
Lower Limit	52

* - Indicates values outside of QC control limits.

CALIBER ANALYTICAL SERVICES

DRO
LABORATORY CONTROL SAMPLE SUMMARY

METHOD: EPA 8015C
BATCH NUMBER: 26437
MATRIX: WATER
INSTRUMENT: DRO1

SAMPLE ID: LCS
DATE ANALYZED: 4/27/2022 12:11:00 PM
LAB FILE IDs: 04.D

SAMPLE SPIKE COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONC (mg/L)	SPIKE CONC (mg/L)	SPIKE REC (%)	QC LIMITS (%)
DIESEL RANGE ORGANICS	510	NA	517.5	101	60 - 120

* - Indicates values outside of QC control limits.

Calculations:

$$\%\text{Recovery} = \left[\frac{(\textit{Spike Conc.-Sample Conc.})}{\textit{Spike Added}}\right] * 100$$

$$\text{Relative Percent Difference (RPD)} = \left|\frac{(\textit{Spike Dup Conc.-Spike Conc.})}{\left(\frac{(\textit{Spike Dup Conc.} + \textit{Spike Conc.})}{2}\right)}\right| * 100$$

CALIBER ANALYTICAL SERVICES

METHOD BLANK RESULTS

Analysis: DRO
Matrix: Water
Batch ID: 26437
Batch Date: 4/26/2022

	Result	Unit	Method	LLQ	Date / Time Analyzed
Diesel Range Organics	ND	mg/L	EPA 8015C	0.2	04/27/22 12:11

Notes/Comments:
LLQ - Lowest Level of Quantitation
ND - Not Detected at a concentration greater than or equal to the LLQ.