COKE OVEN INTERIM MEASURES
2020 PROGRESS REPORT

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SPARROWS POINT, MARYLAND

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EXECUTIVE SUMMARY

This Coke Oven Interim Measures 2020 Progress Report for groundwater remediation at the Tradepoint Atlantic property has been prepared by ARM Group LLC (ARM) on behalf of Tradepoint Atlantic. This report presents the operational information for the remediation systems installed as interim measures (IM) and laboratory analytical data for groundwater samples collected from site monitoring wells through 2020. Assessment of the effectiveness of the remediation systems at addressing the environmental impact to the former Coke Oven (CO) Special Study Area (the Site) is offered herein. This report also summarizes IM remediation system performance and is submitted in accordance with reporting requirements outlined in correspondence received from the United States Environmental Protection Agency (USEPA) on March 26, 2013, November 14 and 16, 2017, and subsequent communications.

CELL 1

The air sparge/soil vapor extraction (AS/SVE) system in the Former Benzol Processing Area (Cell 1) was operated continuously from January through July 2020, and intermittently on a Monday-Wednesday-Friday "pulsing" schedule from August through December 2020 to optimize hydrocarbon recovery based on observations of asymptotic recovery rates when otherwise operated continuously. The Cell 1 AS/SVE system removed approximately 885 pounds of hydrocarbons from the shallow groundwater zone during 2020, compared to 1,326 pounds during 2019. The volatile organic compound (VOC) concentrations reported for groundwater samples collected from monitoring wells CO02-PZM006, CO18-PZM006, and CO93-PZM exhibited trends that were consistent with prior data. A slight increase in VOCs was observed in CO18-PZM006 during the three-year period.

CELL 2

Cell 2 includes an AS/SVE system originally constructed to address shallow zone groundwater impact, and a groundwater pump and treat (GWPT) system to address intermediate zone groundwater impact. The AS/SVE ceased operation in early 2019 and has not operated since because the horizontal SVE trench is constructed deeper than the very shallow groundwater conditions that have prevailed during the past two years (e.g., the SVE extraction pipe is submerged under the groundwater surface). The GWPT system operated for the majority of 2020 (minus some periods of system downtime as a result of required repairs and the installation of new reinjection wells) and resulted in the recovery of about 6,690 pounds of VOCs from the Cell 2 intermediate groundwater zone, compared to approximately 5,800 pounds removed during 2019. Six new groundwater reinjection wells were installed in February 2020 in response to the original reinjection well network showing a decreased ability to accept discharged water from the GWPT system by the end of 2019 (e.g., the reinjection wells became overtly plugged, even after attempted re-development). Over the six-plus years of groundwater monitoring, VOC concentrations in

groundwater samples collected from shallow zone monitoring wells have decreased by one-half to over two orders of magnitude; the most prominent in CO42-PZM004 and CO39-PZM007. Since mid-2017, VOC concentrations appear to be increasing in shallow zone well CO40-PZM008. During the same six-plus year period of monitoring, VOC concentrations in groundwater samples collected from intermediate zone monitoring wells have decreased less than one-half order of magnitude to over four orders of magnitude; the most prominent in CO38-PZM043. VOC concentrations in CO36-PZM043 and CO37-PZM038 have not changed appreciably during the past three-plus years.

CELL 3

Cell 3 interim remedial measures are based on the operation of an AS/SVE system using a line of equally-spaced groundwater sparging wells and a shallow, elongated SVE trench. The system was originally designed to address shallow zone groundwater impacts. The AS/SVE system operated for approximately 5,806 hours during 2020 and removed about 236 pounds of hydrocarbons, compared 4,800 hours of operation and removal of 30 pounds of hydrocarbons in 2019. During the past ten years of groundwater quality monitoring, VOC concentrations in samples collected from local groundwater monitoring wells have shown mixed results. VOC concentrations in CO30-PZM015 CO102-PZM have not changed appreciably for the past six-plus years, whereas VOC concentrations have reduced by one to two orders of magnitude in CO101-PZM, CO103-PZM and CO104-PZM, the most prominent reduction(s) in the latter two wells.

The AS/SVE system operated continuously from January through July 2020 and intermittently on a Monday-Wednesday-Friday "pulsing" schedule from August through December 2020 to maximize hydrocarbon recovery. Further, for most of the 2020 operational period, sparging and soil vapor extraction energy has been focused on the eastern-half of the 600 feet long AS/SVE line, where groundwater VOC concentrations tend to be higher (compared to the western-half of the study area).

CELL 5

Cell 5 interim measures remedial efforts include the use of a dual-phase extraction (DPE) system to recover VOC-impacted groundwater, and the use of petroleum-differentiating pumps to recover dense non-aqueous phase liquid (DNAPL) from shallow zone groundwater in the Turning Basin side of the former Coke Oven Area. The DPE and DNAPL recovery systems were operated for the majority of 2020 and removed and estimated 2,409 pounds of hydrocarbons from the Cell 5 area. About 3,762 pounds were removed by the same systems in 2018, and 3,400 pounds were removed in 2019. The DNAPL recovery has represented the majority of the mass removed throughout the system's operation history. In 2020 the DNAPL recovery system removed 172 gallons (1,651 pounds) of DNAPL. However, the DPE system has removed about 211 pounds in 2018, 234 pounds in 2019 and 379 pounds in 2020. The over-60 percent increase in recovery rates from 2019 to 2020 is a result of more efficient operation of the DPE system including less

downtime during 2020. The DNAPL recovery pumps are normally operated when ambient temperatures are warm enough to allow the highly viscous DNAPL to flow through small-diameter pump tubing.

CELL 6

Cell 6 interim measures remediation includes the operation of a light non-aqueous phase liquid (LNAPL) MPE system at the Former Benzol Processing Area, and operation of a petroleum-selective skimming pump in well CO173. During 2020, an estimated 5,762 gallons (42,224 pounds) of LNAPL was removed, compared to approximately 2,182 gallons (16,000 pounds) removed in 2019. Since mid-2010, an estimated 27,988 gallons (205,096 pounds) have been removed.

By the end of 2019, the original reinjection wells had become decreasingly efficient to be used for discharge of generated water from the MPE system. Replacement reinjection wells were constructed and began operation in February 2020. Deterioration of the former reinjection wells is believed to have resulted from fine-grained sediment intrusion into the screened sections of the wells the point that the screened intervals were essentially closed by densely-compacted debris. Cell 6 MPE is performed during non-winter months, while product skimming is performed year-round. The majority of LNAPL product recovered during 2020 was removed with product skimming from well CO173. The recovery rate in well CO173 will be monitored and will be evaluated to determine if additional measures may be warranted north of the current Cell 6 boundaries. The LNAPL monitoring and recovery well network will continue to be gauged throughout 2021 to document LNAPL accumulations and relation to groundwater fluctuations, as well as identify what specific portions of the well network may have larger volumes of recoverable LNAPL.

CORRECTIVE MEASURES STUDY

The IMs will continue to operate during the Corrective Measures Study that is being conducted to evaluate remedial alternatives and develop a recommended final remedy for groundwater pursuant to *Coke Point Area Groundwater Corrective Measures Study Work Plan* (Revision 1, January 15, 2021). Because an extended and detailed historical database has been generated for VOC concentrations and respective groundwater elevations in monitoring wells throughout the COA, a revised groundwater monitoring program to assess the progress of the IMs and to assess trends in the groundwater conditions in the overall COA has been proposed in the *Coke Oven Area Monitoring Network Update Letter* (Revision 0 dated January 18, 2021).

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1.0 INTRODUCTION

This Coke Oven Interim Measures 2020 Progress Report for groundwater remediation at the Tradepoint Atlantic property has been prepared by ARM Group LLC (ARM) on behalf of Tradepoint Atlantic. This report presents the operational information for the remediation systems installed as interim measures (IM) and laboratory analytical data for groundwater samples collected from site monitoring wells through 2020. Assessment of the effectiveness of the remediation systems at addressing the environmental impact to the former Coke Oven (CO) Special Study Area (the Site) is offered herein. This report also summarizes IM remediation system performance and is submitted in accordance with reporting requirements outlined in correspondence received from the United States Environmental Protection Agency (USEPA) on March 26, 2013, November 14 and 16, 2017, and subsequent communications.

1.1. TRADEPOINT ATLANTIC SITE BACKGROUND

The Tradepoint Atlantic property is located in Baltimore County, Maryland at the southeastern corner of the Baltimore metropolitan area, approximately nine miles from the downtown Baltimore City. The location and extent of the property is presented on **Figure 1.** The property encompasses approximately 3,100 acres located on a peninsula situated on the Patapsco River near its confluence with the Chesapeake Bay, physically positioned in the mouth of the heavily industrialized and urbanized Baltimore Harbor and Patapsco River region. A land connection to the northeast links the peninsula with the adjacent community of Edgemere.

From the late 1800s until 2012, the property was used for the production and manufacturing of steel. Iron and steel production operations and processes at the Tradepoint Atlantic property included raw material handling, coke production, sinter production, iron production, steel production, and semi-finished and finished product preparation. In 1970, Sparrows Point was the largest steel facility in the United States, producing hot and cold rolled sheets, coated materials, pipes, plates, and rod and wire. The steelmaking operations at the facility ceased in 2012, and current plans for the Site include continued demolition and redevelopment over the next several years. Some portions of the Tradepoint Atlantic property have already undergone remediation and/or redevelopment.

1.2. COKE OVEN AREA

The IM remediation systems currently in operation at the Coke Oven Area (COA) are located within five distinct smaller areas designated as Cells 1, 2, 3, 5, and 6. Below is a list of the cells, the name of the area they cover, and the active IM remediation system(s) currently in place:

- Cell 1 (former Benzol Processing Area): AS/SVE system;
- Cell 2 (former Coal Basin Area): AS/SVE system formerly operated in the shallow groundwater zone and a GWPT system currently operated in the intermediate zone;

- Cell 3 (Cove Area): AS/SVE system;
- Cell 5 (Turning Basin side of former Coke Oven Area): DPE system and a DNAPL recovery system operated in the shallow zone; and
- Cell 6 (former Benzol Processing Area): MPE system and a pneumatic skimmer pump operated in well CO173 to recover LNAPL.

The locations of the cells are presented on **Figure 2.** This IM progress report provides the following for each cell: a brief description of the active IM remediation systems; notable operations & maintenance (O&M) activities performed during 2020; a discussion of system operational information and monitoring well laboratory analytical data from 2020, an evaluation of the effectiveness of the IM remediation systems, and recommendations for continued operation in the current system configurations or system modifications to improve remediation system effectiveness.

2.0 CELL 1

2.1. DESCRIPTION

The Cell 1 IM consists of an AS/SVE system to remove dissolved phase VOCs from shallow groundwater with treatment of the extracted soil vapor by vapor-phase granular activated carbon (VGAC). The AS system "sparges" compressed air into the subsurface to strip VOCs off the groundwater which are then extracted in soil vapor from the vadose zone under vacuum by the SVE system and forced through the VGAC vessels to capture VOCs from the extracted airstream. **Figure C1-1** presents the layout of the Cell 1 AS/SVE system and the locations of the major system components, including the AS and SVE wells, the SVE trenches, and groundwater monitoring wells.

2.2. OPERATIONS

Operational performance of the AS/SVE system during 2020 is summarized in **Table C1-1**. The system was operated continuously from January through July 2020, and intermittently on a Monday-Wednesday-Friday "pulsing" schedule from August through December. The change in operational schedule was deployed to enhance hydrocarbon recovery after review of first and second quarter 2020 recovery rates and the observations of diminishing and shorter durations of high hydrocarbon recovery returns on system start-up after switching over to operating the system in the northern portion of the AS/SVE well field where the majority of the underlying VOC mass is believed to be located. During the first three quarters of 2020, the area targeted by the AS/SVE system was switched between the northern and southern portions of the AS/SVE wellfield with a duration of approximately three weeks of operational time in the northern portion and approximately one week of operational time in the southern portion. During the fourth quarter of 2020 the AS/SVE system was operated only in the northern portion of the wellfield to focus AS/SVE energy where the majority of the underlying VOC mass is believed to be located. During the third quarter the system operated for approximately 860 hours and destroyed approximately 5.95 pounds of hydrocarbons, but destroyed approximately 30.9 pounds of hydrocarbons in the fourth quarter despite being operated for approximately 225 hours. The system operated for 55% of the year, about 4,819 hours, with minor periods of system downtime. System downtime occurred for various reasons including power loss due to faulty overhead electric lines, intentional shut-down for minor repairs, preventative maintenance, and the shift from continuous operation to a "pulsing" schedule. The majority of system downtime occurred in the third and fourth quarters of 2020 after switching to the "pulsing" schedule (e.g., the system was not operated four of seven days per week). The average hydrocarbon recovery rate is estimated at 0.151 pounds per operating hour but is observed to decrease over continued, long-term AS/SVE system operation. **Table C1-1** also includes a cumulative summary of operational performance since system start-up in August 2010. Cumulatively, the Cell 1 AS/SVE system has recovered approximately 16,180 pounds of hydrocarbons, presented graphically on **Figure C1-2**.

Monthly influent soil vapor system air samples were collected to assess system VOC recovery and quarterly groundwater samples were collected from three monitoring wells to monitor the dissolved-phase VOC impact to the groundwater underlying Cell 1. Quarterly groundwater samples were collected from the following monitoring wells:

- CO93-PZM (former BP-MW-09, up-gradient of Cell 1),
- CO18-PZM006 (up-gradient of Cell 1 at edge of berm), and
- CO02-PZM006 (down-gradient of Cell 1).

The monthly influent soil vapor system air samples and quarterly groundwater samples were submitted to Pace Analytical Services, Inc. for laboratory analysis of VOCs per EPA Method 8260.

2.3. MONITORING WELL RESULTS

Laboratory analytical results for monthly influent soil vapor system air samples (e.g., before treatment) collected in 2020 are presented in **Table C1-2.** Laboratory analytical results for the quarterly groundwater samples collected in 2020 are presented in **Table C1-3.** A time-series graph of VOC concentrations in groundwater samples collected from Cell 1 monitoring wells is included as **Figure C1-3.** Monitoring well sampling purge logs are included in **Appendix A**. Laboratory analytical reports containing the analytical data for all monthly system vapor and quarterly groundwater samples collected in 2020 are included in **Appendix B.**

2.4. EVALUATION OF EFFECTIVENESS

Based on the system recovery data from 2020 and as shown on **Figure C1-2**, the Cell 1 AS/SVE system continues to recover volatile hydrocarbons (VOCs) from the subsurface. The AS/SVE system at Cell 1 recovered approximately 885 pounds of VOCs during 2020, compared to 1,326 pounds during 2019. As presented on **Figure C1-3,** the VOC concentrations reported for groundwater samples collected from monitoring wells CO02-PZM006, CO18-PZM006, and CO93-PZM exhibited relatively stable trends through 2020, and have been otherwise stable for three years, with a slight increase in VOCs in CO18-PZM006 during the three-year period.

2.5. SUMMARY AND RECOMMENDATIONS

The AS/SVE system in Cell 1 was operated continually through July 2020 and on an every-other day pulsed schedule for the latter part of 2020 and recovered approximately 885 pounds of VOCs, with the majority of the mass recovered during the second quarter while alternating the active AS/SVE wells between the northern and southern portions of the wellfield. Cell 1 AS/SVE system operations will continue to be operated on the intermittent "pulsing" schedule, and will be evaluated to determine what system modifications are needed to optimize hydrocarbon recovery rates, and/or identify alternative methods that may be warranted.

3.0 CELL 2

3.1. DESCRIPTION

The IM system at Cell 2 consists of a GWPT system for the recovery of VOC-impacted groundwater from the intermediate zone. The system began operation in October 2014. Previously, Cell 2 IM remediation efforts included the operation of an AS/SVE system designed to address shallow zone VOC impacts. The AS/SVE ceased operation in early 2019 and has not operated since because the horizontal SVE trench is constructed deeper than the very shallow groundwater conditions that have prevailed during the past two years (e.g., the SVE extraction pipe is submerged under the groundwater surface). **Figure C2-1** presents the system layout of Cell 2 including locations of intermediate zone groundwater recovery wells coupled to shallow zone reinjection wells, the formerly-used shallow zone AS wells and SVE recovery trench, and groundwater monitoring well locations.

3.1.1. AS/SVE System

The AS/SVE system was designed to address VOC-impacted groundwater in the shallow zone. The system used conventional, vertically-constructed AS wells connected to an oilless rotary vane compressor, and a 500 feet long horizontally-constructed SVE recovery trench. Extracted soil vapors were originally treated through a Catalytic Oxidizer (CatOx), and later through vapor-phase activated carbon filters. Because of very shallow groundwater conditions since early 2019, the SVE trench is submerged and cannot be used to extract soil vapor from the vadose zone.

3.1.2. GWPT System

Because of increasingly slower capacities of the original six reinjection wells through 2019, they were replaced in kind with newly constructed wells in February 2020. Otherwise, the intermediate zone GWPT system includes the following.

Recovery wells:

- Six 4-inch diameter wells installed approximately 83 feet apart along a 500 feet long line.
- Screened from approximately 35 to 50 feet below ground surface (bgs) with 0.020” slotted screen.
- Each of the six wells are equipped with a submersible pump set with intake at about 5 to 8 feet above the bottom of the well.

Reinjection wells:

- Six 6-inch diameter wells installed approximately 50 to 65 feet apart along a 260 feet lone line located about 475 feet hydraulically upgradient from the recovery wells.

- Screened from approximately 10 to 20 feet bgs with a 5 foot long sump from 20 to 25 feet bgs to promote capture of fine-grained sediment.

Treatment:

- Recovered groundwater is processed through an equalization tank with automated, end-suction, centrifugal pump into a low-profile, stacked-tray air stripper operated with a 600 cubic feet per minute (cfm) air exhauster fan.
- Air stripper off-gas is treated through a similarly-sized, 600 cfm capacity CatOx.
- Processed groundwater from the air stripper sump is pumped to a second equalization tank equipped with an automated, high-head, end-suction discharge pump. The latter pump forwards processed water to the six reinjection wells.

3.2. OPERATION

3.2.1. AS/SVE System

The AS/SVE system has not been operated since early 2019 because of very shallow groundwater conditions that have submerged the SVE recovery trench. The local groundwater conditions will continue to be monitored to determine if AS/SVE system operation can resume.

3.2.2. GWPT System

The GWPT system was operated throughout 2020 with minor periods of downtime. The longest downtime (about one month) occurred in response to significant decrease in reinjection well capacities and replacement of the wells. The former reinjection wells were abandoned by a Maryland-licensed well driller, and six new replacement reinjection wells were constructed, and reconnected to the underground discharge header. A second two-week downtime period occurred when the cleanout entry/riser pipes to the underground recovery and discharge pipes were erroneously damaged by vehicular traffic. A third one-week downtime period occurred because of a failed circuit breaker for the discharge pump.

The GWPT system recovered and treated approximately 2.9 million gallons of dissolved-phase VOC-impacted groundwater from recovery wells CO46-PZM047 (EW-4) and CO47-PZM046 (EW-5) during 2020, as compared to the approximately 2.2 million gallons recovered and treated during 2019 (**Table C2-3**). The submersible pumps in these two recovery wells are operated continuously to focus recovery efforts in the area with the highest dissolved-phase benzene concentrations. The quarterly volumes of groundwater treated and discharged by the GWPT system are presented on **Table C2-3**, along with the average quarterly and total annual hydrocarbon concentrations and removal masses.

The quarterly hydrocarbon recovery masses for the Cell 2 GWPT system during 2020 are summarized in **Table C2-3** and the cumulative recovery mass since GWPT system start-up is presented graphically on **Figure C2-2**.

3.3. MONITORING WELL RESULTS

Quarterly groundwater samples were collected from the monitoring wells listed below to monitor the dissolved-phase VOC concentrations in the shallow and intermediate groundwater zones underlying Cell 2. Groundwater samples were collected from the following monitoring wells:

Shallow Zone:	Intermediate Zone:
CO27-PZM012	CO27-PZM046
CO36-PZM008	CO36-PZM043
CO38-PZM006	CO37-PZM038
CO39-PZM007	CO38-PZM043
CO40-PZM008	CO39-PZM042
CO41-PZM001	CO41-PZM036
CO42-PZM004	

Prior to sampling each monitoring well, groundwater gauging was performed to measure the depth to water and calculate respective groundwater elevations. The resulting groundwater elevations were used to create groundwater contour maps for both the shallow and intermediate zones. These groundwater contour maps aid in assessing the effectiveness of hydraulic controls of the intermediate groundwater zone by the GWPT system. The groundwater gauging data and corrected groundwater elevations are summarized in **Table C2-2.** Groundwater elevation contour maps for each quarter for shallow zone groundwater are included as **Figures C2-3 to C2-6**. Groundwater elevation contour maps for each quarter for intermediate zone groundwater are included as **Figures C2-7 to C2-10**.

Quarterly groundwater samples were submitted to Pace Analytical Services, Inc. for laboratory analysis of VOCs per EPA Method 8260. Monitoring well sampling purge logs are included in **Appendix A**. Laboratory analytical reports containing the analytical data for all quarterly groundwater samples collected in 2020 are included in **Appendix B**. **Table C2-4** provides a summary of the laboratory analytical results. **Figures C2-11 through C2-14** provide illustrations of the distribution of benzene concentrations in the shallow zone groundwater monitoring wells. **Figures C2-15 through C2-18** provide depictions of benzene concentrations in the intermediate zone groundwater monitoring wells. A VOC concentration vs. time graph for shallow zone monitoring wells is presented on **Figure C2-19**. Similarly, a VOC vs. time graph for intermediate zone monitoring wells is presented on **Figure C2-20**.

The groundwater flow direction in the shallow zone, enhanced by the discharge activities into the reinjection wells, is towards the west-northwest as presented on **Figures C2-3 to C2-6.** As presented on **Figures C2-7** to **C2-10**, the groundwater flow direction in the intermediate zone is

to the north (towards the groundwater recovery wells) with as much as 1.5 to 3-plus feet of gradient between upgradient wells and monitoring wells located proximate to pumping wells,

3.4. EVALUATION OF EFFECTIVENESS

Based on the system monitoring data from 2020, the Cell 2 GWPT system continues to recover VOC-impacted groundwater from the intermediate zone with up to about 3 feet of gradient between upgradient wells and local pumping centers. The GWPT system recovered about 6,690 pounds of hydrocarbons in 2020, compared to 5,800 pounds recovered during 2019. The AS/SVE system remained offline during 2020.

As shown on **Figure C2-19**, VOC concentrations in the shallow groundwater zone are decreasing with time with about half order of magnitude decreases observed in CO27-PZM-012, CO36-PZM008 and CO38-PZM006, order of magnitude decreases in CO39-PZM007, CO40-PZM008 and CO42-PZM004, and over four orders of magnitude decrease in CO41-PZM001. VOC concentrations in CO36-PZM008 and more so in CO40-PZM008 appear to be increasing since early 2019. Given the concentrations of VOCs in the shallow interval observed over the last several years, the discontinuation of AS/SVE system operation does not appear to have an influence on the area's groundwater VOC concentrations.

As presented on **Figure C2-20**, VOC concentrations in the intermediate zone are half to over four orders of magnitude lower than when monitoring began, with the most prominent decreases observed in CO27-PZM046 and CO27-PZM046. VOC concentrations in CO41-PZM036, CO36-PZM043 and CO37-PZM038 have not changed appreciably since about third quarter 2017.

3.5. SUMMARY AND RECOMMENDATIONS

Cell 2, located in the Former Coal Basin Area of the Site, includes a GWPT system for the recovery of VOC-impacted groundwater the intermediate zone, and a formerly-operated AS/SVE system designed to address VOCs in the shallow zone groundwater. The AS/SVE system has not operated since early 2019 because of shallow groundwater flooding of the SVE trench.

Recovery of VOC-impacted groundwater and hydrocarbon recovery increased in 2020, and VOC concentrations in the intermediate zone groundwater have decreased (CO270PZM046) or remained relatively stable. The GWPT system will continue to be operated as an IM in its current configuration of pumping from the center of the dissolved benzene plume in wells CO46-PZM047 (EW4) and CO47-PZM046 (EW5). The groundwater in these two recovery wells contains about 30,000 to 190,000 ug/l benzene and 1,200 to 2,500 ug/l naphthalene. The groundwater in the other four wells contains about 5,000 to 13,000 ug/l benzene and 140 to 1,400 µg/l naphthalene.

4.0 CELL 3

4.1. DESCRIPTION

The IM remediation program in Cell 3 consists of the operation of an AS/SVE system with off-gas treatment of extracted soil vapor by VGAC. The AS system includes a rotary vane compressor delivering oilless compressed air to fourteen sparge wells via eastern-half and western-half, aboveground poly-plastic delivery pipes and individually-valved swingarm hoses to each sparge well. The SVE system include a regenerative vacuum blower connected to eastern- and western-half poly-plastic pipe with subsequent piped connections to five risers. The risers lead to a subgrade SVE recovery trench equipped with a bottom-lying screened pipe. Consequently, individual control of specific or selected sections of the SVE trench cannot be obtained, but rather SVE energy can be proportionally focused on a riser pipe and nearby SVE trench pipe. **Figure C3-1** presents the layout of the Cell 3 AS/SVE system and the locations of the major system components, including the AS and SVE wells, the SVE trench, and groundwater monitoring wells. The major AS/SVE system design components are described in the Cell 3 final design report *Coke Oven Area Interim Measures Cell 3 Cove Area Air Sparge/Soil Vapor Extraction System Design* (URS 2011).

4.2. OPERATIONS

Operational data for the AS/SVE system for 2020 is summarized in **Table C3-1**. The system was operated continuously from January through July 2020, and intermittently on a Monday-Wednesday-Friday "pulsing" schedule from August through December. In total, based on operating hours, the system operated about 66% of the year. Downtime was caused by loss of electrical power supply, equipment/motor replacement and repair, and operational change from continuous operations to every-other-day pulsing operations. Before pulsing operations, the average VOC concentration of extracted soil vapor was about 86,000 µg/m^3. After pulsing was initiated, the average extracted soil vapor VOC concentration was about 175,000 µg/m^3. Although VOC concentrations increased by 200 percent, the actual operating hours were about 440 hours per month in August-December compared to about 600 hours per month in January-July. In all, about 5 pounds of VOCs were removed during the first quarter 2020, followed by about 45 pounds, 60 pounds and 125 pounds, respectively, during the remaining three quarters, or about 236 pounds of VOC for the year. In 2019, an estimated 30 pounds were removed with similar hours of operation. To date, about 2200 pounds of VOCs have been removed by the Cell 3 AS/SVE system (e.g., since late-June 2011), as is presented graphically on **Figure C3-2**.

Monthly influent (before treatment) soil vapor system air samples were collected to assess system VOC recovery. The monthly soil vapor samples were submitted to Pace Analytical Services, Inc. for laboratory analysis of VOCs per EPA Method 8260. Copies of the laboratory reports of analysis are presented in **Appendix B**. Air sample testing results are summarized in **Table C3-2.**

4.3. MONITORING WELL RESULTS

Samples of the groundwater in the Cell 3 monitoring well network were collected quarterly and analyzed for VOCs per EPA Method 8260. Sample testing results for groundwater samples are presented in **Table C3-3.** A time-series graph of VOCs in Cell 3 groundwater samples is presented as **Figure C3-3.** Monitoring well sampling purge logs are included in **Appendix A**. Laboratory analytical reports containing the analytical data for the quarterly groundwater sampling events are included in **Appendix B.** Groundwater samples were collected from the following monitoring wells:

- CO101-PZM (downgradient of Cell 3)
- CO102-PZM (upgradient of Cell 3)
- CO103-PZM (upgradient of Cell 3)
- CO104-PZM (downgradient of Cell 3)
- CO30-PZM015 (downgradient of Cell 3)

Laboratory analytical data indicates that benzene and naphthalene are the two most prevalent VOC constituents in groundwater at Cell 3. Review of **Figure C3-3** shows that VOC concentrations have been decreasing in four of the five wells since late-2015. Concentrations have decreased about a half to two orders of magnitude with the most prominent decline in wells CO103-PZM and CO104-PZM, both located in the western-half of the Cell 3 study area. Although VOC concentrations in CO101-PZM and CO103-PZM are lower than when remedial efforts began, they appear to be increasing since late-2018. VOC concentrations in one of the five monitoring wells (CO30-PZM015) have not changed appreciably since remedial efforts began.

Vertical profiling indicated that the majority of the benzene mass beneath Cell 3 is located primarily from 15 to 30 feet bgs, and the majority of the naphthalene mass was identified primarily from 20 to 40 feet bgs (ARM 2019). The AS wells are constructed just into the upper portion of the benzene-impacted zone and current remedial efforts are thereby limited accordingly. Continued influx of VOC mass from the apparent upgradient direction (north to south) results in otherwise slowly decreasing VOC concentrations.

4.4. EVALUATION OF EFFECTIVENESS

Based on the system monitoring data from 2020 and as shown on **Figure C3-2**, the AS/SVE system removed an order of magnitude more VOCs in 2020 compared to 2019. The increase in VOC recovery is attributed to several minor system repairs performed during the end of 2019 (air leaks), and implementing a "pulsing" schedule in August 2020 with AS/SVE energy focused on the eastern-half of the 600 feet long SVE recovery trench.

4.5. SUMMARY AND RECOMMENDATIONS

The Cell 3 AS/SVE system was operated for over 5,800 hours in 2020 and recovered about 236 pounds of VOCs. VOC concentrations in most monitoring wells, except CO30-PZM015, have decreased, but are showing relatively stable to potentially increasing trends during the past two years. The AS/SVE system will continue to be operated as an IM using a pulsed schedule.

5.0 CELL 5

5.1. DESCRIPTION

The Cell 5 IM system consists of a Dual-Phase Extraction (DPE) system to treat dissolve-phase contaminants and a DNAPL recovery system to remove DNAPL from the source area.

5.1.1. DPE System

The DPE system uses a liquid ring vacuum pump to provide vacuum-enhanced extraction of VOC-impacted groundwater and low-profile, stacked tray air stripper treatment of generated water. Soil vapor and air stripper off-gases are combined and treated through two 2,000-pound capacity VGAC filters, plumbed in series. Because of the relatively high naphthalene in recovered groundwater, air stripping does not provide full removal of VOCs from the process water. Consequently, water treated through the air stripper is further treated through up to two 1,000-pound capacity liquid-phase activated carbon (LGAC) filters before final reinjection upgradient from the line of extraction wells. The system design was approved by USEPA in September 2013, and operations began in October 2014. **Figure C5-1** presents the system layout of Cell 5 and locations of the major design components including the DPE recovery wells, groundwater reinjection wells, and groundwater monitoring wells.

The recovery and reinjection well network consists of twelve 1.5-inch diameter recovery wells along a 500 feet long line (about 42 feet spacing), and six 6-inch diameter reinjection wells located about 590 feet hydraulically upgradient of the recovery well line. The recovery wells are screened from about 15 to 17 feet bgs, and are further perforated at about 10 to 12 bgs for soil vapor removal. The upgradient reinjection wells are screened from 5 to 15 feet bgs.

5.1.2. DNAPL Recovery System

During the latter part of the fourth quarter 2015, selective pneumatic pumps were installed in wells CO123-PZM, CO124-PZM, and CO125-PZM in Cell 5 to recover DNAPL from shallow groundwater. CO123-PZM and CO125-PZM routinely contain the most DNAPL. The DNAPL recovery pumps are operated during non-winter months because when temperatures are low, the highly viscous DNAPL often clogs the recovery tubing. Recovered DNAPL is pumped directly into 55-gallon storage drums staged adjacent to the respective recovery well(s). Upon filling, the drums are transported and disposed off-site by a licensed transporter and disposal facility.

5.2. OPERATIONS

5.2.1. DPE System

Other than minor downtime periods, the DPE system operated well during 2020. A six-week downtime in early 2020 resulted after a discharge pump motor operation did not cease because of clogged bag filter back pressures. Operation of the pump triggers the automated injection of an acidic product to reduce metals precipitation within the treatment system. With continued discharge pump operation, the acid injection system over-dosed acid into the system piping and holding tanks. Metal-based piping components were corroded by the resulting acidic condition. The corroded steel fittings allowed highly acidic water to spill out onto the containment floor of the equipment shed. Quick response spill services were employed to clean up the released acid water and wash the internal structures of the equipment shed. To prevent similar malfunctions in the future, the acid dosing pump was electrically relayed to a flow switch rather than pump motor operation.

Table C5-2 presents the quarterly summary and cumulative total of gallons of groundwater recovered and treated by the DPE system during 2020. Approximately 8.1 million gallons of VOC-impacted groundwater were removed during 2020 (about 22,100 gallons per day), compared to about 5.8 million gallons in 2019.

5.2.2. DNAPL Recovery System

Table C5-3 summarizes the volumes and masses of DNAPL recovered from recovery wells CO123-PZM, CO124-PZM, and CO125-PZM during 2020, as well as the cumulative volumes and masses of DNAPL recovered to date. Approximately 172 gallons (1,651 pounds) of DNAPL were recovered in 2020, compared to 230 gallons (2,208 pounds) in 2019.

5.3. MONITORING WELL RESULTS

Quarterly groundwater samples were collected from the monitoring wells listed below to monitor the VOC concentrations in the local groundwater. Groundwater samples were collected from the following monitoring wells:

- CO23-PZM008
- CO24-PZM007
- CO26-PZM007
- CO55-PZM000
- CO56-PZP001
- CO57-PZP002
- CO58-PZM001
- CO59-PZP002

- CO60-PZP001

Quarterly groundwater samples were submitted to Pace Analytical Services, Inc. for laboratory analysis of VOCs per EPA Method 8260. Monitoring well sampling purge logs are included in **Appendix A**.

Prior to sampling each monitoring well, groundwater gauging was performed to collect depth to water measurements to evaluate groundwater elevations. The depth to water level gauging data and groundwater elevations are summarized in **Table C5-4**, and groundwater elevation maps for each quarter of 2020 are presented on **Figures C5-3 to C5-6**. **Table C5-5** provides a summary of the groundwater sample testing in 2020. Naphthalene is the most prevalent VOC in the groundwater underlying Cell 5. Naphthalene concentrations in monitoring well groundwater samples are presented on **Figures C5-7 through C5-10.** Time-series graphs of VOCs in groundwater samples from wells CO23-PZM008 and CO24-PZM007, located in the vicinity of the Cell 5 reinjection well network, are presented on **Figure C5-11**. Time-series graphs of VOCs in groundwater samples from CO55-PZM000, CO56-PZP001, and CO59-PZP002, located in the vicinity of the Cell 5 recovery well network, are presented on **Figure C5-12**. Time-series graphs of VOCs in groundwater samples from CO26-PZM007, CO57-PZP002, CO58-PZM001, and CO60-PZP001, located around the eastern and southern perimeter of the Cell 5 recovery well network, are presented on **Figure C5-13**.

Monitoring well CO57-PZP002 was inaccessible due to large rubble piles preventing access to the well during the third and fourth quarter 2020 groundwater sampling events. Monitoring well CO59-PZP002 was inaccessible due to large rubble piles preventing access during the fourth quarter 2020 groundwater sampling event. Laboratory reports of analysis for the groundwater samples collected from Cell 5 monitoring well network during 2020 are included as **Appendix B.**

During 2020, the DPE system recovered and treated approximately 8.1 million gallons of VOC-impacted groundwater, as compared to 5.8 million gallons during 2019. The quarterly volumes of groundwater treated and discharged are presented on **Table C5-2**, along with the average quarterly and total annual hydrocarbon concentrations and removal masses.

5.4. EVALUATION OF EFFECTIVENESS

As summarized on **Table C5-2** and **Table C5-3**, the DPE and DNAPL recovery systems in Cell 5 removed an estimated 379 pounds and 1,651 pounds of hydrocarbons, respectively, for a total of 2,030 pounds recovered during 2020. As shown on **Figure C5-2**, the DPE system has recovered a cumulative total of 1,765 pounds of hydrocarbons since its installation in 2014.

VOC concentrations in groundwater in the area of the upgradient reinjection wells have remained mostly unchanged since operations began. The VOC concentration in CO24-PZM007, which had shown a decreasing trend since about September 2018 through September 2020, increased

significantly per the December 2020 sampling event. The increase is not believed to be a result of elevated discharge concentrations, which have been maintained in compliance with discharge limits. Rather, the increase may be groundwater fluctuation dependent. VOC concentrations in CO55-PZM000 and CO59-PZP002 have fluctuated for the past six-plus years, but also have shown similar order of magnitude decreases since recovery efforts began. VOCs in CO56-PZP001 have remained mostly stable since mid-2017. VOCs in the eastern and southern lying wells (CO26-PZM007, CO57-PZP002, CO58-PZM001, and CO60-PZP001) have fluctuated during the six-plus year monitoring period with otherwise stable concentrations indicating generally minimal effect by Cell 5 remediation efforts.

5.5. SUMMARY AND RECOMMENDATIONS

Cell 5 includes a DPE system designed to address and contain VOC-impacted shallow zone groundwater, and a DNAPL recovery system designed to remove DNAPL from the source area within the "Turning Basin" side of the former COA. Considerable system repairs were completed in March and April 2020 in response to a malfunctioning acid-dosing system and filter bag clogging that results in metal-based piping and fittings corroding and leaking water within the containment shell of the equipment building. To prevent similar malfunctions in the future, the acid dosing pump was electrically relayed to a flow switch rather than pump motor operation. The DPE system and DNAPL recovery systems together recovered about 2,030 pounds of hydrocarbons from the shallow groundwater underlying the Cell 5 area. A majority of the mass recovered to date has been provided by the DNAPL system. The DPE system treated significantly more water in 2020 than it did in 2019. Cell 5 will continue as currently operated as an IM while the final remedy is being evaluated.

6.0 CELL 6

6.1. DESCRIPTION

The Cell 6 LNAPL recovery system at the Former Benzol Processing Area began operation in October 2016. The Multi-Phase (MPE) system includes the use of vacuum-enhanced recovery of soil vapor, LNAPL and impacted groundwater using a high vacuum blower coupled to air/liquid separator and oil/water coalescing separator system. Generated wastewater is ultimately filtered to remove micron-sized oil droplets and discharged into upgradient reinjection wells. Recovered oil is pumped from the oil/water separator system to holding tanks, and soil vapor off-gas is processed through a CatOx. Before the semi-automated system began operation in October 2016, remedial activities included manual operation of pneumatic LNAPL skimming pumps and hand bailing of LNAPL starting in July 2010.

LNAPL was identified in well CO173. Well CO173 has been equipped with a solar-powered and bottled nitrogen-gas supplied, pneumatic skimmer pump to recover LNAPL. The pneumatic skimmer pump accounted for the majority of LNAPL product removed from the Cell 6 system in 2020. By February 2020, three new reinjection wells were constructed further north and west of the recovery well network and former reinjection well line. The original reinjection wells were showing decreasing efficiency to accept discharged water from the recovery system. The multi-tank oil/water separator system was upgraded with coalescing media designed for oil/water separation, which has since proven to be very effective in addressing oil emulsions in discharge water.

The recovery well network consists of fifty-three 2-inch diameter by 17 feet deep extraction wells and three 6-inch by 22 feet deep reinjection wells located upgradient from the extraction well network. The extraction wells are individually connected to 43 extraction hoses with isolation valves at each wellhead. The locations of the recovery wells, new reinjection wells and system features are presented on **Figure C6-1**. Additional details of the MPE system are listed below.

6.2. OPERATIONS

6.2.1. MPE System

During 2020, the Cell 6 MPE system recovered an estimate 1,089 gallons (7,980 pounds) of LNAPL. Waste LNAPL removal was conducted on September 7 and December 1. During each event, recovered LNAPL stored in a 5,000-gallon AST was removed by vacuum truck, transported off-site by a licensed transporter, and disposed accordingly as hazardous waste at a RCRA-licensed disposal facility.

Table C6-1 summarizes the volume of LNAPL recovered by skimmer pump operation and hand bailing before the MPE system began operation in October 2016. The table also presents the

volumes of LNAPL recovered by the MPE system during 2020, and the cumulative volume of LNAPL recovered by all recovery methods over the entire historical operational period. During 2020, the pneumatic skimmer pump in CO173 recovered an estimated 4,673 gallons (34,244 pounds) of LNAPL.

6.3. EVALUATION OF EFFECTIVENESS

As shown in **Table C6-1** and **Figure C6-2**, the Cell 6 MPE system and the skimmer pump operations removed an estimated 5,762 gallons (42,224 pounds) of LNAPL during 2020, compared to 2,182 gallons (16,000 pounds) in 2019. **Figure C6-3 through Figure C6-5** present the average quarterly accumulations of LNAPL measured throughout the recovery well network. Comparing average LNAPL accumulations for fourth quarter 2020 with fourth quarter 2019 shows a decreasing trend in LNAPL thickness. This decrease over time is presented on **Figure C6-6**. The decreasing LNAPL thickness is directly related to effective recovery efforts and groundwater fluctuations. Thicker accumulations are observed when groundwater elevations are deeper; conversely, thinner accumulations prevail when groundwater elevations are shallower.

6.4. SUMMARY AND RECOMMENDATIONS

Cell 6 IM remediation efforts consist of a LNAPL MPE recovery system at the Former Benzol Processing Area along with pneumatic skimming of LNAPL from well CO173. The MPE system and CO173 skimmer pump removed about 5,762 gallons (42,224 pounds) of LNAPL during 2020. Since mid-2010, an estimated 27,988 gallons (205,100 pounds) of LNAPL have been recovered and disposed accordingly. The Cell 6 recovery well network will continue to be gauged to monitor LNAPL thicknesses; and resulting data used to identify specific recovery wells with thicker accumulations of LNAPL. The recovery rate in well CO173 will be monitored and will be evaluated to determine if additional measures may be warranted north of the current Cell 6 boundaries.

7.0 SUMMARY AND CONCLUSIONS

During 2020, with the exception of the AS/SVE system in Cell 2, the IMs at the former COA were operated in accordance with the respective operating plans and designs. Cell 2 AS/SVE has not operated since early 2019 because of shallow groundwater conditions submerging the shallow SVE trench preventing its use. A total of over 50,400 pounds of VOCs (hydrocarbons) were removed in 2020 by the five IM systems within the COA. Approximately 26,560 pounds were removed in 2019, and 18,700 pounds were removed in 2018. A large portion of the recovery increase for 2020 is the result of operating an LNAPL skimming pump system in well CO173 within Cell 6. The recovery rate in well CO173 will be monitored and will be evaluated to determine if additional measures may be warranted north of the current Cell 6 boundaries.

The IMs will continue to operate during the Corrective Measures Study that is being conducted to evaluate remedial alternatives and develop a recommended final remedy for groundwater pursuant to *Coke Point Area Groundwater Corrective Measures Study Work Plan* (Revision 1, January 15, 2021). During the Corrective Measures Study, the recovery rate in well CO173 and site characterization data will be evaluated to determine if additional measures may be warranted north of the current Cell 6 boundaries. Because an extended and detailed historical database has been generated for VOC concentrations and respective groundwater elevations in monitoring wells throughout the COA, a revised groundwater monitoring program to assess the progress of the IMs and to assess trends in the groundwater conditions in the overall COA has been proposed in the *Coke Oven Area Monitoring Network Update Letter* (Revision 0 dated January 18, 2021).

8.0 REFERENCES

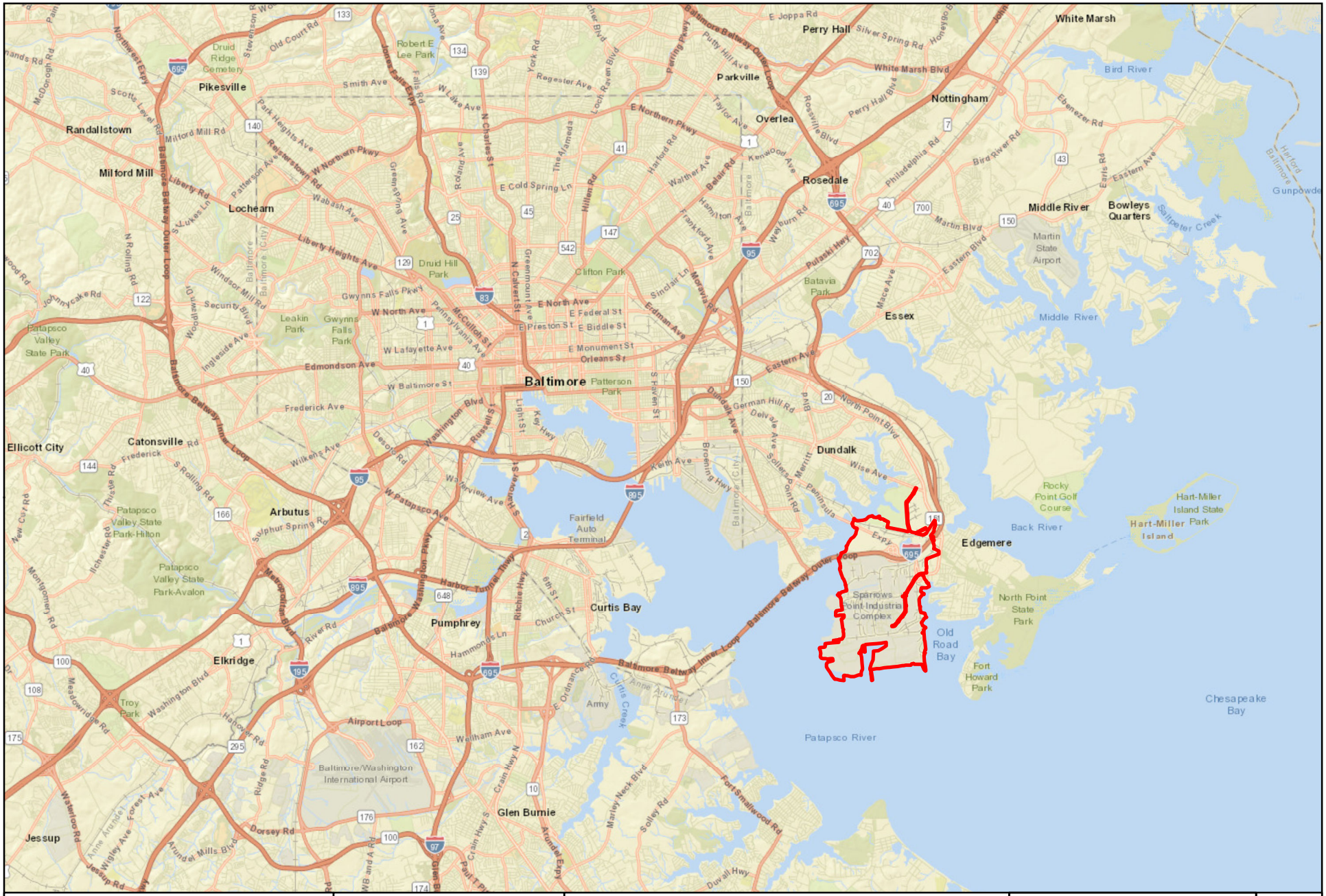
ARM Group LLC (2021). *Coke Point Area Groundwater Corrective Measures Study Work Plan.* Revision 1. January 15, 2021.

ARM Group LLC (2021). *Coke Oven Area Groundwater Monitoring Update Letter*. Revision 0. January 18, 2021.

Key Environmental (2015). *Pre-Design Investigation (PDI) Summary Report – Former Coke Oven Area.* October 9, 2015.

URS Corporation. (2011). *Coke Oven Area Interim Measures Cell 3 "Cove" Area Air Sparge/Soil Vapor Extraction System Design*). March 1, 2011.

FIGURES



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ARM Group LLC
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0 1.25 2.5 5 Miles

Property Boundary

Tradepoint Atlantic Regional Site View

January 19, 2021

Tradepoint Atlantic	Figure
Sparrows Point	1
Baltimore County, MD	

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1 inch = 500 feet

0 250 500
Feet

Former Coke Oven Area
Interim Measures Cell Locations

Date: 1/19/2021

Figure 2

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N

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1 inch = 100 feet

0 50 100
Feet

Former Coke Oven Area
Cell 1 System Layout
AS/SVE
Date: 1/19/2021

Figure
C1-1

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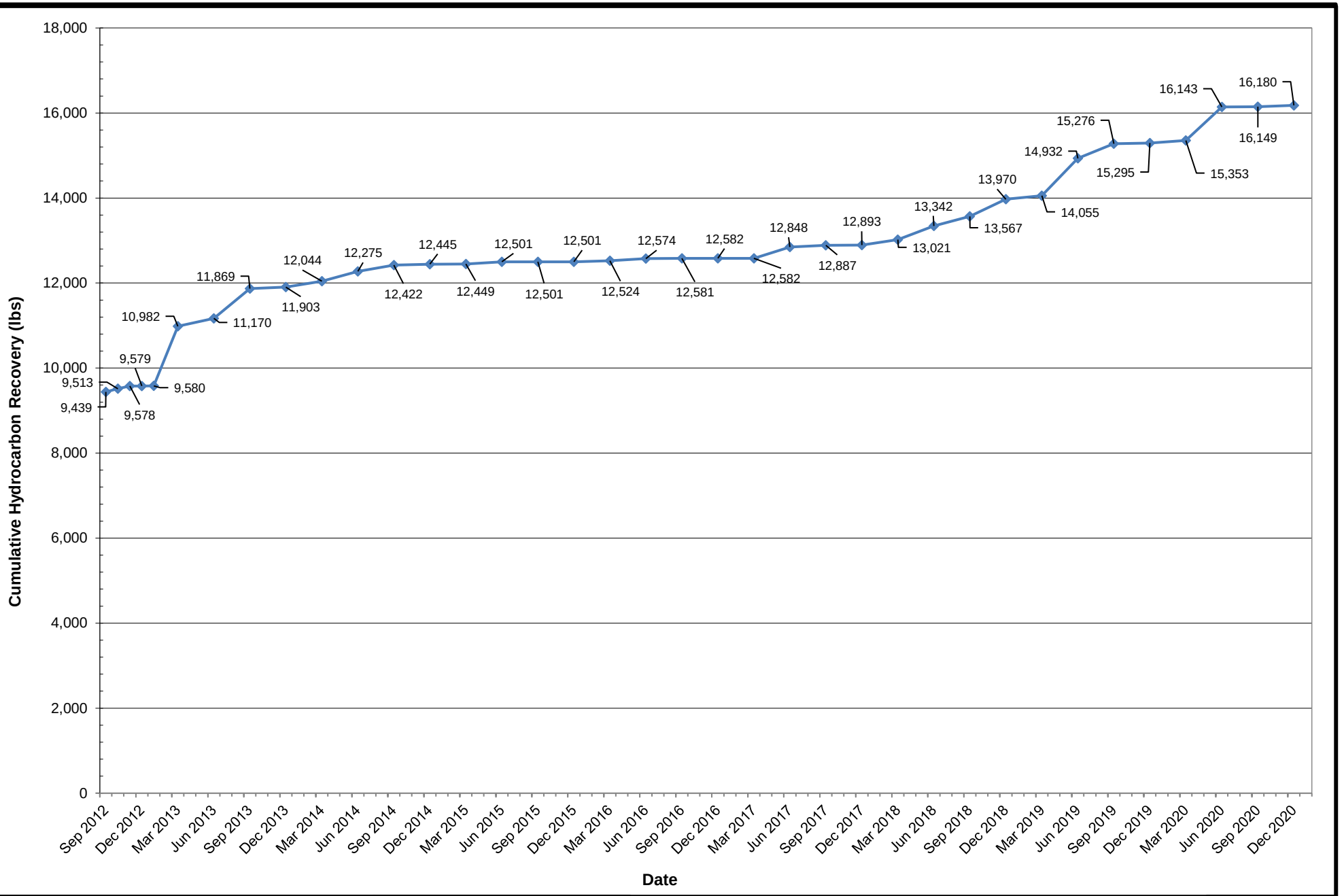

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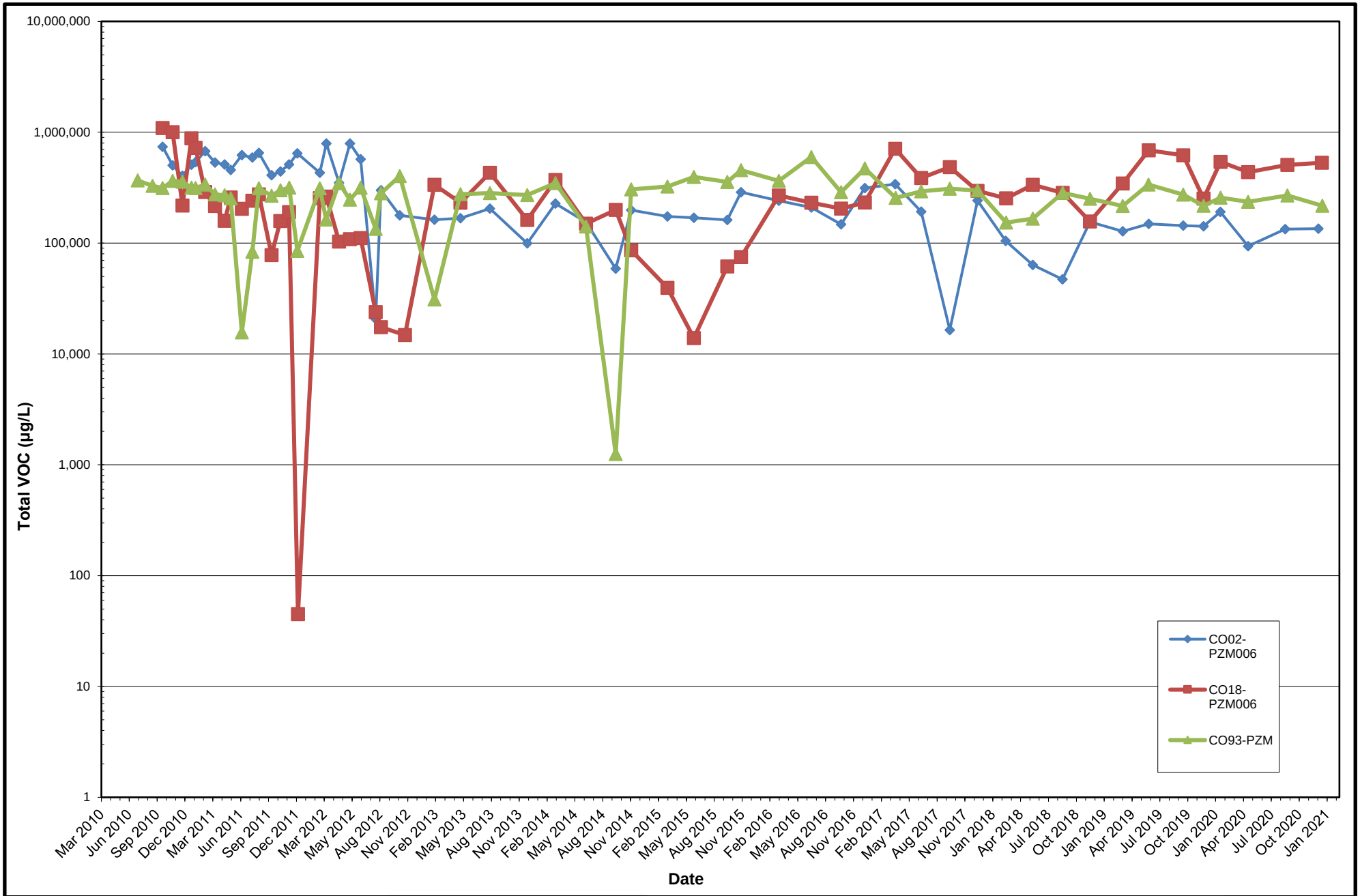
Former Coke Oven Area
Tradepoint Atlantic

Sparrows Point, Maryland

Cumulative Hydrocarbon Recovery (lbs)
Cell 1

January 22, 2021

Figure
C1-2



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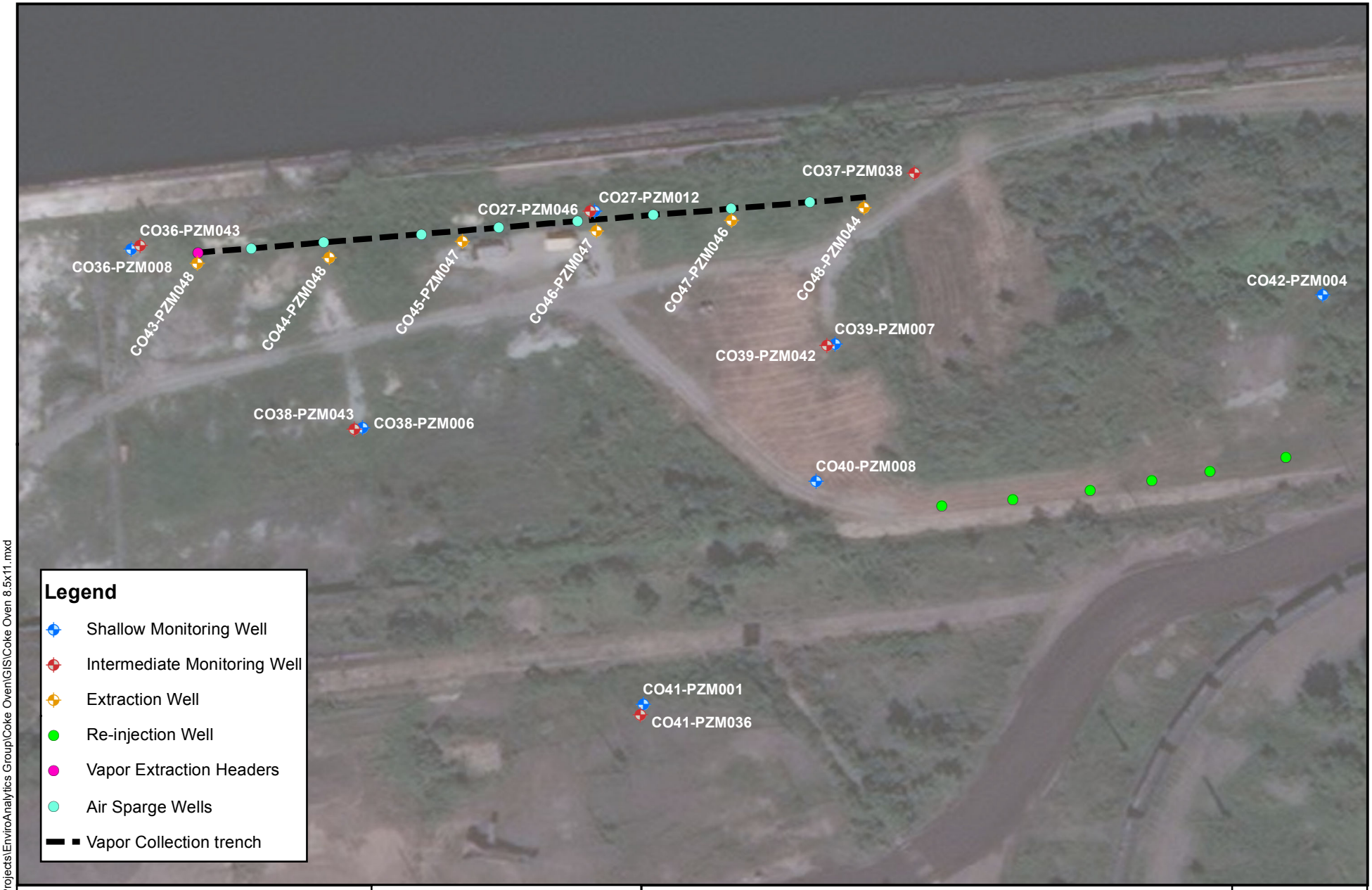
Former Coke Oven Area
Tradepoint Atlantic

Sparrows Point, Maryland

Total VOCs in Groundwater
Cell 1 Shallow Zone

February 2, 2021

Figure
C1-3



N

ARM Group LLC
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1 inch = 100 feet

0 50 100 Feet

Former Coke Oven Area
Cell 2 System Layout
AS/SVE and GW P&T
Date: 1/19/2021

Figure C2-1

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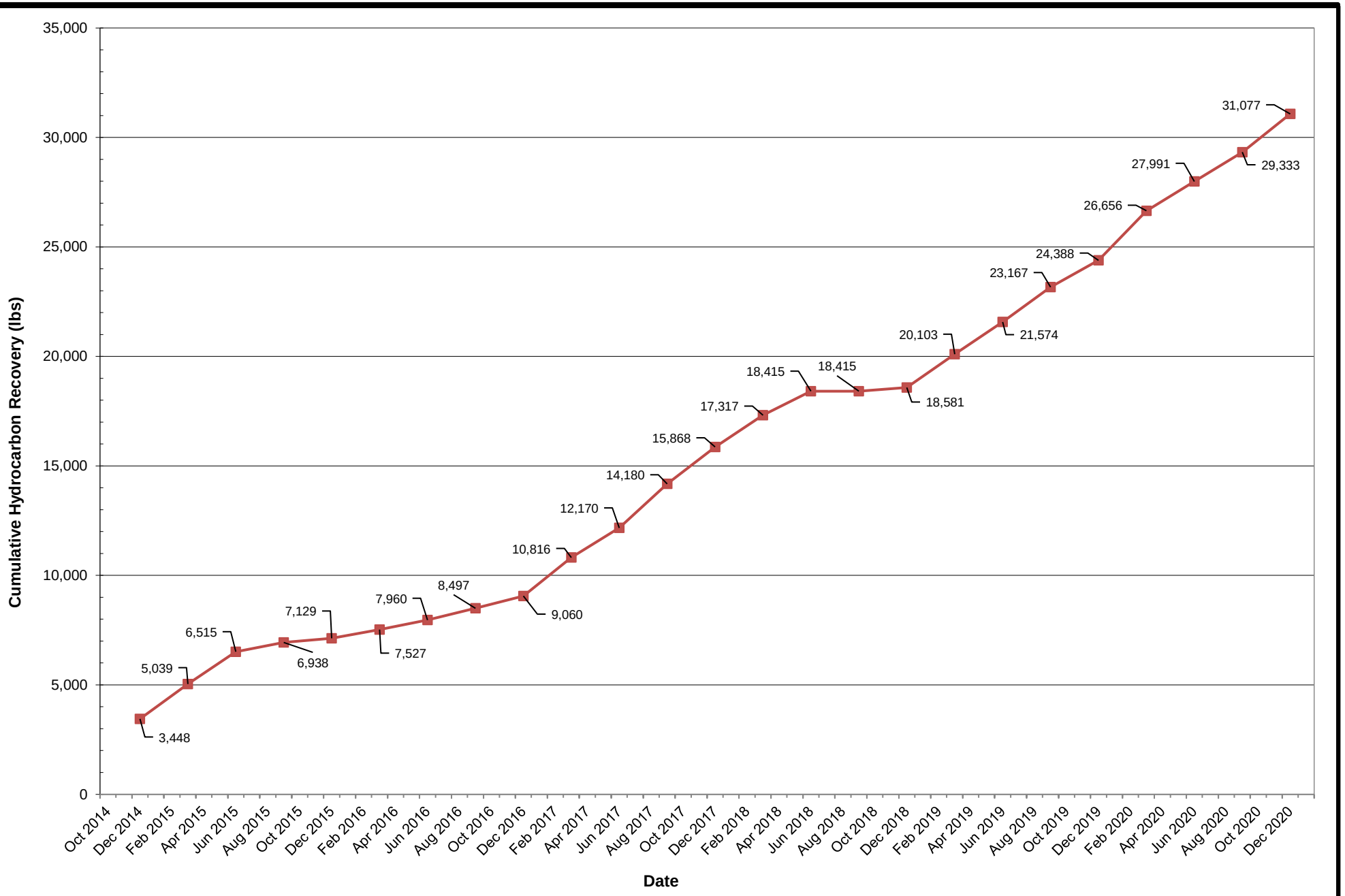

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Former Coke Oven Area
Tradepoint Atlantic

Sparrows Point, Maryland

Cumulative Hydrocarbon Recovery (lbs)
Cell 2

January 22, 2021

Figure
C2-2



N

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1 inch = 100 feet

0 50 100 Feet

Former Coke Oven Area
Cell 2 Q1 Groundwater Elevation
Shallow Zone

Date: 2/8/2021

Figure C2-3

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1 inch = 100 feet

0 50 100 Feet

Former Coke Oven Area
Cell 2 Q2 Groundwater Elevation
Shallow Zone
Date: 2/8/2021

Figure C2-4

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1 inch = 100 feet

0 50 100 Feet

Former Coke Oven Area
Cell 2 Q3 Groundwater Elevation
Shallow Zone

Date: 2/8/2021

Figure
C2-5

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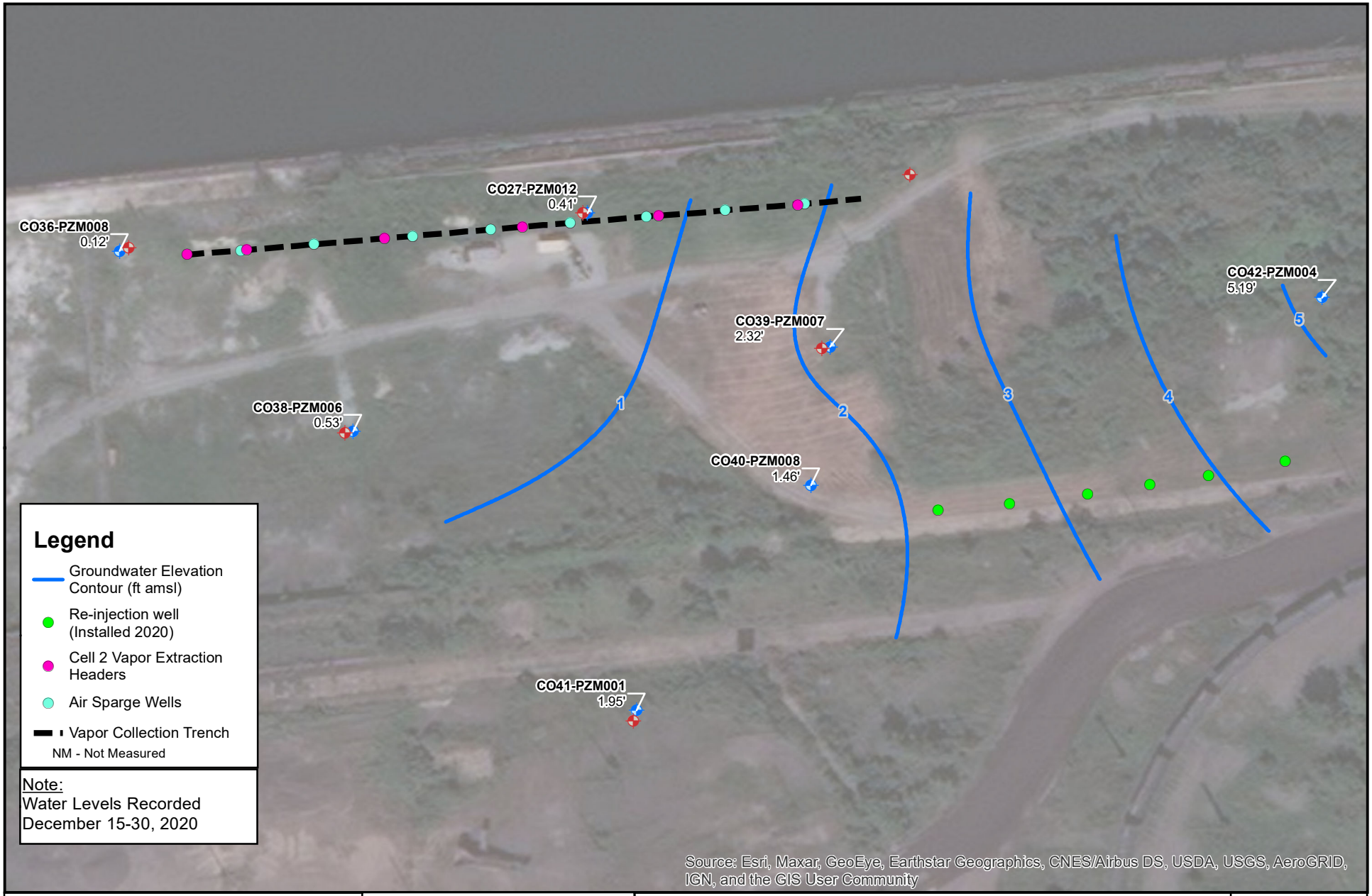

N

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1 inch = 100 feet

0 50 100 Feet

Former Coke Oven Area
Cell 2 Q4 Groundwater Elevation
Shallow Zone

Date: 2/8/2021

Figure
C2-6

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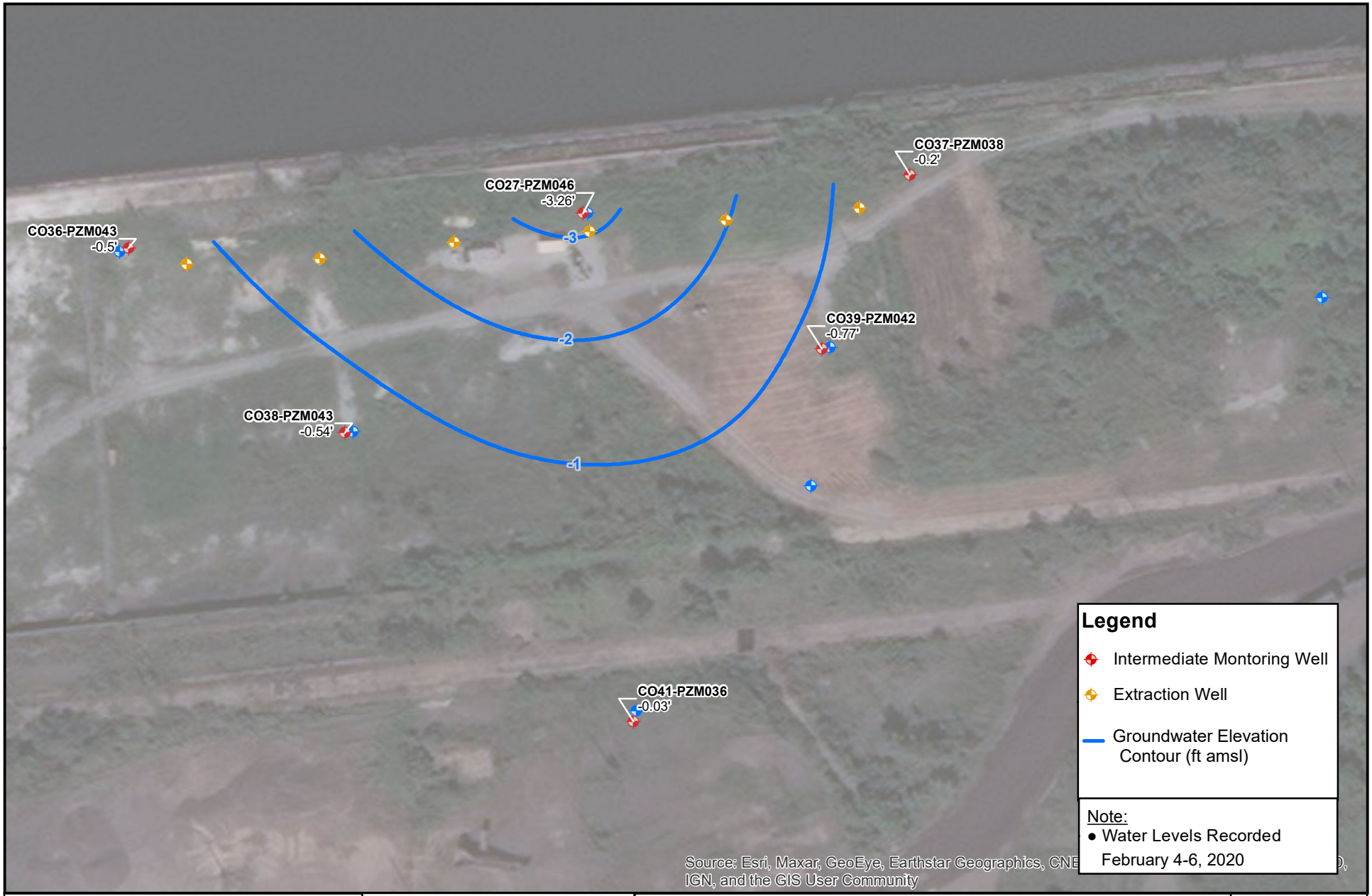

N

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1 inch = 100 feet

0 50 100 Feet

Former Coke Oven Area
Cell 2 Q1 Groundwater Elevation
Intermediate Zone

Date: January 26, 2021

Figure C2-7

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1 inch = 100 feet

0 50 100 Feet

Former Coke Oven Area
Cell 2 Q2 Groundwater Elevation
Intermediate Zone

Date: January 26, 2021

Figure
C2-8

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N

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1 inch = 100 feet

0 50 100
Feet

Former Coke Oven Area
Cell 2 Q3 Groundwater Elevation
Intermediate Zone

Date: January 26, 2021

Figure
C2-9

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1 inch = 100 feet

0 50 100 Feet

Former Coke Oven Area
Cell 2 Q4 Groundwater Elevation
Intermediate Zone

Date: January 26, 2021

Figure C2-10

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1 inch = 100 feet

0 50 100 Feet

Former Coke Oven Area
Cell 2 Q1 Benzene Concentrations
Shallow Zone

Date: 2/8/2021

Figure
C2-11

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1 inch = 100 feet

0 50 100 Feet

Former Coke Oven Area
Cell 2 Q2 Benzene Concentrations
Shallow Zone

Date: 2/8/2021

Figure
C2-12

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1 inch = 100 feet

0 50 100 Feet

Former Coke Oven Area
Cell 2 Q3 Benzene Concentrations
Shallow Zone

Date: 2/8/2021

Figure
C2-13

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1 inch = 100 feet

0 50 100 Feet

Former Coke Oven Area
Cell 2 Q4 Benzene Concentrations
Shallow Zone

Date: 2/8/2021

Figure
C2-14

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N

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1 inch = 100 feet

0 50 100 Feet

Former Coke Oven Area
Cell 2 Q1 Benzene Concentrations
Intermediate Zone
Date: 1/20/2021

Figure C2-15

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1 inch = 100 feet

0 50 100 Feet

Former Coke Oven Area
Cell 2 Q2 Benzene Concentrations
Intermediate Zone

Date: 1/20/2021

Figure
C2-16

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N

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1 inch = 100 feet

0 50 100 Feet

Former Coke Oven Area
Cell 2 Q3 Benzene Concentrations
Intermediate Zone

Date: 1/20/2021

Figure
C2-17

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Engineers and Scientists

1 inch = 100 feet

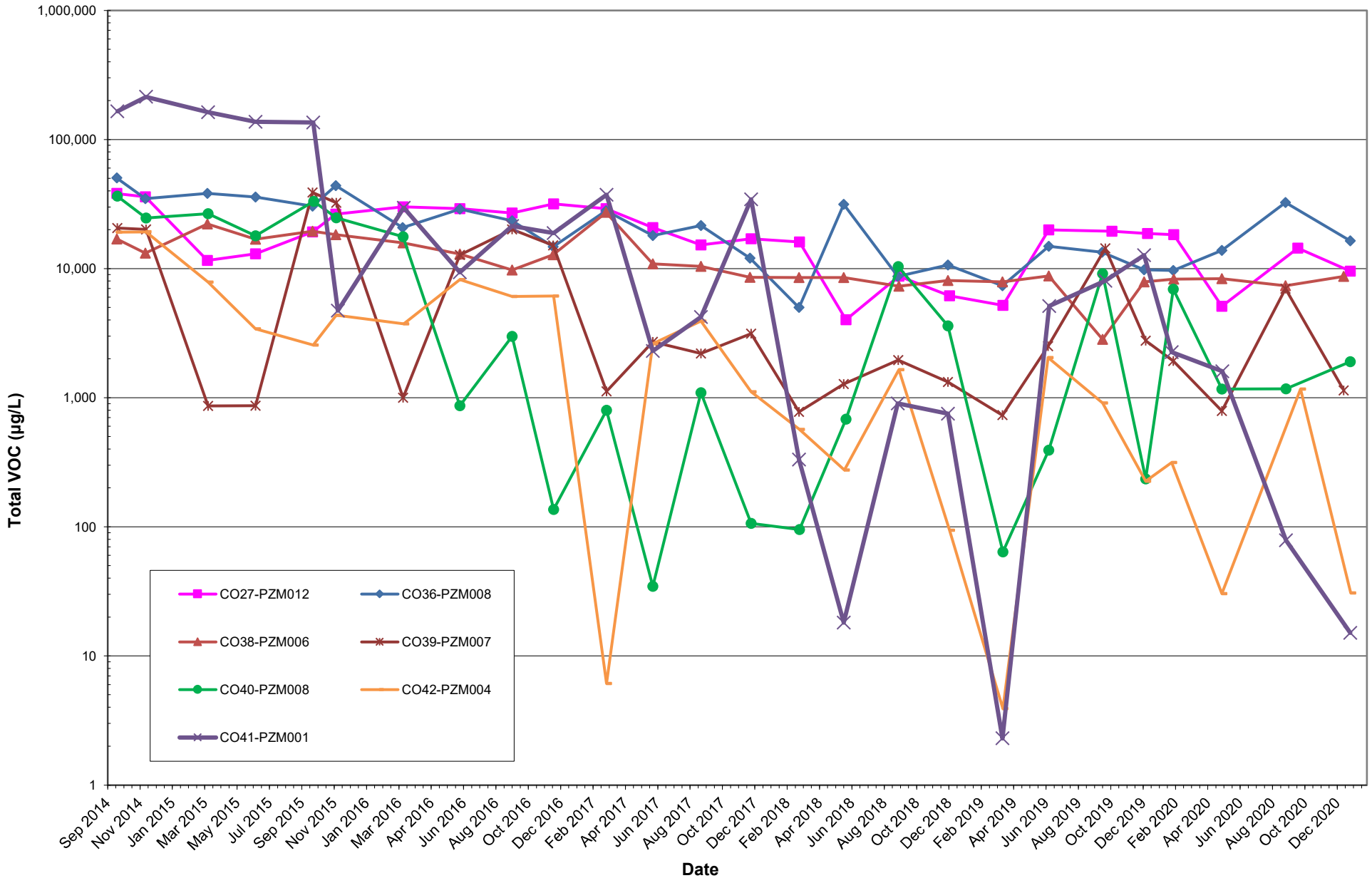
0 50 100 Feet

Former Coke Oven Area
Cell 2 Q4 Benzene Concentrations
Intermediate Zone

Date: 1/20/2021

Figure
C2-18

\\armgroup.lcl\CorpData\Projects\EnviroAnalytics Group\Coke Oven\GIS\Coke Oven 8.5x11.mxd



ARM Group LLC
Engineers and Scientists

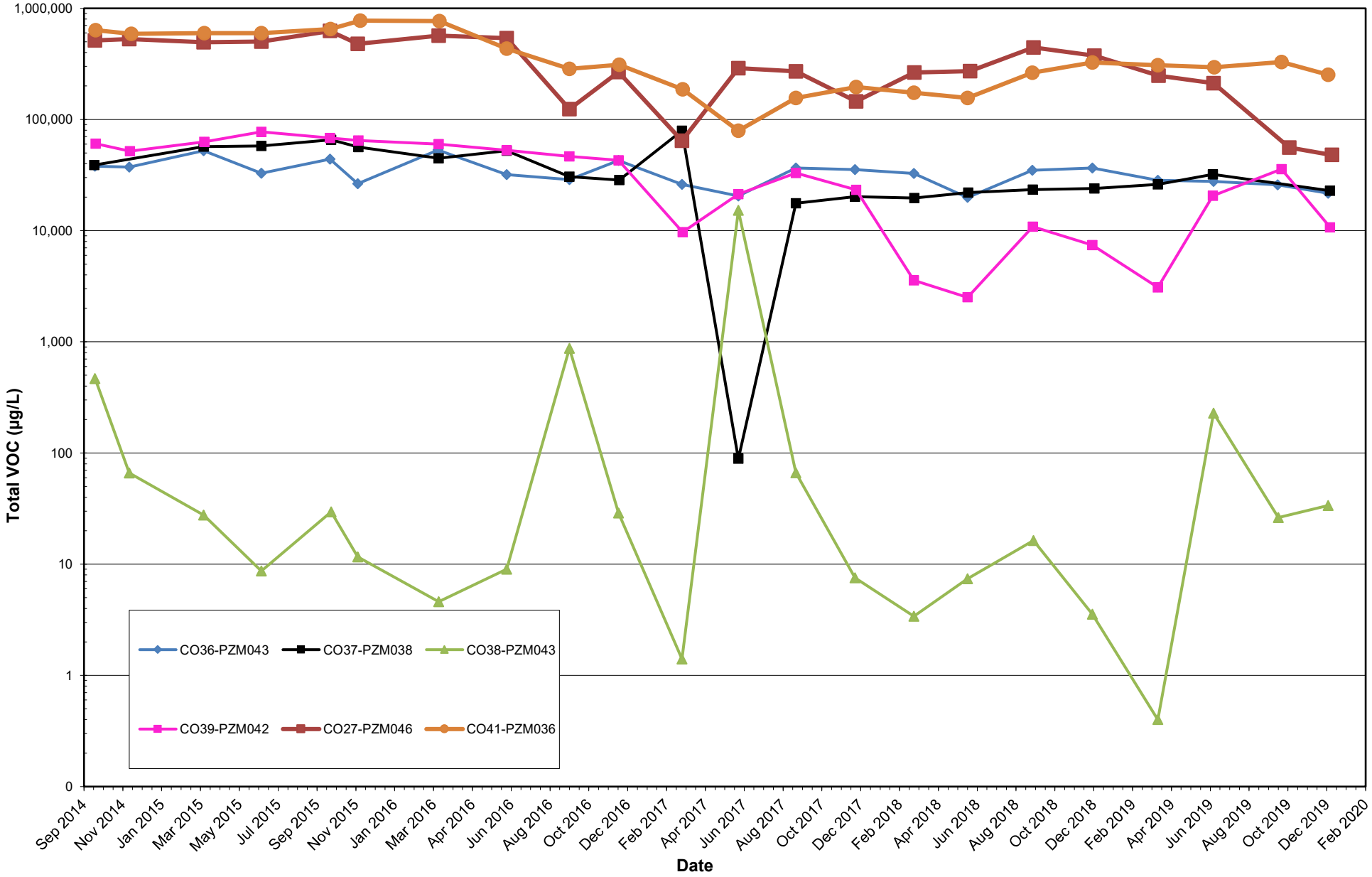
Former Coke Oven Area
Tradepoint Atlantic

Sparrows Point, Maryland

Total VOCs in Cell 2 Groundwater Shallow Zone

February 2, 2021

Figure C2-19



ARM Group LLC
Engineers and Scientists

Former Coke Oven Area
Tradepoint Atlantic

Sparrows Point, Maryland

Total VOCs in Groundwater
Cell 2 Intermediate Zone

February 2, 2021

Figure
C2-20



N

ARM Group LLC
Engineers and Scientists

1 inch = 100 feet

0 50 100
Feet

Former Coke Oven Area
Cell 3 System Layout
AS/SVE
Date: 1/19/2021

Figure
C3-1

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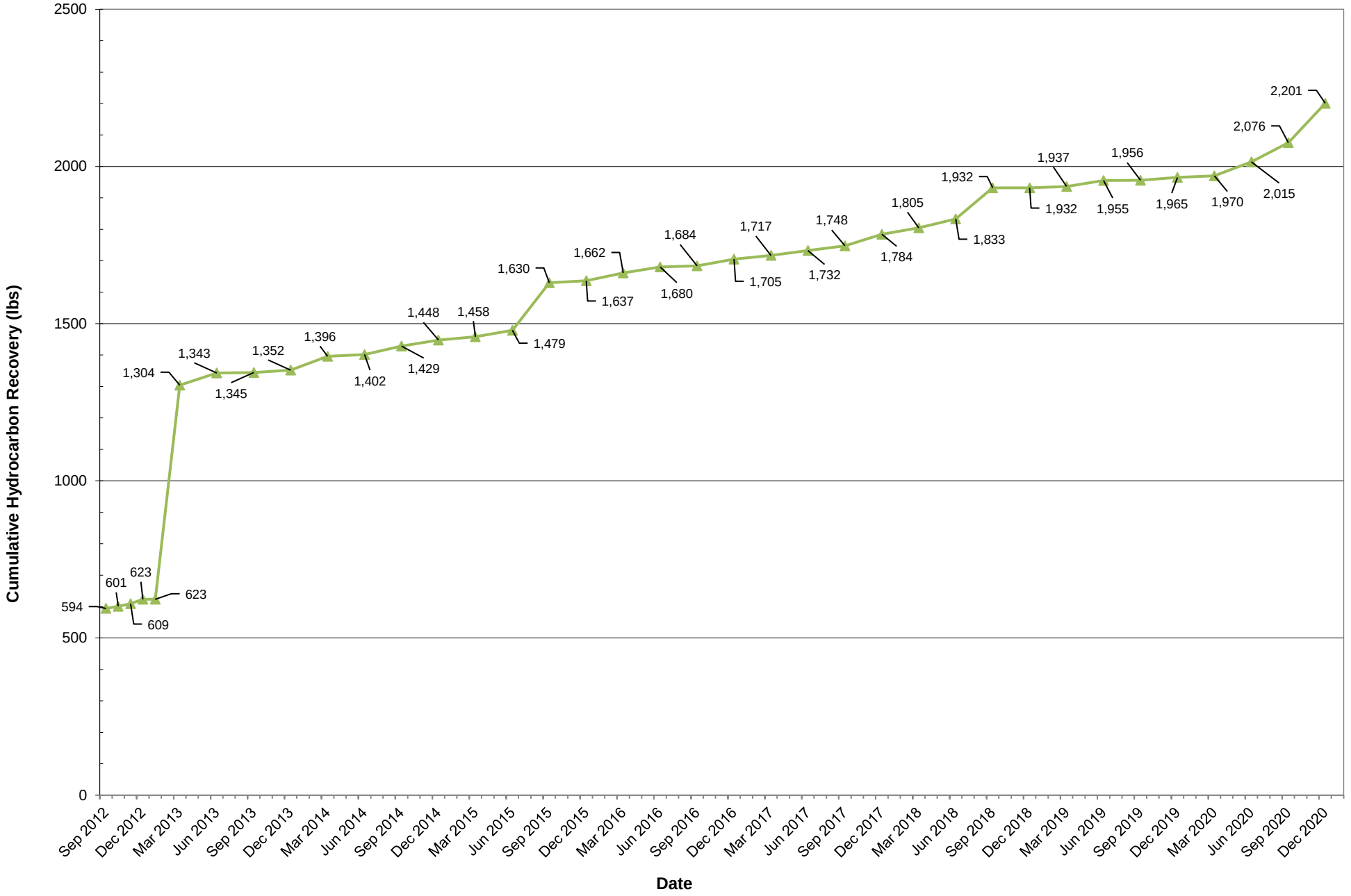


ARM Group LLC
Engineers and Scientists

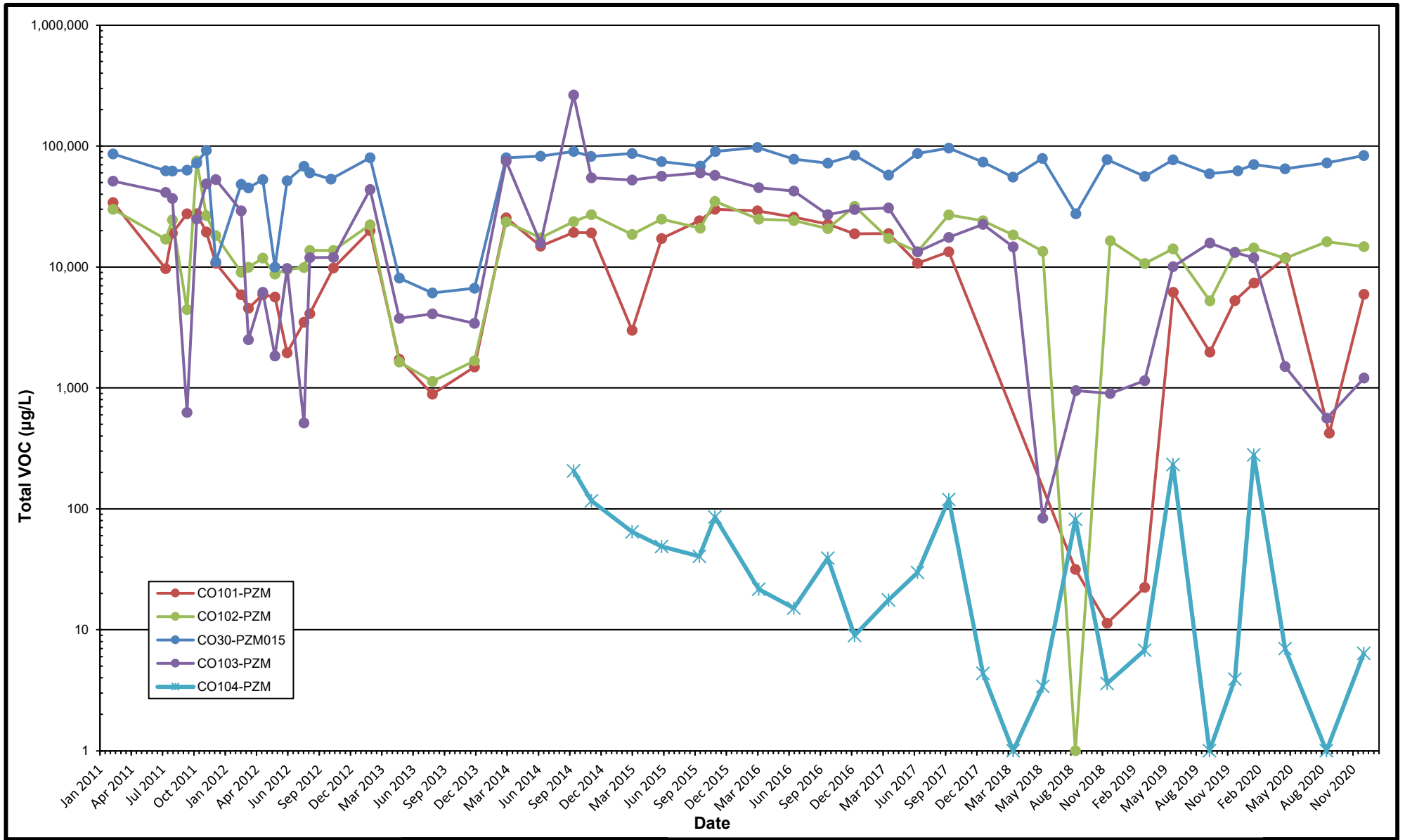
Former Coke Oven Area
Tradepoint Atlantic

Sparrows Point, Maryland

Cumulative Hydrocarbon Recovery (lbs)
Cell 3

January 22, 2021

Figure
C3-2



ARM Group LLC
Engineers and Scientists

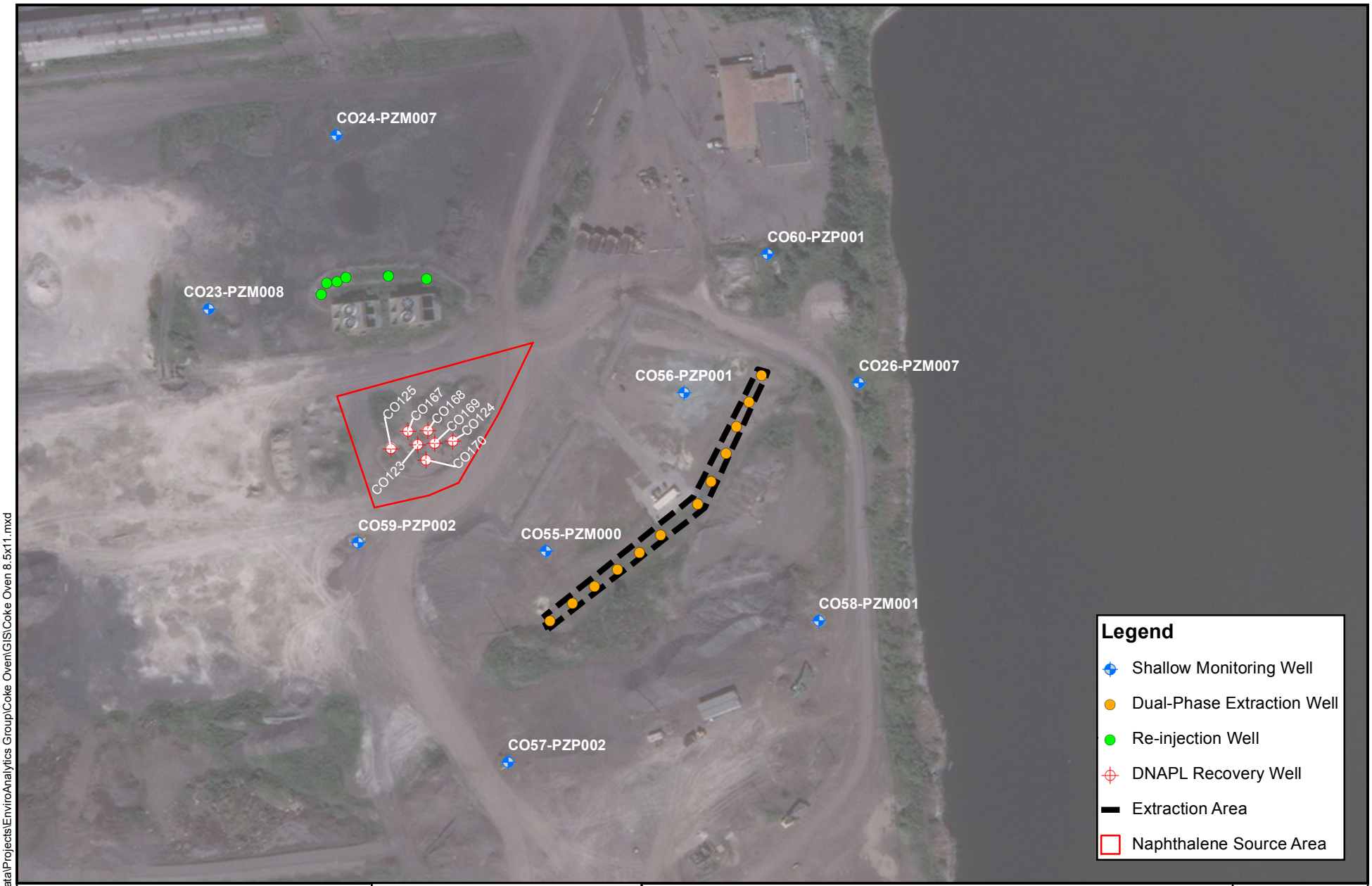
Former Coke Oven Area
Tradepoint Atlantic

Sparrows Point, Maryland

Total VOCs in Cell 3 Groundwater

February 2, 2021

Figure C3-3



N

ARM Group LLC
Engineers and Scientists

1 inch = 200 feet

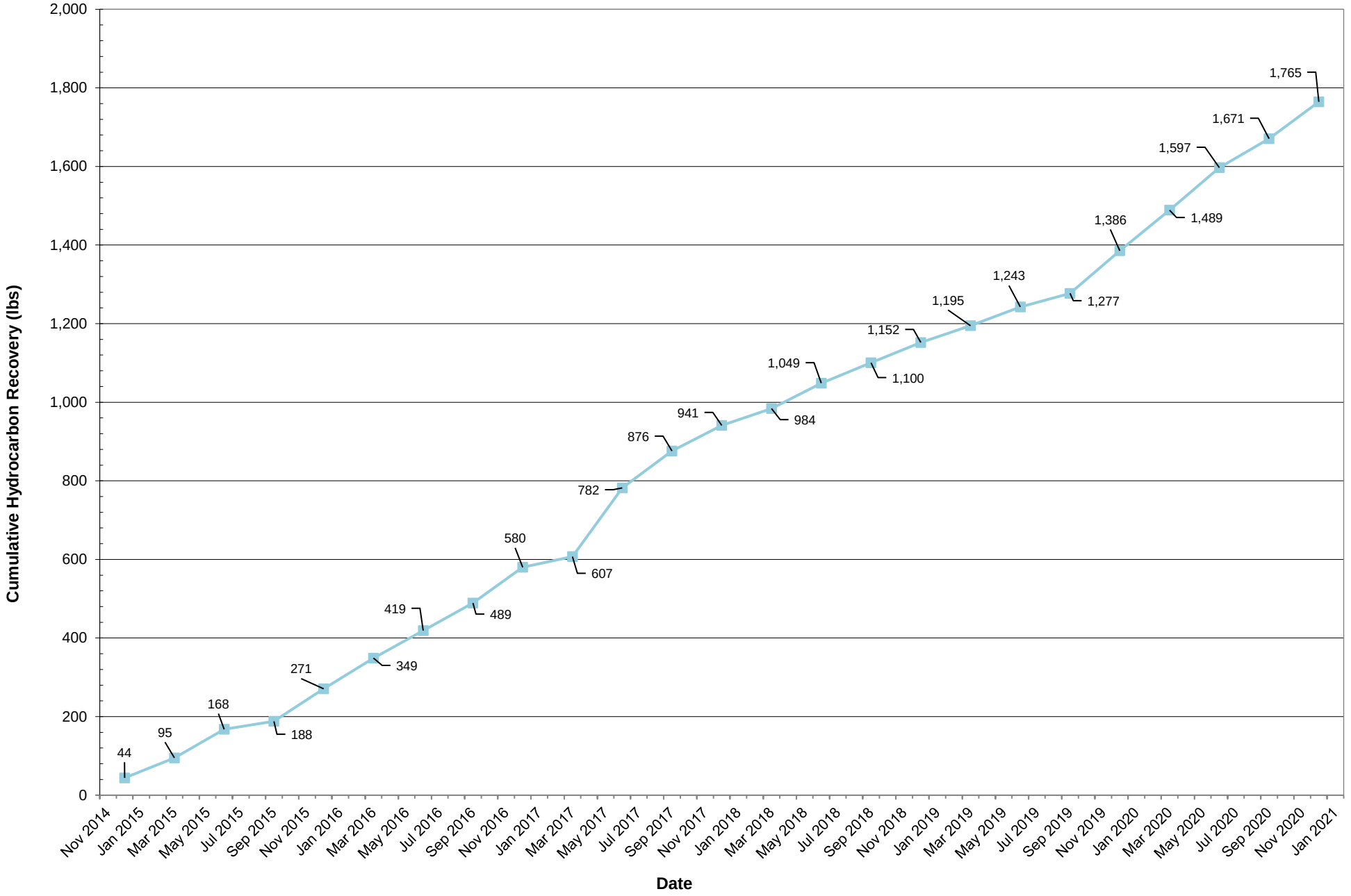
0 100 200 Feet

Former Coke Oven Area
Cell 5 System Layout
DPE System and DNAPL Recovery

Date: 1/19/2021

Figure C5-1

\\COLUMBIADC01\CorpData\Projects\EnviroAnalytics Group\Coke Oven\GIS\Coke Oven 8.5x11.mxd



ARM Group LLC
Engineers and Scientists

Former Coke Oven Area
Tradepoint Atlantic

Sparrows Point, Maryland

Cumulative Hydrocarbon Recovery (lbs)
Cell 5

January 22, 2021

Figure
C5-2



N

ARM Group LLC
Engineers and Scientists

1 inch = 200 feet

0 100 200 Feet

Former Coke Oven Area
Cell 5 Q1 Groundwater Elevation
Shallow Zone

Date: 2/2/2021

Figure C5-3

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N

ARM Group LLC
Engineers and Scientists

1 inch = 200 feet

0 100 200 Feet

Former Coke Oven Area
Cell 5 Q2 Groundwater Elevation
Shallow Zone

Date: 2/2/2021

Figure C5-4

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N

ARM Group LLC
Engineers and Scientists

1 inch = 200 feet

0 100 200
Feet

Former Coke Oven Area
Cell 5 Q3 Groundwater Elevation
Shallow Zone

Date: 2/2/2021

Figure
C5-5

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N

ARM Group LLC
Engineers and Scientists

1 inch = 200 feet

0 100 200
Feet

Former Coke Oven Area
Cell 5 Q4 Groundwater Elevation
Shallow Zone

Date: 2/2/2021

Figure
C5-6

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N

ARM Group LLC
Engineers and Scientists

1 inch = 200 feet

0 100 200
Feet

Former Coke Oven Area
Cell 5 Q1 Naphthalene Concentrations
Shallow Zone

Date: 1/20/2021

Figure
C5-7

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N

ARM Group LLC
Engineers and Scientists

1 inch = 200 feet

0 100 200 Feet

Former Coke Oven Area
Cell 5 Q2 Naphthalene Concentrations
Shallow Zone

Date: 1/20/2021

Figure C5-8

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N

ARM Group LLC
Engineers and Scientists

1 inch = 200 feet

0 100 200 Feet

Former Coke Oven Area
Cell 5 Q3 Naphthalene Concentrations
Shallow Zone

Date: 1/20/2021

Figure C5-9

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N

ARM Group LLC
Engineers and Scientists

1 inch = 200 feet

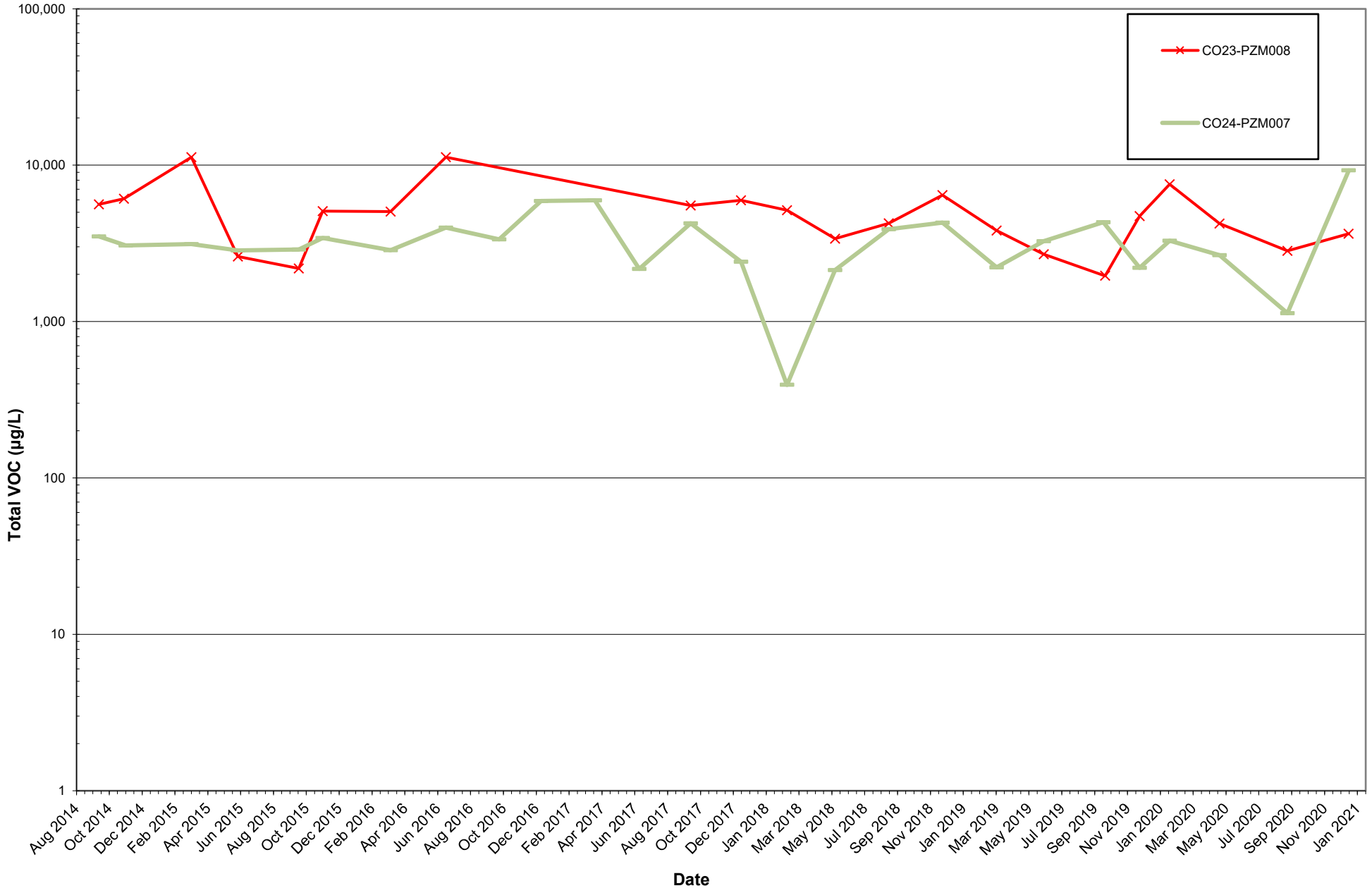
0 100 200 Feet

Former Coke Oven Area
Cell 5 Q4 Naphthalene Concentrations
Shallow Zone

Date: 1/20/2021

Figure
C5-10

\\armgroup.lcl\CorpData\Projects\EnviroAnalytics Group\Coke Oven\GIS\Coke Oven 8.5x11.mxd



ARM Group LLC
Engineers and Scientists

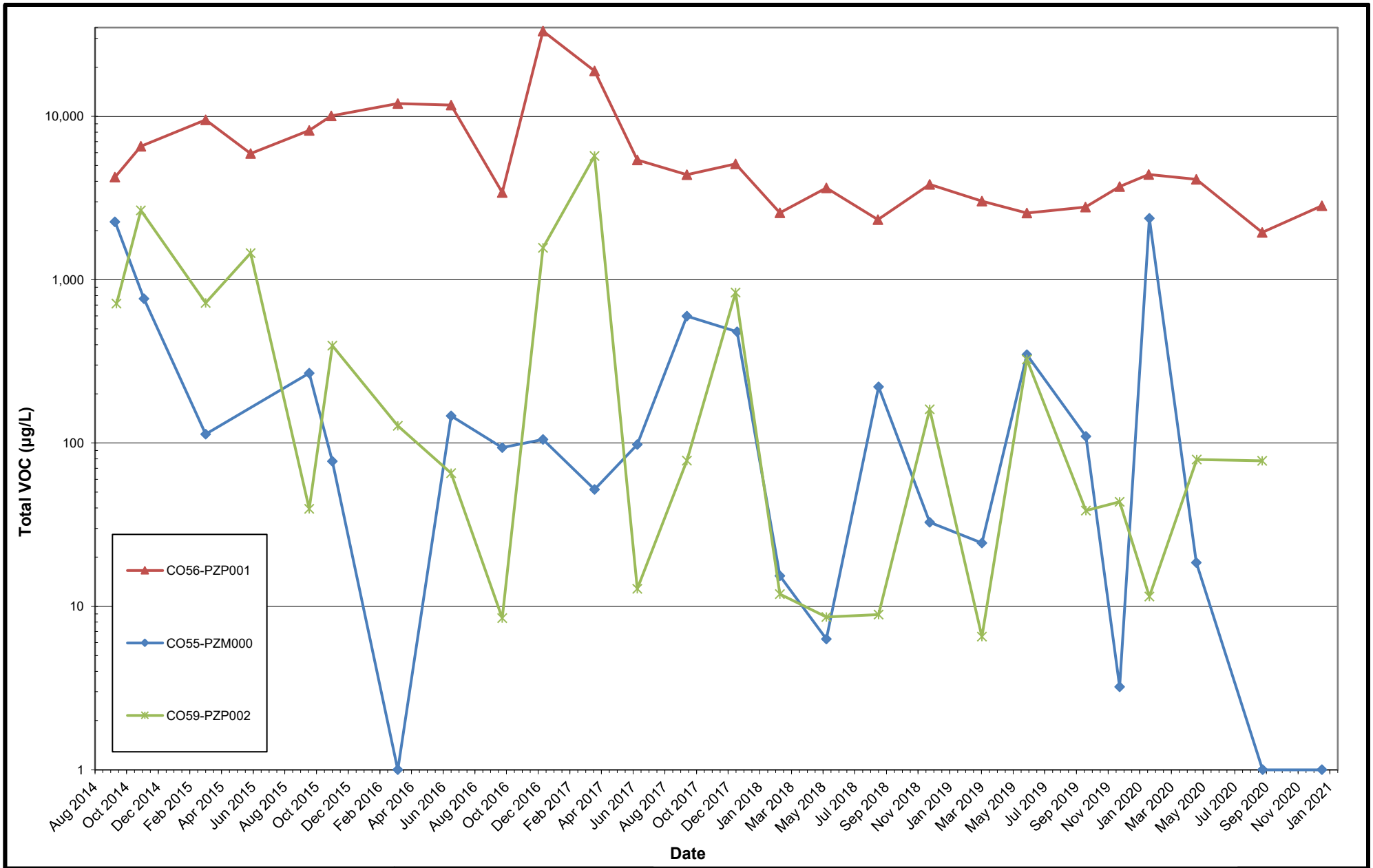
Former Coke Oven Area
Tradepoint Atlantic

Sparrows Point, Maryland

Total VOCs in Cell 5 Groundwater Injection-Area Monitoring Wells

February 2, 2021

Figure C5-11



ARM Group LLC
Engineers and Scientists

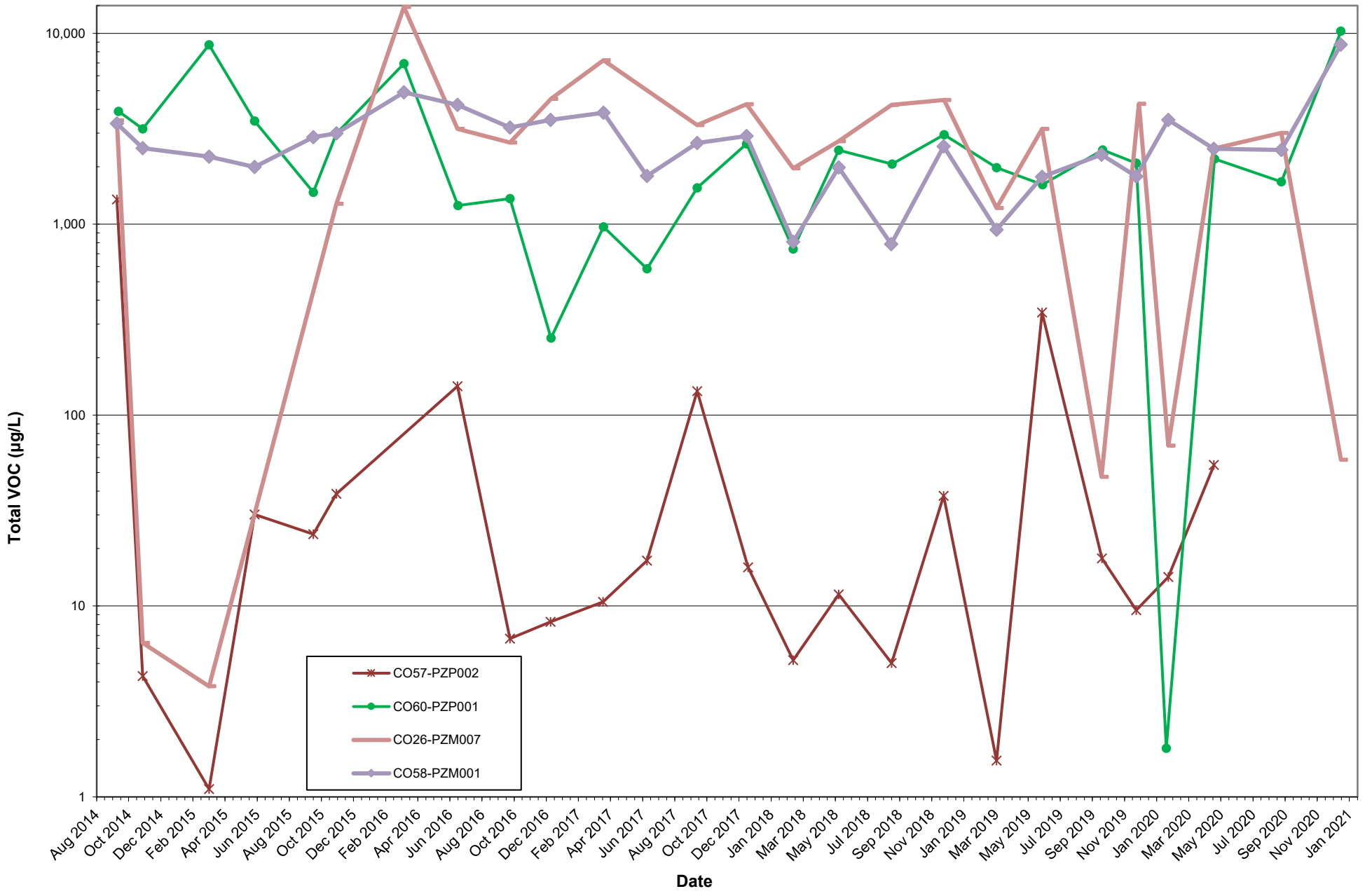
Former Coke Oven Area
Tradepoint Atlantic

Sparrows Point, Maryland

Total VOCs in Cell 5 Groundwater Recovery-Area Monitoring Wells

February 2, 2021

Figure C5-12



ARM Group LLC
Engineers and Scientists

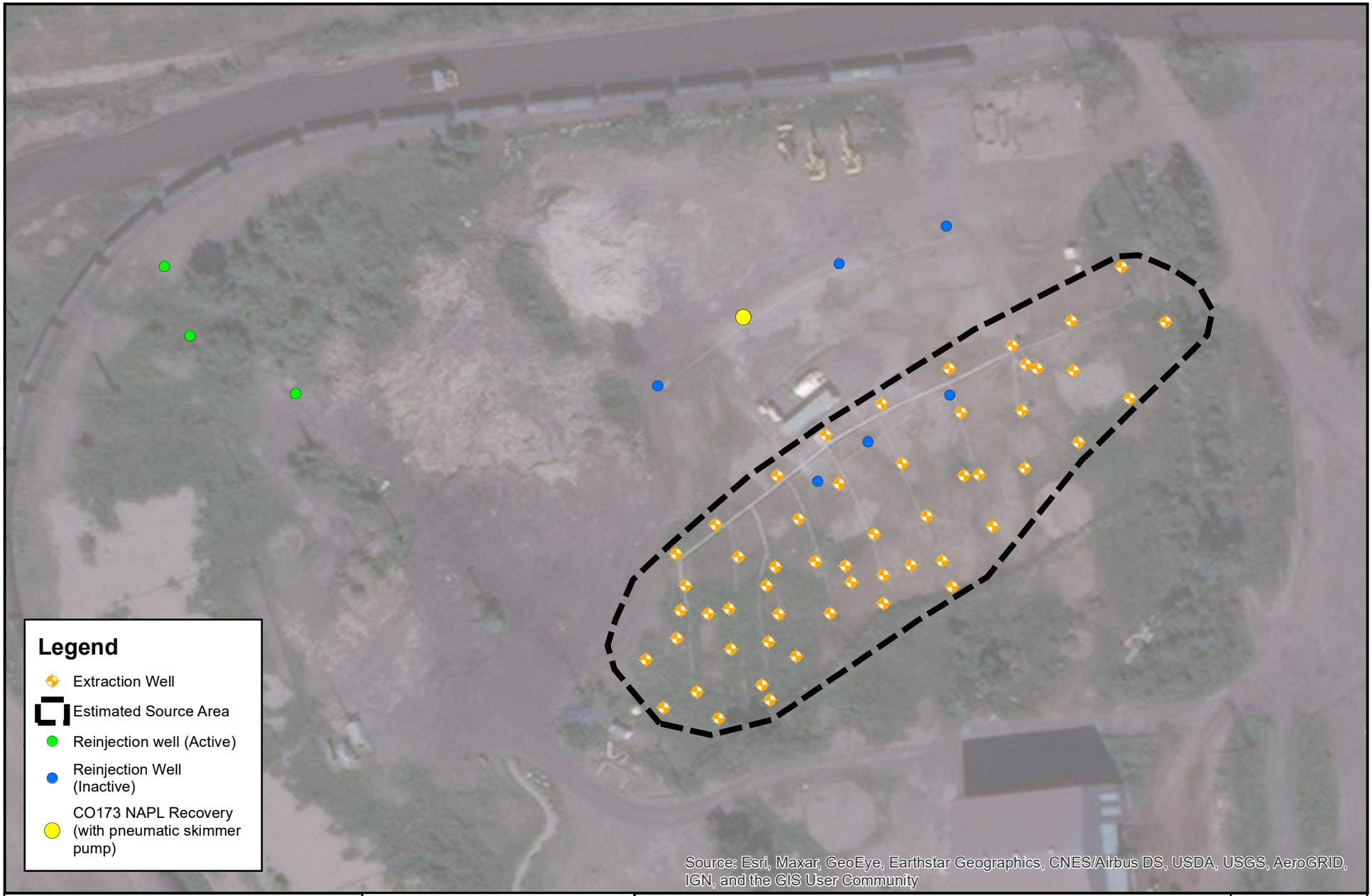
Former Coke Oven Area
Tradepoint Atlantic

Sparrows Point, Maryland

Total VOCs in Cell 5 Groundwater Perimeter Monitoring Wells

February 2, 2021

Figure C5-13



N

ARM Group LLC
Engineers and Scientists

1 inch = 100 feet

0 50 100
Feet

Former Coke Oven Area
Cell 6 System Layout
MPE Monitoring and Recovery System
Date: 1/27/2021

Figure C6-1

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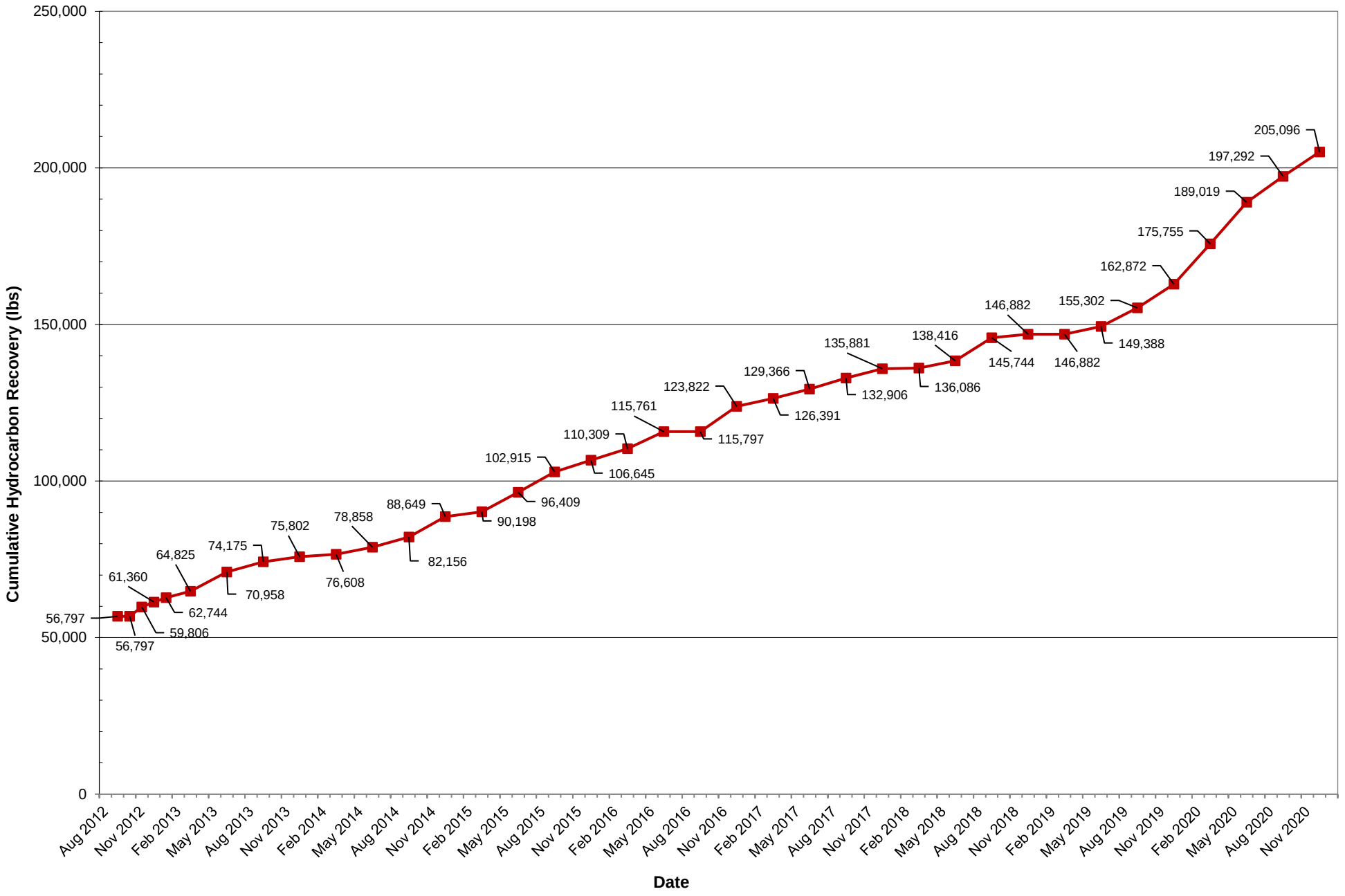


ARM Group LLC
Engineers and Scientists

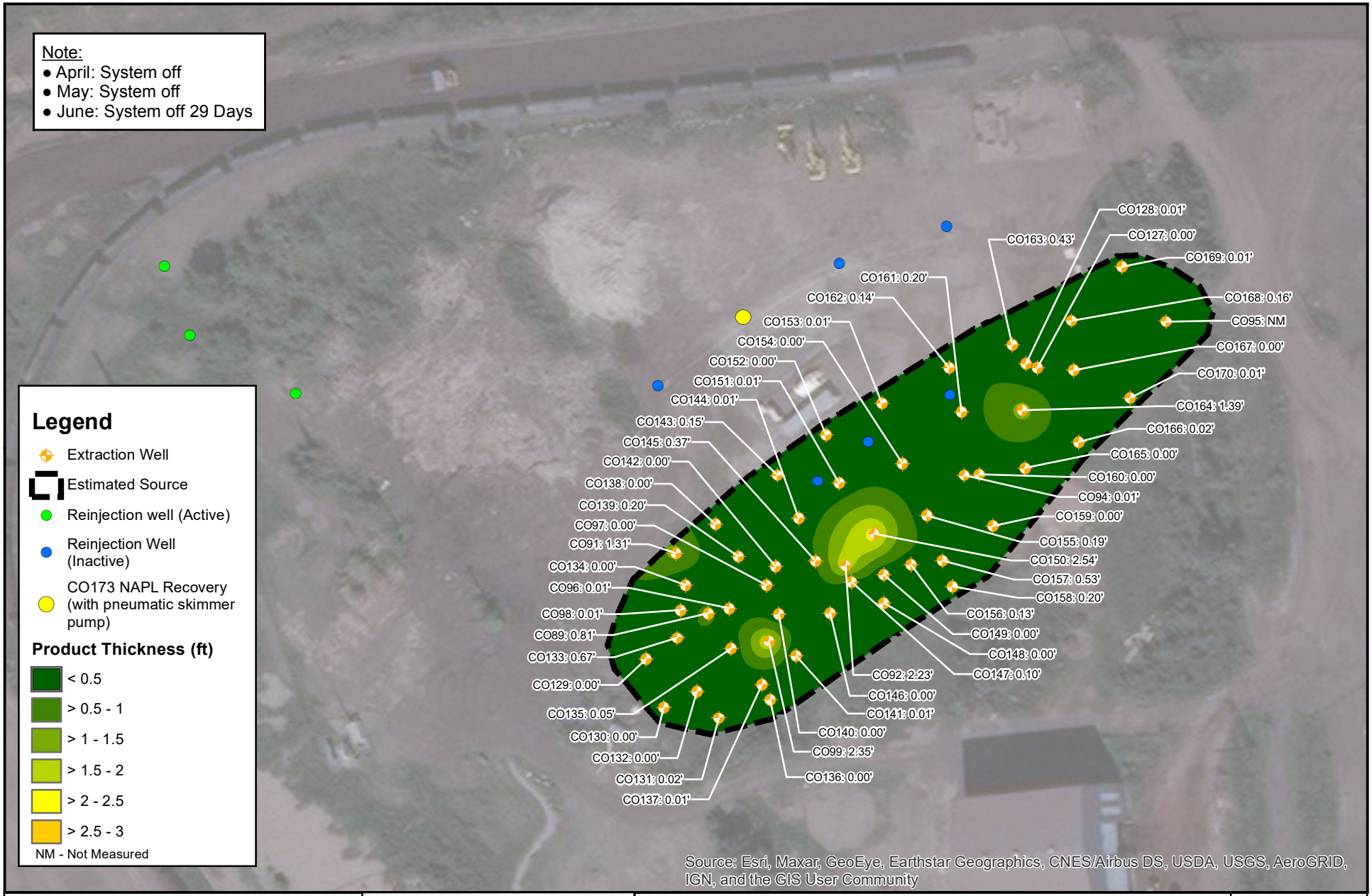
Former Coke Oven Area
Tradepoint Atlantic

Sparrows Point, Maryland

Cumulative Hydrocarbon Recovery (lbs)
Cell 6

January 22, 2021

Figure
C6-2



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N

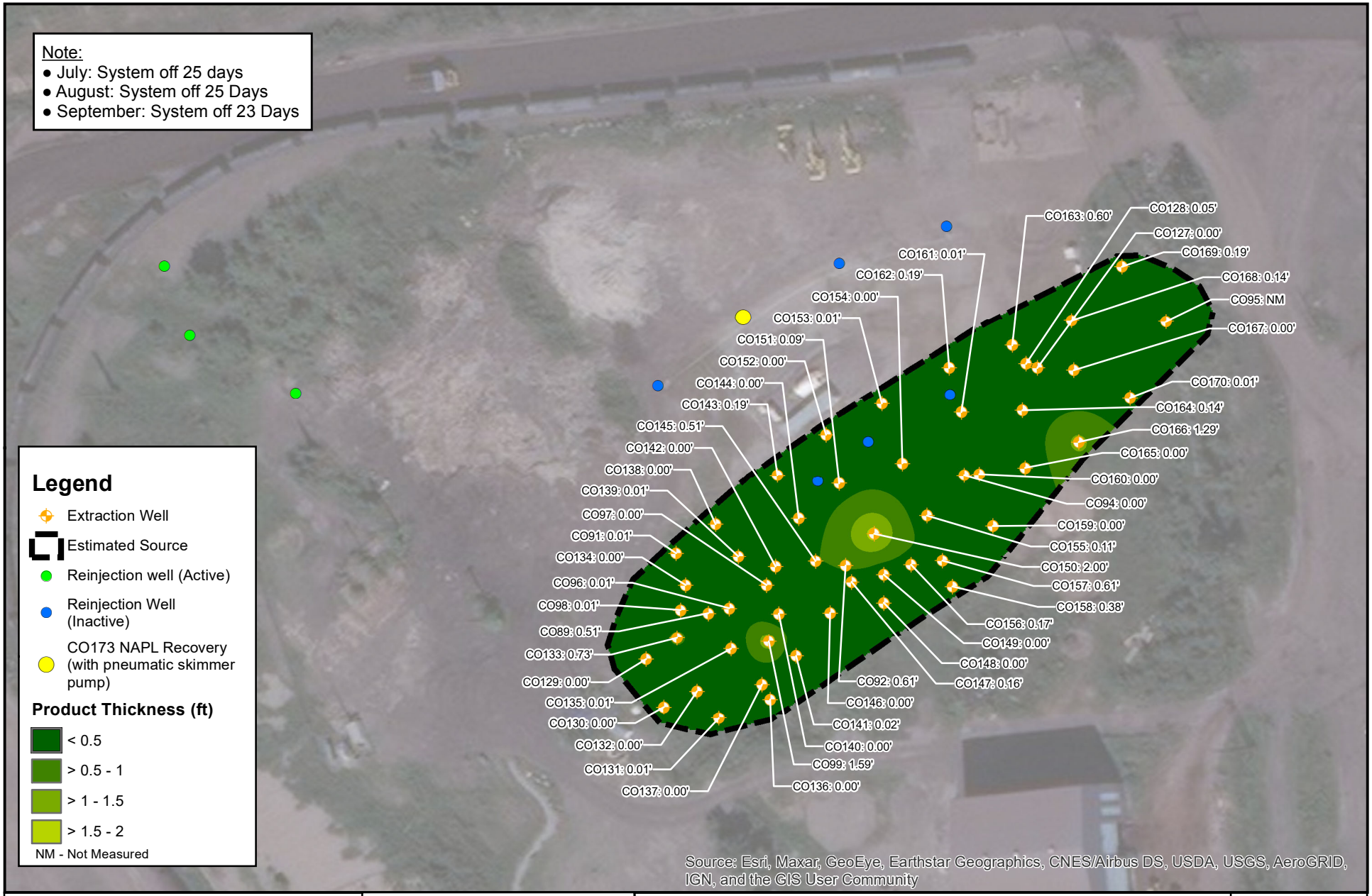
ARM Group LLC
Engineers and Scientists

1 inch = 100 feet

0 50 100 Feet

Former Coke Oven Area
Cell 6 Extraction Wells
Q2 2020 Average Product Thickness
Date: 1/27/2021

Figure C6-3



N

ARM Group LLC
Engineers and Scientists

1 inch = 100 feet

0 50 100 Feet

Former Coke Oven Area
Cell 6 Extraction Wells
Q3 2020 Average Product Thickness

Date: 1/27/2021

Figure C6-4

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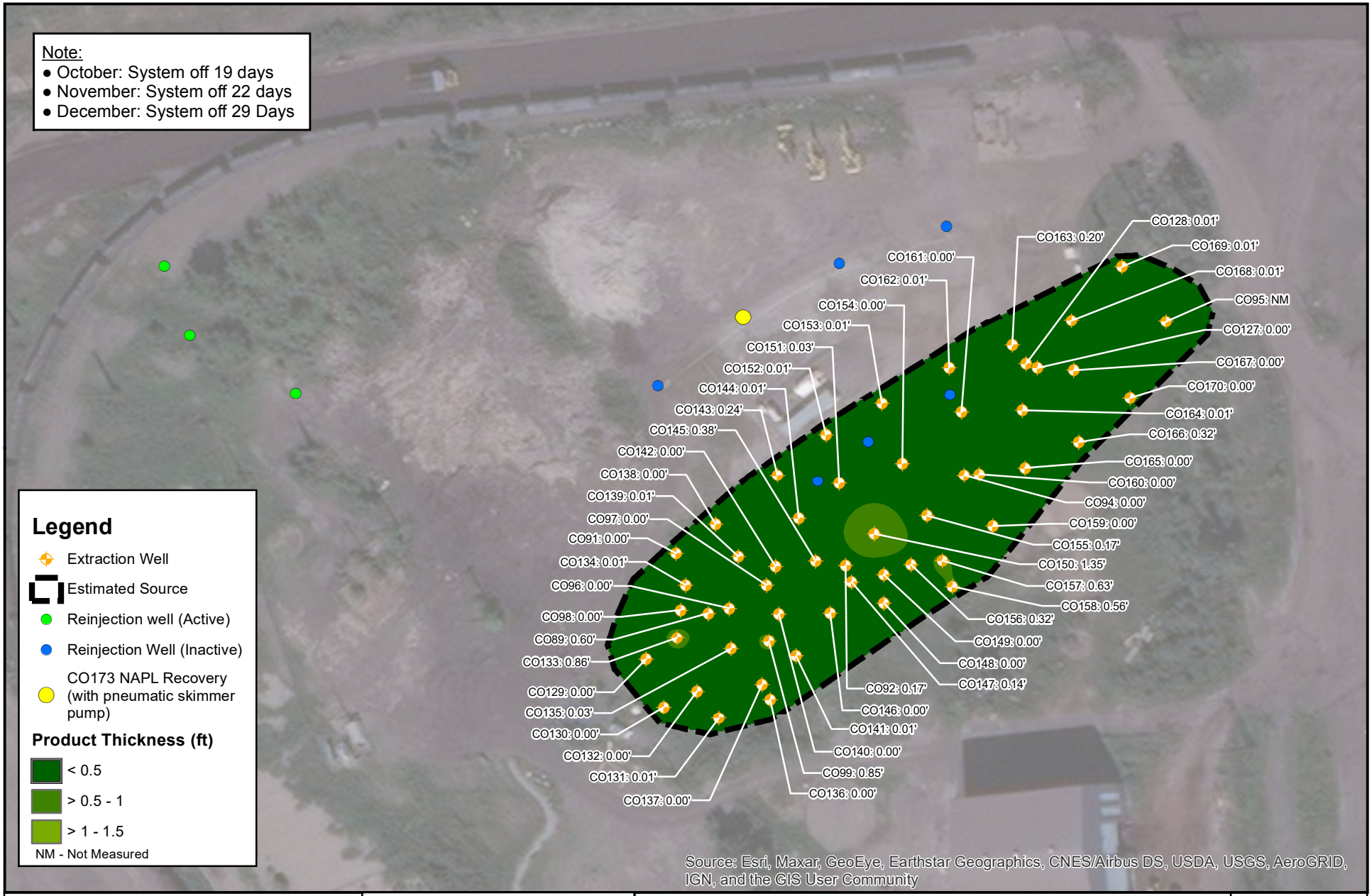

N

ARM Group LLC
Engineers and Scientists

1 inch = 100 feet

0 50 100 Feet

Former Coke Oven Area
Cell 6 Extraction Wells
Q4 2020 Average Product Thickness (ft)

Date: 1/27/2021

Figure C6-5

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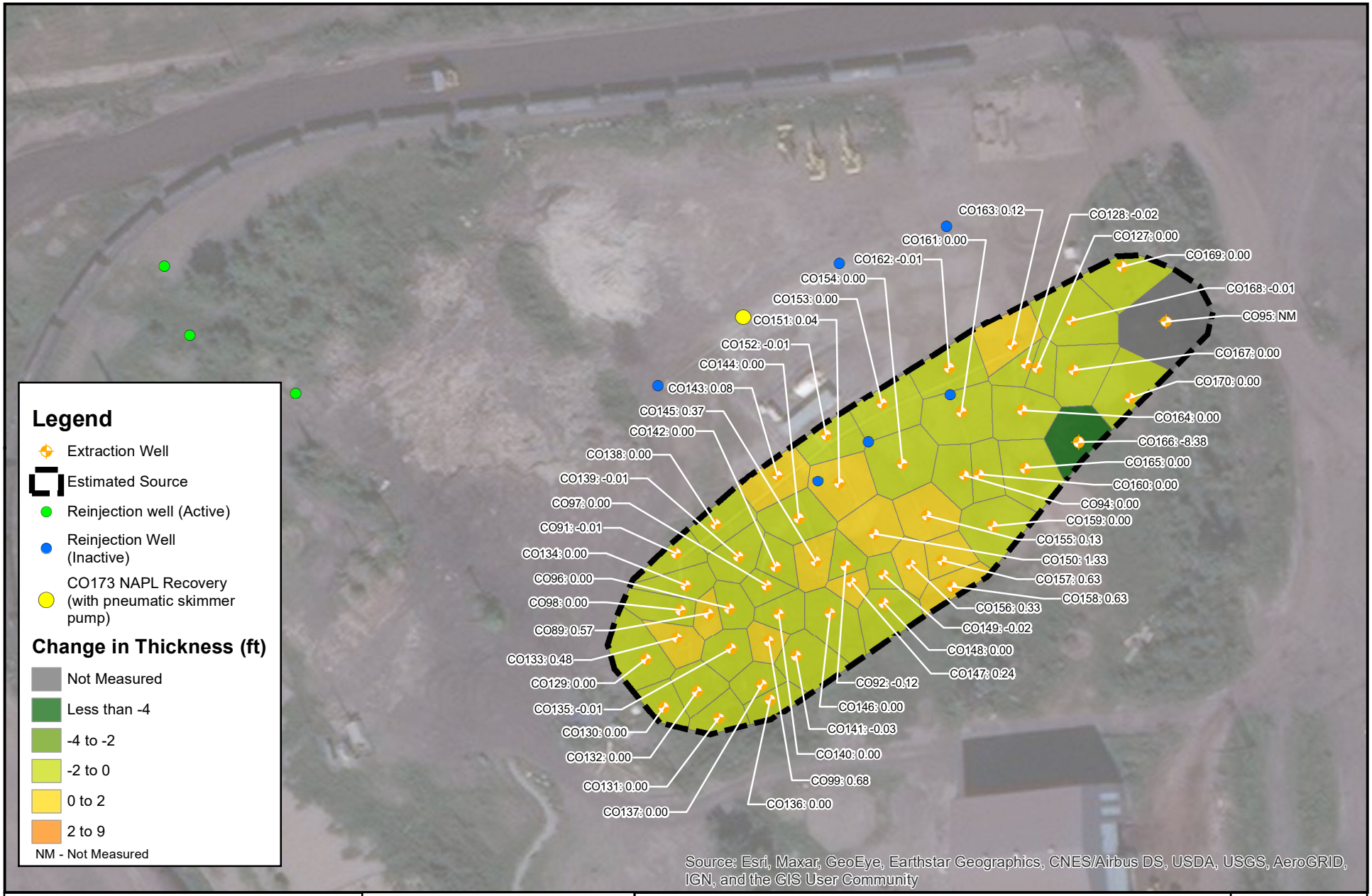

N

ARM Group LLC
Engineers and Scientists

1 inch = 100 feet

0 50 100 Feet

Former Coke Oven Area: Cell 6 Change in Average Product Thickness from Q4 2019 to Q4 2020

Date: 1/27/2021

Figure C6-6

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TABLES

Table C1-1: Summary of Operation Conditions
Cell 1: Prototype AS/SVE System in Former Benzol Processing Area

Cell 1 2020 Estimated Hydrocarbon Recovery

Parameter	Units	Q1 1/1 - 3/31	Q2 4/1 - 6/30	Q3 7/1 - 9/30	Q4 10/1 - 12/31	Total/Average 1/1 - 12/31
Flow Rate	SCFM	359	360	356	366	360
Average Concentrations	ug/m^3	22,730	319,491	5,184	100,335	111,935
Estimated Hydrocarbon Destruction/Removal Rate	pounds/hour	0.031	0.431	0.007	0.137	0.151
Total VGAC Operating Time	hours	1,900	1,834	860	225	4,819
Overall VGAC Operational Time	%	87.0%	84.0%	38.9%	10.2%	55.0%
Estimated Total Hydrocarbons Destroyed/Removed	pounds	58.0	790	5.95	30.9	885

NS = Not Sampled

Cell 1 Cumulative Summary of Estimated Hydrocarbon Recovery

August 3, 2010 - December 31, 2020

Parameter	Units	Quantity
Total VGAC Operating Time	hours	43,405
Overall VGAC Operational Time	%	47.5%
Estimated Total Hydrocarbons Destroyed/Removed	pounds	16,180
Estimated Hydrocarbon Destruction/Removal Rate	pounds/hour	0.3728

Table C1-2 - VGAC Influent Analytical Results
Cell 1: AS/SVE System in Former Benzol Processing Area

Month		January	February	March
Analyte (TO-15 Organics)	**Units**			
1,1,1-Trichloroethane	ug/m^3	*975 U*	*60.9 U*	*55.9 U*
1,1,2,2-Tetrachloroethane	ug/m^3	*613 U*	*38.3 U*	*35.2 U*
1,1,2-Trichloroethane	ug/m^3	*488 U*	*30.5 U*	*28.0 U*
1,1,2-Trichlorotrifluoroethane	ug/m^3	*1370 U*	*85.6 U*	*78.6 U*
1,1-Dichloroethane	ug/m^3	*723 U*	*45.2 U*	*41.5 U*
1,1-Dichloroethene	ug/m^3	*708 U*	*111 U*	*40.6 U*
1,2,3-Trimethylbenzene	ug/m^3	*878 U*	*54.8 U*	*50.3 U*
1,2,4-Trichlorobenzene	ug/m^3	*6620 U*	*414 U*	*380 U*
1,2,4-Trimethylbenzene	ug/m^3	**945**	*54.8 U*	*50.3 U*
1,2-Dibromoethane (EDB)	ug/m^3	*686 U*	*42.9 U*	*39.4 U*
1,2-Dichlorobenzene	ug/m^3	*1070 U*	*67.0 U*	*61.5 U*
1,2-Dichloroethane	ug/m^3	*361 U*	*22.6 U*	*20.7 U*
1,2-Dichloropropane	ug/m^3	*825 U*	*51.6 U*	*47.3 U*
1,3,5-Trimethylbenzene	ug/m^3	*878 U*	*54.8 U*	*50.3 U*
1,3-Dichlorobenzene	ug/m^3	*1070 U*	*67.0 U*	*61.5 U*
1,4-Dichlorobenzene	ug/m^3	*2690 U*	*168 U*	*154 U*
1,4-Dioxane (p-Dioxane)	ug/m^3	*3210 U*	*201 U*	*184 U*
2-Butanone (MEK)	ug/m^3	*2640 U*	*165 U*	*151 U*
2-Hexanone	ug/m^3	*3650 U*	*228 U*	*210 U*
4-Methyl-2-pentanone (MIBK)	ug/m^3	*3650 U*	*228 U*	*210 U*
Acetone	ug/m^3	*2120 U*	*331 U*	*121 U*
Benzene	ug/m^3	**13200**	**43600**	**4010**
Bromodichloromethane	ug/m^3	*1190 U*	*74.7 U*	*68.5 U*
Bromoform	ug/m^3	*4610 U*	*288 U*	*265 U*
Bromomethane	ug/m^3	*693 U*	*43.3 U*	*39.8 U*
Carbon disulfide	ug/m^3	*556 U*	*34.8 U*	*31.9 U*
Carbon tetrachloride	ug/m^3	*1120 U*	*70.3 U*	*64.5 U*
Chlorobenzene	ug/m^3	*822 U*	*51.4 U*	*47.2 U*
Chloroethane	ug/m^3	*471 U*	*29.4 U*	*27.0 U*
Chloroform	ug/m^3	*436 U*	*27.2 U*	*25.0 U*
Chloromethane	ug/m^3	*369 U*	*23.1 U*	*21.2 U*
cis-1,2-Dichloroethene	ug/m^3	*708 U*	*44.2 U*	*40.6 U*
cis-1,3-Dichloropropene	ug/m^3	*811 U*	*50.7 U*	*46.5 U*
Cyclohexane	ug/m^3	*1540 U*	*96.1 U*	*88.2 U*
Dibromochloromethane	ug/m^3	*1520 U*	*95.0 U*	*87.2 U*
Dichlorodifluoromethane	ug/m^3	*887 U*	*55.4 U*	*50.9 U*
Ethylbenzene	ug/m^3	*776 U*	*48.5 U*	*44.5 U*
Hexachloro-1,3-butadiene	ug/m^3	*4760 U*	*298 U*	*273 U*
Isopropylbenzene (Cumene)	ug/m^3	*2200 U*	*137 U*	*126 U*
Methylene Chloride	ug/m^3	*3100 U*	*194 U*	*178 U*
Methyl-tert-butyl ether	ug/m^3	*3210 U*	*201 U*	*184 U*
Naphthalene	ug/m^3	*2340 U*	*146 U*	*134 U*
Styrene	ug/m^3	*761 U*	*47.5 U*	*43.6 U*
Tetrachloroethene	ug/m^3	*605 U*	*37.8 U*	*34.7 U*
Toluene	ug/m^3	**2120**	**718**	**86**
trans-1,2-Dichloroethene	ug/m^3	*708 U*	*44.2 U*	*40.6 U*
trans-1,3-Dichloropropene	ug/m^3	*811 U*	*50.7 U*	*46.5 U*
Trichloroethene	ug/m^3	*480 U*	*30.0 U*	*27.5 U*
Trichlorofluoromethane	ug/m^3	*1000 U*	*62.6 U*	*57.5 U*
Vinyl chloride	ug/m^3	*228 U*	*14.3 U*	*13.1 U*
Xylene (Total)	ug/m^3	**3510**	*145 U*	*134 U*
Total Volatile Organics	ug/m^3	**19,775**	**44,318**	**4,096**

Notes:

BOLD = Analyte detected

ug/m^3 = micro grams per cubic meter

U = Non-detect

NS = Not Sampled

Table C1-2 - VGAC Influent Analytical Results
Cell 1: AS/SVE System in Former Benzol Processing Area

Month		April	May	June
Analyte (TO-15 Organics)	**Units**			
1,1,1-Trichloroethane	ug/m^3	*146 U*	*572 U*	*622 U*
1,1,2,2-Tetrachloroethane	ug/m^3	*91.6 U*	*359 U*	*391 U*
1,1,2-Trichloroethane	ug/m^3	*72.8 U*	*286 U*	*311 U*
1,1,2-Trichlorotrifluoroethane	ug/m^3	*205 U*	*803 U*	*874 U*
1,1-Dichloroethane	ug/m^3	*108 U*	*424 U*	*461 U*
1,1-Dichloroethene	ug/m^3	*106 U*	*415 U*	*451 U*
1,2,3-Trimethylbenzene	ug/m^3	*131 U*	*1290 U*	*559 U*
1,2,4-Trichlorobenzene	ug/m^3	*989 U*	*3880 U*	*4220 U*
1,2,4-Trimethylbenzene	ug/m^3	*131 U*	*514 U*	*559 U*
1,2-Dibromoethane (EDB)	ug/m^3	*102 U*	*402 U*	*437 U*
1,2-Dichlorobenzene	ug/m^3	*160 U*	*1570 U*	*683 U*
1,2-Dichloroethane	ug/m^3	*53.9 U*	*212 U*	*230 U*
1,2-Dichloropropane	ug/m^3	*123 U*	*484 U*	*526 U*
1,3,5-Trimethylbenzene	ug/m^3	*131 U*	*514 U*	*559 U*
1,3-Dichlorobenzene	ug/m^3	*160 U*	*628 U*	*683 U*
1,4-Dichlorobenzene	ug/m^3	*401 U*	*1580 U*	*1710 U*
1,4-Dioxane (p-Dioxane)	ug/m^3	*480 U*	*1880 U*	*2050 U*
2-Butanone (MEK)	ug/m^3	*394 U*	*1540 U*	*1680 U*
2-Hexanone	ug/m^3	*546 U*	*2140 U*	*2330 U*
4-Methyl-2-pentanone (MIBK)	ug/m^3	*546 U*	*2140 U*	*2330 U*
Acetone	ug/m^3	*792 U*	*3110 U*	*3380 U*
Benzene	ug/m^3	**22900**	**35700**	**842000**
Bromodichloromethane	ug/m^3	*178 U*	*700 U*	*762 U*
Bromoform	ug/m^3	*689 U*	*2700 U*	*2940 U*
Bromomethane	ug/m^3	*104 U*	*406 U*	*442 U*
Carbon disulfide	ug/m^3	*83.0 U*	*326 U*	*354 U*
Carbon tetrachloride	ug/m^3	*168 U*	*659 U*	*717 U*
Chlorobenzene	ug/m^3	*123 U*	*482 U*	*524 U*
Chloroethane	ug/m^3	*70.3 U*	*276 U*	*300 U*
Chloroform	ug/m^3	*65.1 U*	*255 U*	*278 U*
Chloromethane	ug/m^3	*55.1 U*	*216 U*	*235 U*
cis-1,2-Dichloroethene	ug/m^3	*106 U*	*415 U*	*451 U*
cis-1,3-Dichloropropene	ug/m^3	*121 U*	*475 U*	*517 U*
Cyclohexane	ug/m^3	*230 U*	*901 U*	*980 U*
Dibromochloromethane	ug/m^3	*227 U*	*891 U*	*969 U*
Dichlorodifluoromethane	ug/m^3	*133 U*	*520 U*	*566 U*
Ethylbenzene	ug/m^3	*116 U*	*455 U*	**551**
Hexachloro-1,3-butadiene	ug/m^3	*711 U*	*2790 U*	*3040 U*
Isopropylbenzene (Cumene)	ug/m^3	*328 U*	*1290 U*	*1400 U*
Methylene Chloride	ug/m^3	*463 U*	*1820 U*	*1980 U*
Methyl-tert-butyl ether	ug/m^3	*480 U*	*1880 U*	*2050 U*
Naphthalene	ug/m^3	*349 U*	*1370 U*	**9190**
Styrene	ug/m^3	*114 U*	*446 U*	*485 U*
Tetrachloroethene	ug/m^3	*90.4 U*	*355 U*	*386 U*
Toluene	ug/m^3	**679**	**643**	**44400**
trans-1,2-Dichloroethene	ug/m^3	*106 U*	*415 U*	*451 U*
trans-1,3-Dichloropropene	ug/m^3	*121 U*	*475 U*	*517 U*
Trichloroethene	ug/m^3	*71.6 U*	*281 U*	*306 U*
Trichlorofluoromethane	ug/m^3	*150 U*	*587 U*	*638 U*
Vinyl chloride	ug/m^3	*34.1 U*	*268 U*	*146 U*
Xylene (Total)	ug/m^3	*348 U*	*1360 U*	**2410**
Total Volatile Organics	ug/m^3	**23,579**	**36,343**	**898,551**

Notes:

BOLD = Analyte detected

ug/m^3 = micro grams per cubic meter

U = Non-detect

NS = Not Sampled

Table C1-2 - VGAC Influent Analytical Results
Cell 1: AS/SVE System in Former Benzol Processing Area

Month		July	August	September
Analyte (TO-15 Organics)	**Units**			
1,1,1-Trichloroethane	ug/m^3	**47.6**	**75.6**	*109 U*
1,1,2,2-Tetrachloroethane	ug/m^3	*1.1 U*	*34.3 U*	*68.7 U*
1,1,2-Trichloroethane	ug/m^3	*0.89 U*	*27.3 U*	*54.6 U*
1,1,2-Trichlorotrifluoroethane	ug/m^3	*2.5 U*	*76.8 U*	*154 U*
1,1-Dichloroethane	ug/m^3	*1.3 U*	*40.5 U*	*81.0 U*
1,1-Dichloroethene	ug/m^3	*1.3 U*	*39.7 U*	*79.3 U*
1,2,3-Trimethylbenzene	ug/m^3	*1.6 U*	*49.2 U*	*NS*
1,2,4-Trichlorobenzene	ug/m^3	*12.1 U*	*371 U*	*742 U*
1,2,4-Trimethylbenzene	ug/m^3	*1.6 U*	*49.2 U*	*98.3 U*
1,2-Dibromoethane (EDB)	ug/m^3	*1.3 U*	*38.4 U*	*76.9 U*
1,2-Dichlorobenzene	ug/m^3	*2.0 U*	*60.0 U*	*120 U*
1,2-Dichloroethane	ug/m^3	*0.66 U*	*20.2 U*	*40.4 U*
1,2-Dichloropropane	ug/m^3	*1.5 U*	*46.2 U*	*92.4 U*
1,3,5-Trimethylbenzene	ug/m^3	**3.4**	*49.2 U*	*98.3 U*
1,3-Dichlorobenzene	ug/m^3	*2.0 U*	*60.0 U*	*120 U*
1,4-Dichlorobenzene	ug/m^3	*4.9 U*	*151 U*	*301 U*
1,4-Dioxane (p-Dioxane)	ug/m^3	*5.9 U*	*180 U*	*NS*
2-Butanone (MEK)	ug/m^3	**5**	*148 U*	*295 U*
2-Hexanone	ug/m^3	*6.7 U*	*205 U*	*409 U*
4-Methyl-2-pentanone (MIBK)	ug/m^3	*6.7 U*	*205 U*	*409 U*
Acetone	ug/m^3	**12.2**	*297 U*	*594 U*
Benzene	ug/m^3	**3340**	**6430**	**43200**
Bromodichloromethane	ug/m^3	*2.2 U*	*66.9 U*	*134 U*
Bromoform	ug/m^3	*8.5 U*	*258 U*	*517 U*
Bromomethane	ug/m^3	*1.3 U*	*38.8 U*	*77.6 U*
Carbon disulfide	ug/m^3	*1.0 U*	*31.1 U*	*62.3 U*
Carbon tetrachloride	ug/m^3	*2.1 U*	*63.0 U*	*126 U*
Chlorobenzene	ug/m^3	*1.5 U*	*46.1 U*	*92.1 U*
Chloroethane	ug/m^3	*0.86 U*	*26.4 U*	*52.7 U*
Chloroform	ug/m^3	*0.80 U*	*24.4 U*	*48.8 U*
Chloromethane	ug/m^3	*0.68 U*	*20.7 U*	*41.3 U*
cis-1,2-Dichloroethene	ug/m^3	*1.3 U*	*39.7 U*	*79.3 U*
cis-1,3-Dichloropropene	ug/m^3	*1.5 U*	*45.4 U*	*90.8 U*
Cyclohexane	ug/m^3	*2.8 U*	*86.1 U*	*172 U*
Dibromochloromethane	ug/m^3	*2.8 U*	*85.1 U*	*170 U*
Dichlorodifluoromethane	ug/m^3	**2.8**	*49.7 U*	*99.4 U*
Ethylbenzene	ug/m^3	**9.4**	*43.4 U*	*86.9 U*
Hexachloro-1,3-butadiene	ug/m^3	*8.7 U*	*267 U*	*533 U*
Isopropylbenzene (Cumene)	ug/m^3	*4.0 U*	*123 U*	*NS*
Methylene Chloride	ug/m^3	*5.7 U*	*174 U*	*347 U*
Methyl-tert-butyl ether	ug/m^3	*5.9 U*	*180 U*	*360 U*
Naphthalene	ug/m^3	*4.3 U*	*131 U*	**397**
Styrene	ug/m^3	*1.4 U*	*42.6 U*	*85.2 U*
Tetrachloroethene	ug/m^3	*1.1 U*	*33.9 U*	*136 U*
Toluene	ug/m^3	**193**	**165**	**396**
trans-1,2-Dichloroethene	ug/m^3	*1.3 U*	*39.7 U*	*79.3 U*
trans-1,3-Dichloropropene	ug/m^3	*1.5 U*	*45.4 U*	*90.8 U*
Trichloroethene	ug/m^3	*0.88 U*	*26.9 U*	*53.7 U*
Trichlorofluoromethane	ug/m^3	**5.1**	*56.1 U*	*112 U*
Vinyl chloride	ug/m^3	*0.42 U*	*12.8 U*	*25.6 U*
Xylene (Total)	ug/m^3	**79.1**	*130 U*	*260.9 U*
Total Volatile Organics	ug/m^3	**3,698**	**6,671**	**43,993**

Notes:

BOLD = Analyte detected

ug/m^3 = micro grams per cubic meter

U = Non-detect

NS = Not Sampled

Table C1-2 - VGAC Influent Analytical Results
Cell 1: AS/SVE System in Former Benzol Processing Area

Month		October	November	December
Analyte (TO-15 Organics)	**Units**			
1,1,1-Trichloroethane	ug/m^3	*421 U*	**39.4**	*6480 U*
1,1,2,2-Tetrachloroethane	ug/m^3	*265 U*	*1.0 U*	*8150 U*
1,1,2-Trichloroethane	ug/m^3	*210 U*	*0.81 U*	*3240 U*
1,1,2-Trichlorotrifluoroethane	ug/m^3	*592 U*	*2.3 U*	*9110 U*
1,1-Dichloroethane	ug/m^3	*312 U*	*1.2 U*	*4800 U*
1,1-Dichloroethene	ug/m^3	*306 U*	*1.2 U*	*4700 U*
1,2,3-Trimethylbenzene	ug/m^3	*NS*	*NS*	*NS*
1,2,4-Trichlorobenzene	ug/m^3	*2860 U*	*11.0 U*	*44000 U*
1,2,4-Trimethylbenzene	ug/m^3	*379 U*	**4.3**	*5830 U*
1,2-Dibromoethane (EDB)	ug/m^3	*296 U*	*1.1 U*	*4560 U*
1,2-Dichlorobenzene	ug/m^3	*463 U*	*1.8 U*	*7120 U*
1,2-Dichloroethane	ug/m^3	*156 U*	*0.60 U*	*2400 U*
1,2-Dichloropropane	ug/m^3	*356 U*	*1.4 U*	*5480 U*
1,3,5-Trimethylbenzene	ug/m^3	*379 U*	**12.9**	*5830 U*
1,3-Dichlorobenzene	ug/m^3	*463 U*	*1.8 U*	*7120 U*
1,4-Dichlorobenzene	ug/m^3	*1160 U*	*4.5 U*	*17900 U*
1,4-Dioxane (p-Dioxane)	ug/m^3	*NS*	*NS*	*NS*
2-Butanone (MEK)	ug/m^3	*1140 U*	*4.4 U*	*17500 U*
2-Hexanone	ug/m^3	*1580 U*	*6.1 U*	*24300 U*
4-Methyl-2-pentanone (MIBK)	ug/m^3	*1580 U*	*6.1 U*	*24300 U*
Acetone	ug/m^3	*2290 U*	**24.4**	*35300 U*
Benzene	ug/m^3	**23600**	**73400**	**202000**
Bromodichloromethane	ug/m^3	*516 U*	*2.0 U*	*7940 U*
Bromoform	ug/m^3	*1990 U*	*7.7 U*	*30600 U*
Bromomethane	ug/m^3	*299 U*	*1.2 U*	*4610 U*
Carbon disulfide	ug/m^3	*240 U*	*0.92 U*	*3690 U*
Carbon tetrachloride	ug/m^3	*485 U*	*1.9 U*	*7470 U*
Chlorobenzene	ug/m^3	*355 U*	*1.4 U*	*5460 U*
Chloroethane	ug/m^3	*203 U*	*0.78 U*	*3130 U*
Chloroform	ug/m^3	*188 U*	*0.72 U*	*2900 U*
Chloromethane	ug/m^3	*159 U*	*0.61 U*	*2450 U*
cis-1,2-Dichloroethene	ug/m^3	*306 U*	*1.2 U*	*4700 U*
cis-1,3-Dichloropropene	ug/m^3	*350 U*	*1.3 U*	*5390 U*
Cyclohexane	ug/m^3	*664 U*	*2.6 U*	*10200 U*
Dibromochloromethane	ug/m^3	*656 U*	*2.5 U*	*10100 U*
Dichlorodifluoromethane	ug/m^3	*383 U*	**2.6**	*5900 U*
Ethylbenzene	ug/m^3	*335 U*	**86.4**	*5150 U*
Hexachloro-1,3-butadiene	ug/m^3	*2060 U*	*7.9 U*	*31600 U*
Isopropylbenzene (Cumene)	ug/m^3	*NS*	*NS*	*NS*
Methylene Chloride	ug/m^3	*1340 U*	*5.2 U*	*20600 U*
Methyl-tert-butyl ether	ug/m^3	*1390 U*	*5.3 U*	*21400 U*
Naphthalene	ug/m^3	*1010 U*	*3.9 U*	*15500 U*
Styrene	ug/m^3	*328 U*	*1.3 U*	*5050 U*
Tetrachloroethene	ug/m^3	*261 U*	*1.0 U*	*4020 U*
Toluene	ug/m^3	**764**	**779**	*4470 U*
trans-1,2-Dichloroethene	ug/m^3	*306 U*	*1.2 U*	*4700 U*
trans-1,3-Dichloropropene	ug/m^3	*350 U*	*1.3 U*	*13500 U*
Trichloroethene	ug/m^3	*207 U*	*0.80 U*	*3190 U*
Trichlorofluoromethane	ug/m^3	*432 U*	**4.3**	*6650 U*
Vinyl chloride	ug/m^3	*98.6 U*	*0.38 U*	*1520 U*
Xylene (Total)	ug/m^3	*1006 U*	**288**	*15450 U*
Total Volatile Organics	ug/m^3	**24,364**	**74,641**	**202,000**

Notes:

BOLD = Analyte detected

ug/m^3 = micro grams per cubic meter

U = Non-detect

NS = Not Sampled

Table C1-3
Cell 1 Groundwater Analytical Results

Sample ID		CO02-PZM006			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/4/2020	5/4/2020	9/1/2020	12/17/2020
Volatile Organic Compound	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone (MEK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	µg/L	*50 U*	*50 U*	*50 U*	**44.6**
Acrylonitrile	µg/L	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	µg/L	**191,000**	**93,000**	**133,000**	**134,000**
Bromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon disulfide	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon tetrachloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	µg/L	**253**	**276**	**218**	**248**
Iodomethane	µg/L	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tert-butyl ether (MTBE)	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	µg/L	**3.3**	*5 U*	*5 U*	*5 U*
Styrene	µg/L	**4.7**	**3.2**	**4**	*5 U*
Tetrachloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Toluene	µg/L	**69.4**	**103**	**46.7**	**99.1**
trans-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl chloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	µg/L	**329**	**460**	**229**	**252**
Total Volatile Organics	µg/L	**191,659**	**93,842**	**133,498**	**134,644**
Semi-Volatile Organic Compound	**Units**				
Naphthalene	µg/L	**422**	**242**	**175**	**173**

Notes:

Bold = Analyte Detected

µg/L = micrograms per liter

U = Analyte not detected above reporting limit

Table C1-3
Cell 1 Groundwater Analytical Results

Sample ID		CO18-PZM006			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/5/2020	5/4/2020	9/8/2020	12/28/2020
Volatile Organic Compound	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone (MEK)	µg/L	**20.6**	*50 U*	*50 U*	*50 U*
2-Hexanone	µg/L	**12.8**	**6.2**	*50 U*	*50 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	µg/L	**76.8**	**89.9**	*50 U*	*50 U*
Acrylonitrile	µg/L	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	µg/L	**518,000**	**415,000**	**494,000**	**510,000**
Bromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon disulfide	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon tetrachloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	µg/L	**1.4 J**	*5 U*	**1.4**	**1.5 J**
Chloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	µg/L	**84.6**	**70.1**	**73.4**	**93.8**
Iodomethane	µg/L	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tert-butyl ether (MTBE)	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	µg/L	**3.4**	*5 U*	*5 U*	*5 U*
Styrene	µg/L	**3.3**	**4.6**	*5 U*	**23.1**
Tetrachloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Toluene	µg/L	**19,300**	**20,400**	**10,500**	**18,100**
trans-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl chloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	µg/L	**2,090**	**1,890**	**1,600**	**2,410**
Total Volatile Organics	µg/L	**539,592**	**437,461**	**506,175**	**530,627**
Semi-Volatile Organic Compound	**Units**				
Naphthalene	µg/L	**395**	**177**	**150**	**427**

Notes:

Bold = Analyte Detected

µg/L = micrograms per liter

U = Analyte not detected above reporting limit

Table C1-3
Cell 1 Groundwater Analytical Results

Sample ID		CO93-PZM			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/5/2020	5/4/2020	9/8/2020	12/30/2020
Volatile Organic Compound	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone (MEK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	µg/L	**33.7**	*50 U*	*50 U*	*50 U*
Acrylonitrile	µg/L	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	µg/L	**182,000**	**168,000**	**183,000**	**154,000**
Bromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon disulfide	µg/L	**18.9**	**13.2**	**11.5**	**12**
Carbon tetrachloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	µg/L	**11.5**	*5 U*	*5 U*	*5 U*
Chloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	µg/L	**1,270**	**940**	**1,190**	**934**
Iodomethane	µg/L	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tert-butyl ether (MTBE)	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Styrene	µg/L	**1,390**	**1,020**	**1,290**	**1,090**
Tetrachloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Toluene	µg/L	**58,000**	**53,800**	**68,400**	**52,300**
trans-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl chloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	µg/L	**14,600**	**12,300**	**14,600**	**8,590**
Total Volatile Organics	µg/L	**257,324**	**236,073**	**268,492**	**216,926**
Semi-Volatile Organic Compound	**Units**				
Naphthalene	µg/L	**4,440**	**1,850**	**6,240**	**1,740**

Notes:

Bold = Analyte Detected

µg/L = micrograms per liter

U = Analyte not detected above reporting limit

Table C2-1
Cell 2 Monitoring Well Construction Information

Monitoring Well Designation	Monitoring Well Temporary Identification	Installation Method	Northing	Easting	Top of Casing Elevation	Protection Cover Type	Well Total Depth	Riser Length	Screen Length	Filter Pack Interval	Seal Interval	Grout Interval
CO27-PZM012	none	Hollow Stem Auger	563239.965	1454916.917	5.12	Unknown	15.00	5.00	10.00	3-15	1-3	0-1
CO27-PZM046	none	Hollow Stem Auger	563239.958	1454913.372	5.17	Unknown	49.00	39.00	10.00	37-49	34-37	0-34
CO36-PZM008	Cell 2 - MW1 (S)	Hollow Stem Auger	563212.310	1454571.760	6.94	Steel Riser	15.00	5.00	10.00	3-15	2-3	0-2
CO36-PZM043	Cell 2 - MW8 (I)	Hollow Stem Auger	563214.490	1454578.370	6.92	Steel Riser	50.00	30.00	20.00	28-50	27-28	0-27
CO37-PZM038	Cell 2 - MW9 (I)	Hollow Stem Auger	563268.500	1455154.680	12.12	Steel Riser	50.00	30.00	20.00	28-50	27-28	0-27
CO38-PZM006	Cell 2 - MW3 (S)	Hollow Stem Auger	563078.800	1454743.790	6.75	Steel Riser	13.00	3.00	10.00	2-13	1-2	0-1
CO38-PZM043	Cell 2 - MW10 (I)	Hollow Stem Auger	563078.330	1454737.750	6.65	Steel Riser	50.00	30.00	20.00	28-50	27-28	0-27
CO39-PZM007	Cell 2 - MW4 (S)	Hollow Stem Auger	563141.660	1455095.700	7.75	Steel Riser	15.00	5.00	10.00	3-15	2-3	0-2
CO39-PZM042	Cell 2 - MW11 (I)	Hollow Stem Auger	563140.070	1455089.800	7.91	Steel Riser	50.00	30.00	20.00	28-50	27-28	0-27
CO40-PZM008	Cell 2 - MW5 (S)	Hollow Stem Auger	563039.410	1455081.700	7.47	Steel Riser	15.00	5.00	10.00	3-15	2-3	0-2
CO41-PZM001	Cell 2 - MW6 (S)	Hollow Stem Auger	562873.180	1454953.000	13.57	Steel Riser	15.00	5.00	10.00	3-15	2-3	0-2
CO41-PZM036	Cell 2 - MW12 (I)	Hollow Stem Auger	562865.340	1454950.750	13.60	Steel Riser	50.00	30.00	20.00	28-50	27-28	0-27
CO42-PZM004	Cell 2 - MW7 (S)	Hollow Stem Auger	563177.720	1455458.510	10.83	Steel Riser	15.00	5.00	10.00	3-15	2-3	0-2

Table C2-2
Well Groundwater Elevations

Well ID	Temporary Well ID	Top of PVC Elevation (ft)	Aquifer	Well Depth from Ground Surface (ft)	2/4/20 - 2/6/20		5/5/20 - 5/14/20		8/31/2020 - 9/28/2020		12/15/2020 - 12/30/2020	
					Depth to Groundwater	Groundwater Elevation (ft)	Depth to Groundwater	Groundwater Elevation (ft)	Depth to Groundwater	Groundwater Elevation (ft)	Depth to Groundwater	Groundwater Elevation (ft)
CO27-PZM012	none	5.12	S		4.58	0.54	4.67	0.45	4.28	0.84	4.71	0.41
CO27-PZM046	none	5.17	I		8.43	-3.26	7.72	-2.55	6.24	-1.07	8.04	-2.87
CO36-PZM008	Cell 2 - MW1 (S)	6.94	S	15.00	6.78	0.16	6.58	0.36	6.36	0.58	6.82	0.12
CO36-PZM043	Cell 2 - MW8 (I)	6.92	I	50.00	7.42	-0.50	7.23	-0.31	6.87	0.05	7.50	-0.58
CO37-PZM038	Cell 2 - MW9 (I)	12.12	I	50.00	12.32	-0.20	11.72	0.4	11.70	0.42	12.19	-0.07
CO38-PZM006	Cell 2 - MW3 (S)	6.75	S	13.00	6.21	0.54	6.09	0.66	5.83	0.92	6.22	0.53
CO38-PZM043	Cell 2 - MW10 (I)	6.65	I	50.00	7.19	-0.54	6.92	-0.27	6.37	0.28	7.17	-0.52
CO39-PZM007	Cell 2 - MW4 (S)	7.75	S	15.00	6.57	1.18	5.8	1.95	6.31	1.44	5.43	2.32
CO39-PZM042	Cell 2 - MW11 (I)	7.91	I	50.00	8.68	-0.77	8.07	-0.16	7.60	0.31	8.27	-0.36
CO40-PZM008	Cell 2 - MW5 (S)	7.47	S	15.00	6.56	0.91	6.22	1.25	6.37	1.10	6.01	1.46
CO41-PZM001	Cell 2 - MW6 (S)	13.57	S	15.00	12.33	1.24	11.73	1.84	12.02	1.55	11.62	1.95
CO41-PZM036	Cell 2 - MW12 (I)	13.60	I	50.00	13.63	-0.03	13.26	0.34	12.95	0.65	13.61	-0.01
CO42-PZM004	Cell 2 - MW7 (S)	10.83	S	15.00	7.05	3.78	5.89	4.94	7.92	2.91	5.64	5.19
CO43-PZM048	Extraction Well 1	0.00	I	48.00	NM	NM	2.53	NM	NM	NM	NM	NM
CO44-PZM048	Extraction Well 2	0.00	I	48.00	NM	NM	3.22	NM	NM	NM	NM	NM
CO45-PZM047	Extraction Well 3	0.00	I	47.00	NM	NM	4.74	NM	NM	NM	NM	NM
CO46-PZM047	Extraction Well 4	0.00	I	47.00	NM	NM	5.1	NM	NM	NM	NM	NM
CO47-PZM046	Extraction Well 5	0.00	I	46.00	NM	NM	5.82	NM	NM	NM	NM	NM
CO48-PZM044	Extraction Well 6	0.00	I	44.00	NM	NM	5.9	NM	NM	NM	NM	NM

Notes:

I = Intermediate depth well

S = Water table well

NM = Not Measured

Table C2-3: Summary of Operation
Cell 2: Groundwater Pump Treat System

Parameter	Units	Q1 1/1 - 3/31	Q2 4/1 - 6/30	Q3 7/1 - 9/30	Q4 10/1 - 12/31	Total 1/1 - 12/31
Total Discharge	gallons	852,039	541,945	681,174	809,420	2,884,578
Extracted Total Concentrations	lbs/gal	2.66E-03	2.47E-03	1.97E-03	2.16E-03	9.26E-03
Effluent Total Concentrations	lbs/gal	2.23E-06	3.52E-06	6.59E-07	1.34E-06	7.75E-06
Extracted Hydrocarbons	lbs	2,269	1,337	1,343	1,745	6,695
Effluent Hydrocarbons	lbs	1.90	1.91	0.45	1.09	5.34
Total Hydrocarbons Removed	lbs	2,268	1,335	1,342	1,744	6,690

Table C2-4
Cell 2 Groundwater Analytical Results

Sample ID		CO27-PZM012			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/6/2020	5/5/2020	9/23/2020	12/29/2020
Volatile Organic Compound	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone (MEK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	µg/L	**36.4**	**28.3**	*50 U*	*50 U*
Acrylonitrile	µg/L	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	µg/L	**11,900**	**3,700**	**9,470**	**7,750**
Bromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon disulfide	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon tetrachloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	µg/L	**132**	**39.1**	**86.5**	**47.4**
Iodomethane	µg/L	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tert-butyl ether (MTBE)	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	µg/L	**4**	*5 U*	*5 U*	*5 U*
Styrene	µg/L	**136**	**29.4**	**75.6**	**38.3**
Tetrachloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Toluene	µg/L	**3,750**	**653**	**3,400**	**1,070**
trans-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl chloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	µg/L	**1,140**	**299**	**746**	**369**
Total Volatile Organics	µg/L	**17,098**	**4,749**	**13,778**	**9,275**
Semi-Volatile Organic Compound	**Units**				
Naphthalene	µg/L	**1,240**	**365**	**609**	**256**

Notes:
Bold = Analyte Detected
µg/L = micrograms per liter
U = Analyte not detected above reporting limit

Table C2-4
Cell 2 Groundwater Analytical Results

Sample ID		CO27-PZM046			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/6/2020	5/5/2020	9/23/2020	12/29/2020
Volatile Organic Compound	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone (MEK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	µg/L	**41.2**	**36.4**	*50 U*	**74.4**
Acrylonitrile	µg/L	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	µg/L	**31,000**	**28,200**	**18,800**	**18,400**
Bromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon disulfide	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon tetrachloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	µg/L	**273**	**207**	**95**	**81.4**
Iodomethane	µg/L	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tert-butyl ether (MTBE)	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	µg/L	**4.5**	*5 U*	*5 U*	*5 U*
Styrene	µg/L	**294**	**227**	**43.3**	**41.7**
Tetrachloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Toluene	µg/L	**4,910**	**5,620**	**3,270**	**5,120**
trans-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl chloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	µg/L	**1,970**	**1,640**	**1,240**	**843**
Total Volatile Organics	µg/L	**38,493**	**35,930**	**23,448**	**24,561**
Semi-Volatile Organic Compound	**Units**				
Naphthalene	µg/L	**1,580**	**1,120**	**516**	**327**

Notes:
Bold = Analyte Detected
µg/L = micrograms per liter
U = Analyte not detected above reporting limit

Table C2-4
Cell 2 Groundwater Analytical Results

Sample ID		CO36-PZM008			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/5/2020	5/5/2020	8/31/2020	12/29/2020
Volatile Organic Compound	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone (MEK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	µg/L	*50 U*	**29**	*50 U*	*50 U*
Acrylonitrile	µg/L	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	µg/L	**7,190**	**10,000**	**24,000**	**11,900**
Bromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon disulfide	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon tetrachloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	µg/L	**23.7**	**46.1**	**99.6**	**45.4**
Iodomethane	µg/L	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tert-butyl ether (MTBE)	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Styrene	µg/L	**7.5**	**12.9**	**27.3**	**14.3**
Tetrachloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Toluene	µg/L	**1,390**	**2,430**	**5,800**	**2,750**
trans-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl chloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	µg/L	**595**	**834**	**1,670**	**1,090**
Total Volatile Organics	µg/L	**9,206**	**13,352**	**31,597**	**15,800**
Semi-Volatile Organic Compound	**Units**				
Naphthalene	µg/L	**447**	**456**	**817**	**583**

Notes:
Bold = Analyte Detected
µg/L = micrograms per liter
U = Analyte not detected above reporting limit

Table C2-4
Cell 2 Groundwater Analytical Results

Sample ID		CO36-PZM043			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/5/2020	5/5/2020	8/31/2020	12/29/2020
Volatile Organic Compound	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone (MEK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	µg/L	**29.2**	**30.7**	*50 U*	*50 U*
Acrylonitrile	µg/L	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	µg/L	**21,600**	**16,400**	**7,910**	**22,000**
Bromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon disulfide	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon tetrachloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	µg/L	**68.7**	**45.5**	**13.1**	**45.8**
Iodomethane	µg/L	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tert-butyl ether (MTBE)	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	µg/L	**3.3**	*5 U*	*5 U*	*5 U*
Styrene	µg/L	**15.9**	**10.1**	**2.9**	**9.8**
Tetrachloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Toluene	µg/L	**4,080**	**2,330**	**1,130**	**3,110**
trans-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl chloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	µg/L	**1,020**	**675**	**375**	**730**
Total Volatile Organics	µg/L	**26,817**	**19,491**	**9,431**	**25,896**
Semi-Volatile Organic Compound	**Units**				
Naphthalene	µg/L	**764**	**566**	**191**	**527**

Notes:
Bold = Analyte Detected
µg/L = micrograms per liter
U = Analyte not detected above reporting limit

Table C2-4
Cell 2 Groundwater Analytical Results

Sample ID		CO37-PZM038			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/2/2020	5/6/2020	8/31/2020	12/29/2020
Volatile Organic Compound	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone (MEK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Acrylonitrile	µg/L	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	µg/L	**13,400**	**14,200**	**16,300**	**16,900**
Bromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon disulfide	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon tetrachloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	µg/L	**289**	**268**	**273**	**262**
Iodomethane	µg/L	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tert-butyl ether (MTBE)	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Styrene	µg/L	**448**	**425**	**436**	**431**
Tetrachloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Toluene	µg/L	**8,030**	**8,780**	**8,330**	**8,370**
trans-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl chloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	µg/L	**2,300**	**2,220**	**2,260**	**2,160**
Total Volatile Organics	µg/L	**24,467**	**25,893**	**27,599**	**28,123**
Semi-Volatile Organic Compound	**Units**				
Naphthalene	µg/L	**1,930**	**1,770**	**1,430**	**1,200**

Notes:
Bold = Analyte Detected
µg/L = micrograms per liter
U = Analyte not detected above reporting limit

Table C2-4
Cell 2 Groundwater Analytical Results

Sample ID		CO38-PZM006			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/6/2020	5/5/2020	8/31/2020	12/17/2020
Volatile Organic Compound	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,1-Dichloroethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,1-Dichloroethene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	µg/L	*25 U*	*5 U*	*25 U*	*25 U*
1,2-Dibromoethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,2-Dichloroethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,2-Dichloropropane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
2-Butanone (MEK)	µg/L	*50 U*	*10 U*	*50 U*	*50 U*
2-Hexanone	µg/L	*50 U*	**1.4**	*50 U*	*50 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*50 U*	*10 U*	*50 U*	*50 U*
Acetone	µg/L	**42.3**	**15**	*50 U*	**56.9**
Acrylonitrile	µg/L	*20 U*	*4 U*	*20 U*	*20 U*
Benzene	µg/L	**4,490**	**4,670**	**4,370**	**5,420**
Bromochloromethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Bromodichloromethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Bromoform	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Bromomethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Carbon disulfide	µg/L	**2.5**	*1 U*	*5 U*	*5 U*
Carbon tetrachloride	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Chlorobenzene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Chloroethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Chloroform	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Chloromethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Dibromochloromethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Dibromomethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Ethylbenzene	µg/L	**64**	**64**	**57.5**	**54.3**
Iodomethane	µg/L	*250 U*	*50 U*	*250 U*	*250 U*
Methyl tert-butyl ether (MTBE)	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Methylene Chloride	µg/L	**4.1**	*1 U*	*5 U*	*5 U*
Styrene	µg/L	**46.9**	**43.2**	**39.9**	**35.9**
Tetrachloroethene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Toluene	µg/L	**1,020**	**1,070**	**984**	**1,300**
trans-1,2-Dichloroethene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	µg/L	*25 U*	*5 U*	*25 U*	*25 U*
Trichloroethene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Trichlorofluoromethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Vinyl Acetate	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Vinyl chloride	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Xylenes	µg/L	**507**	**503**	**450**	**452**
Total Volatile Organics	µg/L	**6,177**	**6,367**	**5,901**	**7,319**
Semi-Volatile Organic Compound	**Units**				
Naphthalene	µg/L	**2,110**	**1,990**	**1,460**	**1,360**

Notes:
Bold = Analyte Detected
µg/L = micrograms per liter
U = Analyte not detected above reporting limit

Table C2-4
Cell 2 Groundwater Analytical Results

Sample ID		CO38-PZM043			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/6/2020	5/5/2020	8/31/2020	12/17/2020
Volatile Organic Compound	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone (MEK)	µg/L	**3.6**	**5.9**	*10 U*	*10 U*
2-Hexanone	µg/L	**2.8**	**3.3**	*10 U*	*10 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*10 U*	*10 U*	*10 U*	*10 U*
Acetone	µg/L	**9.1**	**27.6**	*10 U*	*10 U*
Acrylonitrile	µg/L	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	µg/L	**1.5**	**1.1**	*1 U*	*1 U*
Bromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Carbon disulfide	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Carbon tetrachloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	µg/L	**0.4**	*1 U*	**0.39**	**0.32**
Chloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Iodomethane	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Methyl tert-butyl ether (MTBE)	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Styrene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Tetrachloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Toluene	µg/L	**0.53**	*1 U*	*1 U*	*1 U*
trans-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	µg/L	*3 U*	*3 U*	*3 U*	*3 U*
Total Volatile Organics	µg/L	**17.9**	**37.9**	**0.39**	**0.32**
Semi-Volatile Organic Compound	**Units**				
Naphthalene	µg/L	*2 U*	*2 U*	*2 U*	*2 U*

Notes:
Bold = Analyte Detected
µg/L = micrograms per liter
U = Analyte not detected above reporting limit

Table C2-4
Cell 2 Groundwater Analytical Results

Sample ID		CO39-PZM007			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/5/2020	5/5/2020	8/31/2020	12/17/2020
Volatile Organic Compound	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,1-Dichloroethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,1-Dichloroethene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	µg/L	*25 U*	*5 U*	*25 U*	*25 U*
1,2-Dibromoethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,2-Dichloroethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,2-Dichloropropane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
2-Butanone (MEK)	µg/L	*50 U*	*10 U*	*50 U*	*50 U*
2-Hexanone	µg/L	*50 U*	**1.6 J**	*50 U*	*50 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*50 U*	*10 U*	*50 U*	*50 U*
Acetone	µg/L	*50 U*	**19.7**	*50 U*	**39.5**
Acrylonitrile	µg/L	*20 U*	*4 U*	*20 U*	*20 U*
Benzene	µg/L	**657**	**455**	**3,850**	**515**
Bromochloromethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Bromodichloromethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Bromoform	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Bromomethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Carbon disulfide	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Carbon tetrachloride	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Chlorobenzene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Chloroethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Chloroform	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Chloromethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Dibromochloromethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Dibromomethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Ethylbenzene	µg/L	**4.3**	**2**	**32.2**	*5 U*
Iodomethane	µg/L	*250 U*	*50 U*	*250 U*	*250 U*
Methyl tert-butyl ether (MTBE)	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Methylene Chloride	µg/L	**3.8**	*1 U*	*5 U*	*5 U*
Styrene	µg/L	**3.5**	**1.5**	**44.4**	*5 U*
Tetrachloroethene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Toluene	µg/L	**98.6**	**45**	**1,230**	**27.2**
trans-1,2-Dichloroethene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	µg/L	*25 U*	*5 U*	*25 U*	*25 U*
Trichloroethene	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Trichlorofluoromethane	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Vinyl Acetate	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Vinyl chloride	µg/L	*5 U*	*1 U*	*5 U*	*5 U*
Xylenes	µg/L	**32.7**	**11.9**	**265**	**6.8**
Total Volatile Organics	µg/L	**800**	**535**	**5,422**	**589**
Semi-Volatile Organic Compound	**Units**				
Naphthalene	µg/L	**1,120**	**251**	**1,550**	**548**

Notes:
Bold = Analyte Detected
µg/L = micrograms per liter
U = Analyte not detected above reporting limit

Table C2-4
Cell 2 Groundwater Analytical Results

Sample ID		CO39-PZM042			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/5/2020	5/5/2020	8/31/2020	12/17/2020
Volatile Organic Compound	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone (MEK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	µg/L	*50 U*	**30.1**	*50 U*	**51.7**
Acrylonitrile	µg/L	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	µg/L	**6,280**	**3,080**	**735**	**2,570**
Bromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon disulfide	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon tetrachloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	µg/L	**63.7**	**22.3**	**4.3**	**21.9**
Iodomethane	µg/L	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tert-butyl ether (MTBE)	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Styrene	µg/L	**93.6**	**29**	*5 U*	**26.8**
Tetrachloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Toluene	µg/L	**1,980**	**882**	**105**	**960**
trans-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl chloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	µg/L	**524**	**187**	**27.4**	**182**
Total Volatile Organics	µg/L	**8,941**	**4,230**	**872**	**3,812**
Semi-Volatile Organic Compound	**Units**				
Naphthalene	µg/L	**1,610**	**1,090**	**722**	**1,420 ML**

Notes:
Bold = Analyte Detected
µg/L = micrograms per liter
U = Analyte not detected above reporting limit

Table C2-4
Cell 2 Groundwater Analytical Results

Sample ID		CO40-PZM008			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/5/2020	5/5/2020	9/1/2020	12/29/2020
Volatile Organic Compound	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone (MEK)	µg/L	**1.7**	*10 U*	*10 U*	*10 U*
2-Hexanone	µg/L	**0.7**	*10 U*	*10 U*	*10 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*10 U*	*10 U*	*10 U*	*10 U*
Acetone	µg/L	**5.9**	**11**	*10 U*	*10 U*
Acrylonitrile	µg/L	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	µg/L	**3,250**	**629**	**799**	**1,450**
Bromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Carbon disulfide	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Carbon tetrachloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	µg/L	**48.6**	**5.8**	**5.7**	**4**
Iodomethane	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Methyl tert-butyl ether (MTBE)	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Styrene	µg/L	**46.2**	**5.1**	**4.1**	**3.2**
Tetrachloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Toluene	µg/L	**898**	**134**	**145**	**78**
trans-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	µg/L	**353**	**44.7**	**35.9**	**64.4**
Total Volatile Organics	µg/L	**4,604.1**	**830**	**990**	**1,600**
Semi-Volatile Organic Compound	**Units**				
Naphthalene	µg/L	**2,310**	**335**	**179**	**303**

Notes:
Bold = Analyte Detected
µg/L = micrograms per liter
U = Analyte not detected above reporting limit

Table C2-4
Cell 2 Groundwater Analytical Results

Sample ID		CO41-PZM001			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/2/2020	5/6/2020	9/1/2020	12/29/2020
Volatile Organic Compound	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone (MEK)	µg/L	*10 U*	*10 U*	*10 U*	*10 U*
2-Hexanone	µg/L	*10 U*	**0.63**	*10 U*	*10 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*10 U*	*10 U*	*10 U*	*10 U*
Acetone	µg/L	*10 U*	**10**	*10 U*	*10 U*
Acrylonitrile	µg/L	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	µg/L	**1,190**	**546**	**43.8**	**5.8**
Bromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Carbon disulfide	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Carbon tetrachloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	µg/L	**41.8**	**45.8**	**3.1**	*1 U*
Iodomethane	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Methyl tert-butyl ether (MTBE)	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Styrene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Tetrachloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Toluene	µg/L	**625**	**553**	**17**	**6.7**
trans-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	µg/L	**288**	**413**	**14.6**	**2.6**
Total Volatile Organics	µg/L	**2,144.8**	**1,568**	**78.5**	**15.1**
Semi-Volatile Organic Compound	**Units**				
Naphthalene	µg/L	**109**	**30.5**	*2 U*	*2 U*

Notes:
Bold = Analyte Detected
µg/L = micrograms per liter
U = Analyte not detected above reporting limit

Table C2-4
Cell 2 Groundwater Analytical Results

Sample ID		CO41-PZM036			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/2/2020	5/6/2020	9/1/2020	12/29/2020
Volatile Organic Compound	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	µg/L	**0.95**	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	µg/L	*5 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
2-Butanone (MEK)	µg/L	*10 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	µg/L	*10 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*10 U*	*50 U*	*50 U*	*50 U*
Acetone	µg/L	**6.5**	*50 U*	*50 U*	*50 U*
Acrylonitrile	µg/L	*4 U*	*20 U*	*20 U*	*20 U*
Benzene	µg/L	**196,000**	**206,000**	**231,000**	**251,000**
Bromochloromethane	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
Bromoform	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
Bromomethane	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
Carbon disulfide	µg/L	**2.1**	*5 U*	*5 U*	*5 U*
Carbon tetrachloride	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	µg/L	**3.1**	*5 U*	*5 U*	**3.2**
Chloroethane	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
Chloroform	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
Chloromethane	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	µg/L	**847**	**661**	**657**	**684**
Iodomethane	µg/L	*50 U*	*250 U*	*250 U*	*250 U*
Methyl tert-butyl ether (MTBE)	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
Styrene	µg/L	**446**	**370**	**356**	**422**
Tetrachloroethene	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
Toluene	µg/L	**66,600**	**67,600**	**71,100**	**76,200**
trans-1,2-Dichloroethene	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	µg/L	*5 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
Vinyl chloride	µg/L	*1 U*	*5 U*	*5 U*	*5 U*
Xylenes	µg/L	**16,100**	**13,500**	**13,600**	**14,500**
Total Volatile Organics	µg/L	**280,006**	**288,131**	**316,713**	**342,809**
Semi-Volatile Organic Compound	**Units**				
Naphthalene	µg/L	**380**	**325**	**295**	**357**

Notes:
Bold = Analyte Detected
µg/L = micrograms per liter
U = Analyte not detected above reporting limit

Table C2-4
Cell 2 Groundwater Analytical Results

Sample ID		CO42-PZM004			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/2/2020	5/5/2020	9/28/2020	12/30/2020
Volatile Organic Compound	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone (MEK)	µg/L	*10 U*	*10 U*	*10 U*	*10 U*
2-Hexanone	µg/L	*10 U*	*10 U*	*10 U*	*10 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*10 U*	*10 U*	*10 U*	*10 U*
Acetone	µg/L	*10 U*	**7.3**	*10 U*	*10 U*
Acrylonitrile	µg/L	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	µg/L	**81.2**	**3**	**187**	**6.1**
Bromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Carbon disulfide	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Carbon tetrachloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	µg/L	**8.4**	*1 U*	**42.1**	**2.1**
Iodomethane	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Methyl tert-butyl ether (MTBE)	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Styrene	µg/L	**4.4**	*1 U*	**33.5**	**1.4**
Tetrachloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Toluene	µg/L	**46.8**	**2.9**	**462**	**7**
trans-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	µg/L	**128**	**7.4**	**286**	**9.2**
Total Volatile Organics	µg/L	**269**	**20.6**	**1,011**	**25.8**
Semi-Volatile Organic Compound	**Units**				
Naphthalene	µg/L	**45.6**	**9.7**	**154**	**4.9**

Notes:
Bold = Analyte Detected
µg/L = micrograms per liter
U = Analyte not detected above reporting limit

Table C3-1: Summary of Operation Conditions
Cell 3: AS/SVE System in Coke Area

Cell 3 2020 Estimated Hydrocarbon Recovery

Parameter	Units	Q1 1/1 - 3/31	Q2 4/1 - 6/30	Q3 7/1 - 9/30	Q4 10/1 - 12/31	Total/Average 1/1 - 12/31
Flow Rate[1]	SCFM	37.5	52.9	55.2	66.3	53.0
Average Concentrations	ug/m^3	37,626	118,774	281,131	270,161	176,923
Estimated Hydrocarbon Destruction/Removal Rate	pounds/hour	0.005	0.024	0.058	0.067	0.039
Total VGAC Operating Time	hours	1,000	1,884	1,054	1,868	5,806
Overall VGAC Operational Time	%	45.8%	86.3%	47.7%	84.6%	66.1%
Estimated Total Hydrocarbons Destroyed/Removed	pounds	5.29	44.4	61.2	125	236

NS = Not Sampled

[1]Flow rates are calculated using the recorded sparge temperature instead of the actual pitot tube temperature.

Cell 3 Cumulative Summary of Estimated Hydrocarbon Recovery

June 24, 2011 - December 31, 2020

Parameter	Units	Quantity
Total VGAC Operating Time	hours	42,309
Overall VGAC Operational Time	%	50.7%
Estimated Total Hydrocarbons Destroyed/Removed	pounds	2,201
Estimated Hydrocarbon Destruction/Removal Rate	pounds/hour	0.0520

Table C3-2 - VGAC Influent Analytical Results
Cell 3: AS/SVE System in Cove Area

Month		January	February	March	April	May	June	July	August	September	October	November	December
Analyte (TO-15 Organics)	**Units**												
1,1,1-Trichloroethane	ug/m^3	*NS*	*46.3 U*	*51.6 U*	*152 U*	*128 U*	*7160 U*	*1.7 U*	*1590 U*	*895 U*	*1.7 U*	*2200 U*	*53.9 U*
1,1,2,2-Tetrachloroethane	ug/m^3	*NS*	*29.1 U*	*32.5 U*	*95.5 U*	*80.3 U*	*4500 U*	*1.1 U*	*999 U*	*563 U*	*1.1 U*	*1380 U*	*33.9 U*
1,1,2-Trichloroethane	ug/m^3	*NS*	*23.1 U*	*25.8 U*	*75.9 U*	*63.8 U*	*3580 U*	*0.86 U*	*794 U*	*448 U*	*0.84 U*	*1100 U*	*27.0 U*
1,1,2-Trichlorotrifluoroethane	ug/m^3	*NS*	*65.1 U*	*72.5 U*	*213 U*	*179 U*	*10100 U*	*2.4 U*	*2230 U*	*1260 U*	*2.4 U*	*3100 U*	*75.8 U*
1,1-Dichloroethane	ug/m^3	*NS*	*34.3 U*	*38.3 U*	*113 U*	*94.6 U*	*5310 U*	*1.3 U*	*1180 U*	*664 U*	*1.3 U*	*1630 U*	*40.0 U*
1,1-Dichloroethene	ug/m^3	*NS*	*33.6 U*	*37.5 U*	*110 U*	*92.7 U*	*5200 U*	*1.2 U*	*1150 U*	*650 U*	*1.2 U*	*1600 U*	*39.2 U*
1,2,3-Trimethylbenzene	ug/m^3	*NS*	*41.7 U*	*46.5 U*	*137 U*	*287 U*	*6440 U*	**1.6**	*1430 U*	*NS*	*NS*	*NS*	*NS*
1,2,4-Trichlorobenzene	ug/m^3	*NS*	*314 U*	*351 U*	*1030 U*	*867 U*	*48600 U*	*11.7 U*	*10800 U*	*6080 U*	*11.5 U*	*15000 U*	*366 U*
1,2,4-Trimethylbenzene	ug/m^3	*NS*	*41.7 U*	*46.5 U*	*137 U*	*115 U*	*6440 U*	*1.5 U*	*1430 U*	*806 U*	*1.5 U*	*1980 U*	*48.6 U*
1,2-Dibromoethane (EDB)	ug/m^3	*NS*	*32.6 U*	*36.3 U*	*107 U*	*89.8 U*	*5040 U*	*1.2 U*	*1120 U*	*630 U*	*1.2 U*	*1550 U*	*38.0 U*
1,2-Dichlorobenzene	ug/m^3	*NS*	*50.9 U*	*56.7 U*	*167 U*	*351 U*	*7870 U*	*1.9 U*	*1750 U*	*984 U*	*1.9 U*	*2420 U*	*59.3 U*
1,2-Dichloroethane	ug/m^3	*NS*	*17.1 U*	*19.1 U*	*56.2 U*	*47.3 U*	*2650 U*	*0.64 U*	*588 U*	*331 U*	*0.62 U*	*815 U*	*20.0 U*
1,2-Dichloropropane	ug/m^3	*NS*	*39.2 U*	*43.7 U*	*128 U*	*108 U*	*6060 U*	*1.5 U*	*1340 U*	*757 U*	*1.4 U*	*1860 U*	*45.6 U*
1,3,5-Trimethylbenzene	ug/m^3	*NS*	*41.7 U*	*46.5 U*	*137 U*	*115 U*	*6440 U*	**10.6**	*1430 U*	*806 U*	*1.5 U*	*1980 U*	*48.6 U*
1,3-Dichlorobenzene	ug/m^3	*NS*	*50.9 U*	*56.7 U*	*167 U*	*140 U*	*7870 U*	*1.9 U*	*1750 U*	*984 U*	*1.9 U*	*2420 U*	*148 U*
1,4-Dichlorobenzene	ug/m^3	*NS*	*128 U*	*142 U*	*419 U*	*352 U*	*19700 U*	*4.7 U*	*4380 U*	*2470 U*	*4.7 U*	*6070 U*	*149 U*
1,4-Dioxane (p-Dioxane)	ug/m^3	*NS*	*153 U*	*170 U*	*501 U*	*421 U*	*23600 U*	*5.7 U*	*5240 U*	*NS*	*NS*	*NS*	*NS*
2-Butanone (MEK)	ug/m^3	*NS*	*125 U*	*140 U*	*410 U*	*345 U*	*19400 U*	*4.6 U*	*4290 U*	*2420 U*	*4.6 U*	*5950 U*	*146 U*
2-Hexanone	ug/m^3	*NS*	*173 U*	*193 U*	*569 U*	*478 U*	*26800 U*	*6.4 U*	*5950 U*	*3350 U*	*6.3 U*	*8250 U*	*202 U*
4-Methyl-2-pentanone (MIBK)	ug/m^3	*NS*	*173 U*	*193 U*	*569 U*	*478 U*	*26800 U*	*6.4 U*	*5950 U*	*3350 U*	*6.3 U*	*8250 U*	*202 U*
Acetone	ug/m^3	*NS*	*100 U*	*112 U*	*826 U*	*695 U*	*39000 U*	*9.4 U*	*8640 U*	*4870 U*	**10.8**	*12000 U*	*294 U*
Benzene	ug/m^3	*NS*	**65800**	**4000**	**2420**	**121000**	**209000**	**2250**	**58800**	**754000**	**0.51**	**30800**	*15.8 U*
Bromodichloromethane	ug/m^3	*NS*	*56.7 U*	*63.2 U*	*186 U*	*156 U*	*8770 U*	*2.1 U*	*1950 U*	*1100 U*	*2.1 U*	*2700 U*	*66.1 U*
Bromoform	ug/m^3	*NS*	*219 U*	*244 U*	*718 U*	*604 U*	*33900 U*	*8.1 U*	*7510 U*	*4230 U*	*8.0 U*	*10400 U*	*255 U*
Bromomethane	ug/m^3	*NS*	*32.9 U*	*36.7 U*	*108 U*	*90.7 U*	*5090 U*	*1.2 U*	*1130 U*	*636 U*	*1.2 U*	*1570 U*	*38.3 U*
Carbon disulfide	ug/m^3	*NS*	*26.4 U*	*29.4 U*	*86.6 U*	*72.8 U*	*4080 U*	**2.4**	*906 U*	*510 U*	*0.96 U*	*1260 U*	*30.8 U*
Carbon tetrachloride	ug/m^3	*NS*	*53.4 U*	*59.5 U*	*175 U*	*147 U*	*8260 U*	*2.0 U*	*1830 U*	*1030 U*	*1.9 U*	*2540 U*	*62.2 U*
Chlorobenzene	ug/m^3	*NS*	*39.0 U*	*43.5 U*	*128 U*	*108 U*	*6040 U*	*1.5 U*	*1340 U*	*755 U*	*1.4 U*	*1860 U*	*45.5 U*
Chloroethane	ug/m^3	*NS*	*22.4 U*	*24.9 U*	*73.3 U*	*61.6 U*	*3460 U*	*0.83 U*	*767 U*	*432 U*	*0.81 U*	*1060 U*	*26.0 U*
Chloroform	ug/m^3	*NS*	*20.7 U*	*23.1 U*	*67.9 U*	*57.0 U*	*3200 U*	*0.77 U*	*710 U*	*400 U*	*0.75 U*	*984 U*	*24.1 U*
Chloromethane	ug/m^3	*NS*	*17.5 U*	*19.5 U*	*57.5 U*	*48.3 U*	*2710 U*	*0.65 U*	*601 U*	*339 U*	**0.71**	*833 U*	*20.4 U*
cis-1,2-Dichloroethene	ug/m^3	*NS*	*33.6 U*	*37.5 U*	*110 U*	*92.7 U*	*5200 U*	*1.2 U*	*1150 U*	*650 U*	*1.2 U*	*1600 U*	*39.2 U*
cis-1,3-Dichloropropene	ug/m^3	*NS*	*38.5 U*	*42.9 U*	*126 U*	*106 U*	*5950 U*	*1.4 U*	*1320 U*	*744 U*	*1.4 U*	*1830 U*	*44.9 U*
Cyclohexane	ug/m^3	*NS*	*73.0 U*	*81.4 U*	*239 U*	*201 U*	*11300 U*	**3.6**	*2500 U*	*1410 U*	*2.7 U*	*3470 U*	*85.0 U*
Dibromochloromethane	ug/m^3	*NS*	*72.1 U*	*80.4 U*	*237 U*	*199 U*	*11200 U*	*2.7 U*	*2470 U*	*1400 U*	*2.6 U*	*3430 U*	*84.1 U*
Dichlorodifluoromethane	ug/m^3	*NS*	*42.1 U*	*47.0 U*	*138 U*	*116 U*	*6520 U*	**3.1**	*1440 U*	*814 U*	**2**	*2000 U*	*49.1 U*
Ethylbenzene	ug/m^3	*NS*	**55.2**	*41.1 U*	*121 U*	*102 U*	*5700 U*	**4.4**	*1260 U*	*712 U*	*1.3 U*	*1750 U*	*42.9 U*
Hexachloro-1,3-butadiene	ug/m^3	*NS*	*226 U*	*252 U*	*741 U*	*623 U*	*35000 U*	*8.4 U*	*7750 U*	*4370 U*	*8.2 U*	*10800 U*	*263 U*
Isopropylbenzene (Cumene)	ug/m^3	*NS*	*104 U*	*116 U*	*342 U*	*288 U*	*16100 U*	*3.9 U*	*3580 U*	*NS*	*NS*	*NS*	*NS*
Methylene Chloride	ug/m^3	*NS*	*147 U*	*164 U*	*483 U*	*406 U*	*22800 U*	*5.5 U*	*5050 U*	*2850 U*	*5.4 U*	*7000 U*	*172 U*
Methyl-tert-butyl ether	ug/m^3	*NS*	*153 U*	*170 U*	*501 U*	*421 U*	*23600 U*	*5.7 U*	*5240 U*	*2950 U*	*5.6 U*	*7260 U*	*178 U*
Naphthalene	ug/m^3	*NS*	*111 U*	*124 U*	*364 U*	*306 U*	*17200 U*	*4.1 U*	*3810 U*	*2150 U*	*4.0 U*	*5280 U*	*129 U*
Styrene	ug/m^3	*NS*	*36.1 U*	*40.3 U*	*118 U*	*99.6 U*	*5590 U*	*1.3 U*	*1240 U*	*698 U*	*1.3 U*	*1720 U*	*42.1 U*
Tetrachloroethene	ug/m^3	*NS*	**109**	*32.0 U*	*94.3 U*	*79.2 U*	*4440 U*	**2.3**	*986 U*	*1110 U*	*1.0 U*	*1190 U*	*33.5 U*
Toluene	ug/m^3	*NS*	**3860**	**571**	**222**	**3730**	**18800**	**262**	**5240**	**18800**	*1.2 U*	**2960**	*37.2 U*
trans-1,2-Dichloroethene	ug/m^3	*NS*	*33.6 U*	*37.5 U*	*110 U*	*92.7 U*	*5200 U*	*1.2 U*	*1150 U*	*650 U*	*1.2 U*	*1600 U*	*39.2 U*
trans-1,3-Dichloropropene	ug/m^3	*NS*	*38.5 U*	*42.9 U*	*126 U*	*106 U*	*5950 U*	*1.4 U*	*1320 U*	*744 U*	*1.4 U*	*1830 U*	*44.9 U*
Trichloroethene	ug/m^3	*NS*	*22.8 U*	*25.4 U*	*74.7 U*	*62.8 U*	*3520 U*	*0.85 U*	*781 U*	*440 U*	*0.83 U*	*1080 U*	*26.5 U*
Trichlorofluoromethane	ug/m^3	*NS*	*47.5 U*	*53.0 U*	*156 U*	*131 U*	*7350 U*	**1.9**	*1630 U*	*919 U*	*1.7 U*	*2260 U*	*55.4 U*
Vinyl chloride	ug/m^3	*NS*	*10.8 U*	*12.1 U*	*35.6 U*	*59.8 U*	*1680 U*	*0.40 U*	*372 U*	*210 U*	*0.40 U*	*516 U*	*12.6 U*
Xylene (Total)	ug/m^3	*NS*	**673**	**184**	*363 U*	**1150**	*17100 U*	**104**	*3790 U*	**3908**	*4 U*	*5260 U*	*128.9 U*
Total Volatile Organics	ug/m^3	*NS*	**70,497**	**4,755**	**2,642**	**125,880**	**227,800**	**2,646**	**64,040**	**776,708**	**14**	**33,760**	**0**

Notes:

BOLD = Analyte detected

ug/m^3 = micro grams per cubic meter

U = Analyte not detected above reporting limit.

NS = Not Sampled

Table C3-3
Cell 3 Groundwater Analytical Results

Sample ID		CO101-PZM			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/5/2020	5/5/2020	9/8/2020	12/17/2020
Volatile Organic Compounds	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
1,1-Dichloroethane	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
1,1-Dichloroethene	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	µg/L	*5 U*	*25 U*	*5 U*	*5 U*
1,2-Dibromoethane	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	µg/L	*1 U*	*5 U*	*1 U*	**4.7**
1,2-Dichloroethane	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
1,2-Dichloropropane	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
2-Butanone (MEK)	µg/L	**27.6**	**1,110**	*10 U*	*10 U*
2-Hexanone	µg/L	**17.4**	**162**	*10 U*	*10 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*10 U*	*50 U*	*10 U*	*10 U*
Acetone	µg/L	**103**	**6,250**	*10 U*	**15.8**
Acrylonitrile	µg/L	*4 U*	*20 U*	*4 U*	*4 U*
Benzene	µg/L	**6,730**	**4,080**	**397**	**5,480**
Bromochloromethane	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
Bromodichloromethane	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
Bromoform	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
Bromomethane	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
Carbon disulfide	µg/L	**0.37**	*5 U*	*1 U*	*1 U*
Carbon tetrachloride	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
Chlorobenzene	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
Chloroethane	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
Chloroform	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
Chloromethane	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
Dibromochloromethane	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
Dibromomethane	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
Ethylbenzene	µg/L	**7.3**	**4.2 J**	*1 U*	**4.9**
Iodomethane	µg/L	*50 U*	*250 U*	*50 U*	*50 U*
Methyl tert-butyl ether (MTBE)	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
Methylene Chloride	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
Styrene	µg/L	**2**	*5 U*	*1 U*	**1.1**
Tetrachloroethene	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
Toluene	µg/L	**402**	**227**	**21.9**	**385**
trans-1,2-Dichloroethene	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	µg/L	*5 U*	*25 U*	*5 U*	*5 U*
Trichloroethene	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
Trichlorofluoromethane	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
Vinyl Acetate	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
Vinyl chloride	µg/L	*1 U*	*5 U*	*1 U*	*1 U*
Xylenes	µg/L	**90.5**	**58.2**	**5.1**	**64.8**
Total Volatile Organics	µg/L	**7,380**	**11,887**	**424**	**5,956**
Semi-Volatile Organic Compounds	**Units**				
Naphthalene	µg/L	**207**	**189**	**21.4**	**179**

Notes:
Bold = Analyte Detected
NS = Not Sampled
µg/L = Micrograms per liter
U = Analyte not detected

Table C3-3
Cell 3 Groundwater Analytical Results

Sample ID		CO102-PZM			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/4/2020	5/4/2020	9/1/2020	12/17/2020
Volatile Organic Compounds	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone (MEK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	µg/L	*50 U*	*50 U*	*50 U*	**57.2**
Acrylonitrile	µg/L	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	µg/L	**13,300**	**11,000**	**15,100**	**13,500**
Bromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon disulfide	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon tetrachloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	µg/L	**19.3**	**14.5**	**17.8**	**18.1**
Iodomethane	µg/L	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tert-butyl ether (MTBE)	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	µg/L	**3.3**	*5 U*	*5 U*	*5 U*
Styrene	µg/L	**5.7**	**4.1**	**5.6**	**4.4**
Tetrachloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Toluene	µg/L	**855**	**644**	**909**	**964**
trans-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl chloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	µg/L	**212**	**161**	**189**	**194**
Total Volatile Organics	µg/L	**14,395**	**11,824**	**16,221**	**14,738**
Semi-Volatile Organic Compounds	**Units**				
Naphthalene	µg/L	**991**	**728**	**772**	**874**

Notes:
Bold = Analyte Detected
NS = Not Sampled
µg/L = Micrograms per liter
U = Analyte not detected

Table C3-3
Cell 3 Groundwater Analytical Results

Sample ID		CO103-PZM			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/4/2020	5/4/2020	9/1/2020	12/17/2020
Volatile Organic Compounds	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone (MEK)	µg/L	**2.4**	*10 U*	*10 U*	*10 U*
2-Hexanone	µg/L	**0.66**	*10 U*	*10 U*	*10 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*10 U*	*10 U*	*10 U*	*10 U*
Acetone	µg/L	**11.6**	**6.9**	*10 U*	**16.6**
Acrylonitrile	µg/L	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	µg/L	**10,800**	**1,310**	**516**	**1,100**
Bromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Carbon disulfide	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Carbon tetrachloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	µg/L	**29.8**	**6.5**	**2.2**	**2.3**
Iodomethane	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Methyl tert-butyl ether (MTBE)	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Styrene	µg/L	**3.6**	**0.53**	*1 U*	*1 U*
Tetrachloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Toluene	µg/L	**627**	**95**	**12.6**	**59.6**
trans-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl chloride	µg/L	*1 U*	*1 U*	*1 U*	**0.69**
Xylenes	µg/L	**453**	**86.3**	**29.6**	**30.5**
Total Volatile Organics	µg/L	**11,928**	**1,505**	**560**	**1,210**
Semi-Volatile Organic Compounds	**Units**				
Naphthalene	µg/L	**1,200**	**177**	**81.6**	**88.4**

Notes:
Bold = Analyte Detected
NS = Not Sampled
µg/L = Micrograms per liter
U = Analyte not detected

Table C3-3
Cell 3 Groundwater Analytical Results

Sample ID		CO104-PZM			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/4/2020	5/4/2020	8/31/2020	12/16/2020
Volatile Organic Compounds	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone (MEK)	µg/L	**50.6**	*10 U*	*10 U*	*10 U*
2-Hexanone	µg/L	**42.8**	*10 U*	*10 U*	*10 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*10 U*	*10 U*	*10 U*	*10 U*
Acetone	µg/L	**178**	**7**	*10 U*	*10 U*
Acrylonitrile	µg/L	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	µg/L	**7.4**	*1 U*	*1 U*	**4.3**
Bromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	µg/L	*1 U*	*1 U*	*1 U*	**2.1**
Carbon disulfide	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Carbon tetrachloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Iodomethane	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Methyl tert-butyl ether (MTBE)	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Styrene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Tetrachloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Toluene	µg/L	**0.75**	*1 U*	*1 U*	*1 U*
trans-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	µg/L	*3 U*	*3 U*	*3 U*	*3 U*
Total Volatile Organics	µg/L	**280**	**7.00**	**0.00**	**6.40**
Semi-Volatile Organic Compounds	**Units**				
Naphthalene	µg/L	**1.1**	*2 U*	*2 U*	*2 U*

Notes:
Bold = Analyte Detected
NS = Not Sampled
µg/L = Micrograms per liter
U = Analyte not detected

Table C3-3
Cell 3 Groundwater Analytical Results

Sample ID		CO30-PZM015			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/4/2020	5/4/2020	9/1/2020	12/16/2020
Volatile Organic Compounds	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone (MEK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	µg/L	**28.4**	*50 U*	*50 U*	**35**
Acrylonitrile	µg/L	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	µg/L	**63,900**	**59,300**	**66,400**	**75,800**
Bromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon disulfide	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon tetrachloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	µg/L	**121**	**93.9**	**89.7**	**130**
Iodomethane	µg/L	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tert-butyl ether (MTBE)	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Styrene	µg/L	**17.1**	**11.5**	**12.5**	**14.7**
Tetrachloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Toluene	µg/L	**4,710**	**4,100**	**4,800**	**5,550**
trans-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl chloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	µg/L	**1,650**	**1,310**	**1,200**	**1,910**
Total Volatile Organics	µg/L	**70,427**	**64,815**	**72,502**	**83,440**
Semi-Volatile Organic Compounds	**Units**				
Naphthalene	µg/L	**17,100**	**2,320**	**1,830**	**3,130**

Notes:
Bold = Analyte Detected
NS = Not Sampled
µg/L = Micrograms per liter
U = Analyte not detected

Table C3-3
Cell 3 Groundwater Analytical Results

Sample ID		CO30-PZM060			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/4/2020	5/4/2020	9/1/2020	12/16/2020
Volatile Organic Compounds	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone (MEK)	µg/L	**1.9**	*10 U*	*10 U*	*10 U*
2-Hexanone	µg/L	**1.2**	**1.5**	*10 U*	*10 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*10 U*	*10 U*	*10 U*	*10 U*
Acetone	µg/L	*10 U*	**9.5**	*10 U*	*10 U*
Acrylonitrile	µg/L	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	µg/L	**9**	**7.5**	**15**	**19.5**
Bromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	µg/L	*1 U*	*1 U*	*1 U*	**0.77**
Carbon disulfide	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Carbon tetrachloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Iodomethane	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Methyl tert-butyl ether (MTBE)	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Styrene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Tetrachloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Toluene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	µg/L	*3 U*	*3 U*	*3 U*	*3 U*
Total Volatile Organics	µg/L	**12.1**	**18.5**	**15.0**	**20.3**
Semi-Volatile Organic Compounds	**Units**				
Naphthalene	µg/L	**19.2**	*2 U*	*2 U*	*2 U*

Notes:
Bold = Analyte Detected
NS = Not Sampled
µg/L = Micrograms per liter
U = Analyte not detected

Table C5-1
Cell 5 Monitoring Well Construction Information

Monitoring Well Designation	Monitoring Well Temporary Identification	Installation Method	Northing	Easting	Top of Casing Elevation	Protection Cover Type	Well Total Depth	Riser Length	Screen Length	Filter Pack Interval	Seal Interval	Grout Interval
CO23-PZM008	----------	Hollow Stem Auger	561783.979	1457095.859	11.17	Flush Mount	19	9	10	7-19	5-7	0-5
CO24-PZM007	----------	Hollow Stem Auger	562048.175	1457276.816	12.02	Flush Mount	19	9	10	7-19	5-7	0-5
CO26-PZM007	----------	Hollow Stem Auger	561682.425	1458048.048	12.76	Flush Mount	20	10	10	8-20	6-8	0-6
CO55-PZM000	Cell 5 - MW1 (S)	Hollow Stem Auger	561434.420	1457585.900	15.10	Steel Riser	15	5	10	3-15	2-3	0-2
CO56-PZP001	Cell 5 - MW2 (S)	Hollow Stem Auger	561668.410	1457790.050	15.92	Steel Riser	15	5	10	3-15	2-3	0-2
CO57-PZP002	Cell 5 - MW3 (S)	Hollow Stem Auger	561122.520	1457530.000	16.59	Steel Riser	15	5	10	3-15	2-3	0-2
CO58-PZM001	Cell 5 - MW4 (S)	Hollow Stem Auger	561331.310	1457989.130	14.31	Steel Riser	15	5	10	3-15	2-3	0-2
CO59-PZP002	Cell 5 - MW5 (S)	Hollow Stem Auger	561446.980	1457308.790	16.75	Steel Riser	15	5	10	3-15	2-3	0-2
CO60-PZP001	Cell 5 - MW6 (S)	Hollow Stem Auger	561872.550	1457913.360	15.83	Steel Riser	15	5	10	3-15	2-3	0-2

Table C5-2: Summary of Operation
Cell 5: DPE System

Parameter	Units	Q1 1/1 - 3/31	Q2 4/1 - 6/30	Q3 7/1 - 9/30	Q4 10/1 - 12/31	Total 1/1 - 12/31
Total Discharge	gallons	1,897,213	2,199,241	2,140,155	1,831,117	8,067,726
Extracted Total Concentrations	lbs/gal	5.54E-05	4.92E-05	3.60E-05	5.18E-05	1.92E-04
Effluent Total Concentrations	lbs/gal	9.528E-07	4.31E-08	1.56E-06	6.38E-07	3.19E-06
Extracted Hydrocarbons	lbs	105	108	77.1	94.9	385
Effluent Hydrocarbons	lbs	1.81	0.09	3.34	1.17	6.41
Total Hydrocarbons Removed	lbs	103	108	73.8	93.7	379

Table C5-3
Cell 5 DNAPL Occurrence and Recovery

Well ID	Total DNAPL Recovery Period		Pre-2020		Estimated DNAPL Recovered 2020		Cumulative Total DNAPL Recovered	
	Begin	End	(gal)	(lbs)[1]	(gal)	(lbs)[1]	(gal)	(lbs)[1]
CO123	1-Jan-16	On-going[2]	608	5,835	50.0	480	658	6,315
CO124	1-Jan-16	On-going[2]	510	4,895	97.0	931	607	5,826
CO125	1-Jan-16	On-going[2]	81.0	777	25.0	240	106	1,017
CO169	1-Jan-16	On-going[2]	50.0	480	0	0	50.0	480
Total Recovery:			**1,249**	**11,987**	**172**	**1,651**	**1,421**	**13,638**

Notes:

[1] Weight is calculated based on oil density of 1.15 grams per cubic centimeter.
[2] Skimmer

Table C5-4
Well Groundwater Elevations

Well ID	Temporary Well ID	Top of PVC Elevation (ft)	Aquifer	Well Depth from Ground Surface (ft)	2/6/20 - 2/11/20		5/6/20 - 5/7/20		9/8/20 - 9/9/20		12/15/20 - 12/16/20	
					Depth to Groundwater	Groundwater Elevation (ft)	Depth to Groundwater	Groundwater Elevation (ft)	Depth to Groundwater	Groundwater Elevation (ft)	Depth to Groundwater	Groundwater Elevation (ft)
CO23-PZM008		15.74	Shallow	19.00	15.00	0.74	15.48	0.26	14.30	1.44	14.52	1.22
CO24-PZM007		15.95	Shallow	19.00	13.47	2.48	14.18	1.77	13.95	2.00	13.99	1.96
CO26-PZM007		12.76	Shallow	20.00	10.73	2.03	11.51	1.25	11.20	1.56	11.51	1.25
CO55-PZM000	Cell 5 - MW1 (S)	15.10	Shallow	15.00	13.13	1.97	13.96	1.14	13.74	1.36	13.51	1.59
CO56-PZP001	Cell 5 - MW2 (S)	15.92	Shallow	15.00	15.20	0.72	14.74	1.18	15.59	0.33	14.95	0.97
CO57-PZP002	Cell 5 - MW3 (S)	16.59	Shallow	15.00	15.33	1.26	15.08	1.51	NM	NM	NM	NM
CO58-PZM001	Cell 5 - MW4 (S)	14.31	Shallow	15.00	13.78	0.53	13.17	1.14	13.05	1.26	14.32	-0.01
CO59-PZP002	Cell 5 - MW5 (S)	16.75	Shallow	15.00	16.04	0.71	15.58	1.17	14.32	2.43	NM	NM
CO60-PZP001	Cell 5 - MW6 (S)	15.83	Shallow	15.00	15.08	0.75	14.69	1.14	14.54	1.29	14.88	0.95

Note: NM = Not Measured

Table C5-5
Cell 5 Groundwater Analytical Results

Sample ID		CO23-PZM008			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/6/2020	5/7/2020	9/8/2020	12/29/2020
Volatile Organic Compounds	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone (MEK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	µg/L	**43.4**	*50 U*	*50 U*	*50 U*
Acrylonitrile	µg/L	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	µg/L	**666**	**431**	**473**	**495**
Bromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon disulfide	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon tetrachloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	µg/L	**28.6**	**21.3**	**18.6**	**24.7**
Iodomethane	µg/L	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tert-butyl ether (MTBE)	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	µg/L	**4.6**	*5 U*	*5 U*	*5 U*
Styrene	µg/L	**27.6**	**16.7**	**15**	**22.9**
Tetrachloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Toluene	µg/L	**344**	**201**	**172**	**244**
trans-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl chloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	µg/L	**465**	**363**	**289**	**399**
Semi-Volatile Organic Compounds	**Units**				
Naphthalene	µg/L	**5,950**	**3,200**	**1,860**	**2,460**
Total Volatile Organics	µg/L	**7,529**	**4,233**	**2,828**	**3,646**

Notes:

Bold = Analyte Detected
NS = Not Sampled
µg/L = Micrograms per liter
U = Analyte not detected above reporting limit
Naphthalene values included in total

Table C5-5
Cell 5 Groundwater Analytical Results

Sample ID		CO24-PZM007			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/6/2020	5/7/2020	9/8/2020	12/29/2020
Volatile Organic Compounds	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone (MEK)	µg/L	**3.9**	*10 U*	*10 U*	*10 U*
2-Hexanone	µg/L	**1.7**	**1.2**	*10 U*	*10 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*10 U*	*10 U*	*10 U*	*10 U*
Acetone	µg/L	**16**	**15.8**	**10.4**	**16.4**
Acrylonitrile	µg/L	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	µg/L	**3**	**3.2**	**2.1**	**1.3**
Bromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	µg/L	*1 U*	**1**	*1 U*	*1 U*
Carbon disulfide	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Carbon tetrachloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	µg/L	**5.2**	**4.6**	**2.8**	**3.2**
Iodomethane	µg/L	*50 U*	*50 U*	*50 U*	**1.2**
Methyl tert-butyl ether (MTBE)	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Styrene	µg/L	**0.55**	*1 U*	*1 U*	*1 U*
Tetrachloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Toluene	µg/L	**1.9**	**1.9**	**1.3**	**1**
trans-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	µg/L	**7.3**	**6.7**	**4.1**	**3.3**
Semi-Volatile Organic Compounds	**Units**				
Naphthalene	µg/L	**3,250**	**2,620**	**1,110**	**9,230**
Total Volatile Organics	µg/L	**3,290**	**2,654**	**1,131**	**9,256**

Notes:

Bold = Analyte Detected

NS = Not Sampled

µg/L = Micrograms per liter

U = Analyte not detected above reporting limit

Naphthalene values included in total

Table C5-5
Cell 5 Groundwater Analytical Results

Sample ID		CO26-PZM007			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/11/2020	5/6/2020	9/9/2020	12/29/2020
Volatile Organic Compounds	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone (MEK)	µg/L	**2.8**	**4.3**	*10 U*	*10 U*
2-Hexanone	µg/L	**2.4**	**1.9**	*10 U*	*10 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*10 U*	*10 U*	**6.8**	*10 U*
Acetone	µg/L	**11**	**27.9**	*10 U*	**16.2**
Acrylonitrile	µg/L	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	µg/L	**3.4**	**163**	**331**	**3.5**
Bromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	µg/L	*1 U*	*1 U*	*1 U*	**0.76**
Carbon disulfide	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Carbon tetrachloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	µg/L	*1 U*	**6.1**	**10.9**	*1 U*
Iodomethane	µg/L	*50 U*	*50 U*	*50 U*	**0.94**
Methyl tert-butyl ether (MTBE)	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Styrene	µg/L	**0.75**	**36.3**	**64.6**	*1 U*
Tetrachloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Toluene	µg/L	**1.1**	**82.8**	**182**	**1.4**
trans-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	µg/L	**4**	**141**	**244**	**1.8**
Semi-Volatile Organic Compounds	**Units**				
Naphthalene	µg/L	**43.7**	**2,030**	**2,170**	**33.8**
Total Volatile Organics	µg/L	**69.2**	**2,493**	**3,009**	**58.4**

Notes:

Bold = Analyte Detected
NS = Not Sampled
µg/L = Micrograms per liter
U = Analyte not detected above reporting limit
Naphthalene values included in total

Table C5-5
Cell 5 Groundwater Analytical Results

Sample ID		CO55-PZM000			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/7/2020	5/6/2020	9/9/2020	12/30/2020
Volatile Organic Compounds	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	µg/L	*25 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
2-Butanone (MEK)	µg/L	*50 U*	*10 U*	*10 U*	*10 U*
2-Hexanone	µg/L	*50 U*	**1.8**	*10 U*	*10 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*50 U*	*10 U*	*10 U*	*10 U*
Acetone	µg/L	**28.8**	**11.7**	*10 U*	*10 U*
Acrylonitrile	µg/L	*20 U*	*4 U*	*4 U*	*4 U*
Benzene	µg/L	**222**	**1.2**	*1 U*	*1 U*
Bromochloromethane	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
Bromoform	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
Bromomethane	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
Carbon disulfide	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
Carbon tetrachloride	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
Chloroethane	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
Chloroform	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
Chloromethane	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	µg/L	**7.6**	*1 U*	*1 U*	*1 U*
Iodomethane	µg/L	*250 U*	*50 U*	*50 U*	*50 U*
Methyl tert-butyl ether (MTBE)	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
Styrene	µg/L	**30.8**	*1 U*	*1 U*	*1 U*
Tetrachloroethene	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
Toluene	µg/L	**12.5**	**0.41**	*1 U*	*1 U*
trans-1,2-Dichloroethene	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	µg/L	*25 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
Vinyl chloride	µg/L	*5 U*	*1 U*	*1 U*	*1 U*
Xylenes	µg/L	**158**	*3 U*	*3 U*	*3 U*
Semi-Volatile Organic Compounds	**Units**				
Naphthalene	µg/L	**1,920**	**3.4**	*2 U*	*2 U*
Total Volatile Organics	µg/L	**2,380**	**18.5**	**0**	**0**

Notes:

Bold = Analyte Detected
NS = Not Sampled
µg/L = Micrograms per liter
U = Analyte not detected above reporting limit
Naphthalene values included in total

Table C5-5
Cell 5 Groundwater Analytical Results

Sample ID		CO56-PZP001			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/6/2020	5/6/2020	9/8/2020	12/30/2020
Volatile Organic Compounds	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone (MEK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	µg/L	**42.8**	**31.7**	*50 U*	*50 U*
Acrylonitrile	µg/L	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	µg/L	**266**	**352**	**224**	**255**
Bromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon disulfide	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Carbon tetrachloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	µg/L	**8.6**	**11.7**	**10.1**	**10.7**
Iodomethane	µg/L	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tert-butyl ether (MTBE)	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	µg/L	**4.4**	*5 U*	*5 U*	*5 U*
Styrene	µg/L	**57.2**	**58.6**	**27.6**	**58.8**
Tetrachloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Toluene	µg/L	**89**	**157**	**21.3**	**95.5**
trans-1,2-Dichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	µg/L	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl chloride	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	µg/L	**197**	**251**	**195**	**235**
Semi-Volatile Organic Compounds	**Units**				
Naphthalene	µg/L	**3,750**	**3,250**	**1,470**	**2,180**
Total Volatile Organics	µg/L	**4,415**	**4,112**	**1,948**	**2,835**

Notes:

Bold = Analyte Detected
NS = Not Sampled
µg/L = Micrograms per liter
U = Analyte not detected above reporting limit
Naphthalene values included in total

Table C5-5
Cell 5 Groundwater Analytical Results

Sample ID		CO57-PZP002			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/11/2020	5/6/2020		
Volatile Organic Compounds	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*NS*	*NS*
1,1,1-Trichloroethane	µg/L	*1 U*	*1 U*	*NS*	*NS*
1,1,2,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*NS*	*NS*
1,1,2-Trichloroethane	µg/L	*1 U*	*1 U*	*NS*	*NS*
1,1-Dichloroethane	µg/L	*1 U*	*1 U*	*NS*	*NS*
1,1-Dichloroethene	µg/L	*1 U*	*1 U*	*NS*	*NS*
1,2,3-Trichloropropane	µg/L	*1 U*	*1 U*	*NS*	*NS*
1,2-Dibromo-3-chloropropane	µg/L	*5 U*	*5 U*	*NS*	*NS*
1,2-Dibromoethane	µg/L	*1 U*	*1 U*	*NS*	*NS*
1,2-Dichlorobenzene	µg/L	*1 U*	*1 U*	*NS*	*NS*
1,2-Dichloroethane	µg/L	*1 U*	*1 U*	*NS*	*NS*
1,2-Dichloropropane	µg/L	*1 U*	*1 U*	*NS*	*NS*
1,4-Dichlorobenzene	µg/L	*1 U*	*1 U*	*NS*	*NS*
2-Butanone (MEK)	µg/L	**2.6**	**7.3**	*NS*	*NS*
2-Hexanone	µg/L	**1.7**	**2.7**	*NS*	*NS*
4-Methyl-2-pentanone (MIBK)	µg/L	*10 U*	*10 U*	*NS*	*NS*
Acetone	µg/L	**7.8**	**41.6**	*NS*	*NS*
Acrylonitrile	µg/L	*4 U*	*4 U*	*NS*	*NS*
Benzene	µg/L	*1 U*	*1 U*	*NS*	*NS*
Bromochloromethane	µg/L	*1 U*	*1 U*	*NS*	*NS*
Bromodichloromethane	µg/L	*1 U*	*1 U*	*NS*	*NS*
Bromoform	µg/L	*1 U*	*1 U*	*NS*	*NS*
Bromomethane	µg/L	*1 U*	**1.4**	*NS*	*NS*
Carbon disulfide	µg/L	*1 U*	*1 U*	*NS*	*NS*
Carbon tetrachloride	µg/L	*1 U*	*1 U*	*NS*	*NS*
Chlorobenzene	µg/L	*1 U*	*1 U*	*NS*	*NS*
Chloroethane	µg/L	*1 U*	*1 U*	*NS*	*NS*
Chloroform	µg/L	*1 U*	*1 U*	*NS*	*NS*
Chloromethane	µg/L	*1 U*	*1 U*	*NS*	*NS*
cis-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*NS*	*NS*
cis-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*NS*	*NS*
Dibromochloromethane	µg/L	*1 U*	*1 U*	*NS*	*NS*
Dibromomethane	µg/L	*1 U*	*1 U*	*NS*	*NS*
Ethylbenzene	µg/L	*1 U*	*1 U*	*NS*	*NS*
Iodomethane	µg/L	*50 U*	*50 U*	*NS*	*NS*
Methyl tert-butyl ether (MTBE)	µg/L	*1 U*	*1 U*	*NS*	*NS*
Methylene Chloride	µg/L	*1 U*	*1 U*	*NS*	*NS*
Styrene	µg/L	*1 U*	*1 U*	*NS*	*NS*
Tetrachloroethene	µg/L	*1 U*	*1 U*	*NS*	*NS*
Toluene	µg/L	*1 U*	*1 U*	*NS*	*NS*
trans-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*NS*	*NS*
trans-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*NS*	*NS*
trans-1,4-Dichloro-2-butene	µg/L	*5 U*	*5 U*	*NS*	*NS*
Trichloroethene	µg/L	*1 U*	*1 U*	*NS*	*NS*
Trichlorofluoromethane	µg/L	*1 U*	*1 U*	*NS*	*NS*
Vinyl Acetate	µg/L	*1 U*	*1 U*	*NS*	*NS*
Vinyl chloride	µg/L	*1 U*	*1 U*	*NS*	*NS*
Xylenes	µg/L	*3 U*	*3 U*	*NS*	*NS*
Semi-Volatile Organic Compounds	**Units**				
Naphthalene	µg/L	**2.1**	**1.8**	*NS*	*NS*
Total Volatile Organics	µg/L	**14.2**	**54.8**	*NS*	*NS*

Notes:

Bold = Analyte Detected
NS = Not Sampled
µg/L = Micrograms per liter
U = Analyte not detected above reporting limit
Naphthalene values included in total

Table C5-5
Cell 5 Groundwater Analytical Results

Sample ID		CO58-PZM001			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/11/2020	5/6/2020	9/9/2020	12/29/2020
Volatile Organic Compounds	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	µg/L	**0.37**	*1 U*	**0.68**	**0.9**
1,1-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone (MEK)	µg/L	**4.1**	*10 U*	*10 U*	*10 U*
2-Hexanone	µg/L	**2.8**	**0.98**	*10 U*	*10 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*10 U*	*10 U*	*10 U*	*10 U*
Acetone	µg/L	**15.8**	**20.5**	*10 U*	**17.1**
Acrylonitrile	µg/L	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	µg/L	**189**	**224**	**237**	**243**
Bromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Carbon disulfide	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Carbon tetrachloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	µg/L	*1 U*	**0.38**	*1 U*	*1 U*
Chloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	µg/L	**8.9**	**10.3**	**10.6**	**11.4**
Iodomethane	µg/L	*50 U*	*50 U*	*50 U*	*50 U*
Methyl tert-butyl ether (MTBE)	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Styrene	µg/L	**21.1**	**26.3**	**22.8**	**27.9**
Tetrachloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Toluene	µg/L	**75.6**	**89.6**	**63.3**	**68.5**
trans-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	µg/L	**142**	**174**	**166**	**197**
Semi-Volatile Organic Compounds	**Units**				
Naphthalene	µg/L	**3,060**	**1,940**	**1,950**	**8,170**
Total Volatile Organics	µg/L	**3,520**	**2,486**	**2,450**	**8,736**

Notes:

Bold = Analyte Detected
NS = Not Sampled
µg/L = Micrograms per liter
U = Analyte not detected above reporting limit
Naphthalene values included in total

Table C5-5
Cell 5 Groundwater Analytical Results

Sample ID		CO59-PZP002			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/7/2020	5/7/2020	9/8/2020	
Volatile Organic Compounds	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*NS*
1,1,1-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*NS*
1,1,2,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*NS*
1,1,2-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*NS*
1,1-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*NS*
1,1-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*NS*
1,2,3-Trichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*NS*
1,2-Dibromo-3-chloropropane	µg/L	*5 U*	*5 U*	*5 U*	*NS*
1,2-Dibromoethane	µg/L	*1 U*	*1 U*	*1 U*	*NS*
1,2-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*NS*
1,2-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*NS*
1,2-Dichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*NS*
1,4-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*NS*
2-Butanone (MEK)	µg/L	*10 U*	*10 U*	*10 U*	*NS*
2-Hexanone	µg/L	**1.6**	*10 U*	*10 U*	*NS*
4-Methyl-2-pentanone (MIBK)	µg/L	*10 U*	*10 U*	*10 U*	*NS*
Acetone	µg/L	**7.7**	**9.2**	**9.3**	*NS*
Acrylonitrile	µg/L	*4 U*	*4 U*	*4 U*	*NS*
Benzene	µg/L	*1 U*	**17**	*1 U*	*NS*
Bromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*NS*
Bromodichloromethane	µg/L	*1 U*	*1 U*	*1 U*	*NS*
Bromoform	µg/L	*1 U*	*1 U*	*1 U*	*NS*
Bromomethane	µg/L	*1 U*	**1.5**	*1 U*	*NS*
Carbon disulfide	µg/L	*1 U*	*1 U*	*1 U*	*NS*
Carbon tetrachloride	µg/L	*1 U*	*1 U*	*1 U*	*NS*
Chlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*NS*
Chloroethane	µg/L	*1 U*	*1 U*	*1 U*	*NS*
Chloroform	µg/L	*1 U*	*1 U*	*1 U*	*NS*
Chloromethane	µg/L	*1 U*	**1.1**	*1 U*	*NS*
cis-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*NS*
cis-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*NS*
Dibromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*NS*
Dibromomethane	µg/L	*1 U*	*1 U*	*1 U*	*NS*
Ethylbenzene	µg/L	*1 U*	**0.9**	*1 U*	*NS*
Iodomethane	µg/L	*50 U*	*50 U*	*50 U*	*NS*
Methyl tert-butyl ether (MTBE)	µg/L	*1 U*	*1 U*	*1 U*	*NS*
Methylene Chloride	µg/L	*1 U*	*1 U*	*1 U*	*NS*
Styrene	µg/L	*1 U*	*1 U*	*1 U*	*NS*
Tetrachloroethene	µg/L	*1 U*	*1 U*	*1 U*	*NS*
Toluene	µg/L	*1 U*	**6.3**	*1 U*	*NS*
trans-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*NS*
trans-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*NS*
trans-1,4-Dichloro-2-butene	µg/L	*5 U*	*5 U*	*5 U*	*NS*
Trichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*NS*
Trichlorofluoromethane	µg/L	*1 U*	*1 U*	*1 U*	*NS*
Vinyl Acetate	µg/L	*1 U*	*1 U*	*1 U*	*NS*
Vinyl chloride	µg/L	*1 U*	*1 U*	*1 U*	*NS*
Xylenes	µg/L	*3 U*	**11.9**	*3 U*	*NS*
Semi-Volatile Organic Compounds	**Units**				
Naphthalene	µg/L	**2.2**	**31.4**	**68.6**	*NS*
Total Volatile Organics	µg/L	**11.5**	**79.3**	**77.9**	*NS*

Notes:

Bold = Analyte Detected
NS = Not Sampled
µg/L = Micrograms per liter
U = Analyte not detected above reporting limit
Naphthalene values included in total

Table C5-5
Cell 5 Groundwater Analytical Results

Sample ID		CO60-PZP001			
Quarter		Q1	Q2	Q3	Q4
Event Date		2/7/2020	5/7/2020	9/9/2020	12/29/2020
Volatile Organic Compounds	**Units**				
1,1,1,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone (MEK)	µg/L	*10 U*	*10 U*	*10 U*	*10 U*
2-Hexanone	µg/L	*10 U*	**0.84**	*10 U*	*10 U*
4-Methyl-2-pentanone (MIBK)	µg/L	*10 U*	*10 U*	*10 U*	*10 U*
Acetone	µg/L	*10 U*	**15.1**	**8.2**	**27.8**
Acrylonitrile	µg/L	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	µg/L	*1 U*	**249**	**244**	**264**
Bromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	µg/L	*1 U*	**1.5**	*1 U*	**1**
Carbon disulfide	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Carbon tetrachloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	µg/L	*1 U*	**0.31**	**0.48**	**0.38**
Chloroethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	µg/L	*1 U*	**1.1**	*1 U*	*1 U*
cis-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	µg/L	*1 U*	**7**	**10.1**	**8.7**
Iodomethane	µg/L	*50 U*	*50 U*	*50 U*	**1.3**
Methyl tert-butyl ether (MTBE)	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Styrene	µg/L	*1 U*	**25.9**	**29.9**	**57.5**
Tetrachloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Toluene	µg/L	*1 U*	**35.1**	**23.7**	**60.7**
trans-1,2-Dichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	µg/L	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl chloride	µg/L	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	µg/L	*3 U*	**162**	**211**	**225**
Semi-Volatile Organic Compounds	**Units**				
Naphthalene	µg/L	**1.8**	**1,700**	**1,140**	**9,620**
Total Volatile Organics	µg/L	**1.80**	**2,198**	**1,667**	**10,266**

Notes:

Bold = Analyte Detected

NS = Not Sampled

µg/L = Micrograms per liter

U = Analyte not detected above reporting limit

Naphthalene values included in total

Table C6-1
Cell 6 LNAPL Recovery in Former Benzol Processing Area

Method	Recovery Period		Pre-2020		LNAPL Recovered Q1		LNAPL Recovered Q2		LNAPL Recovered Q3		LNAPL Recovered Q4		Cumulative Total LNAPL Recovered	
	Begin	End	(gal)	(lbs)[1]	(gal)	(lbs)[1]	(gal)	(lbs)[1]	(gal)	(lbs)[1]	(gal)	(lbs)[1]	(gal)	(lbs)[1]
Manual Skimming and Bailing	7/23/2010	2019	16,162	118,435	0	0	0	0	0	0	0	0	16,162	118,435
Pneumatic Skimming	12/17/2019	On-going	0	0	1,758	12,883	1,810	13,264	665	4,873	440	3,224	4,673	34,244
MPE System	10/1/2016	On-going	6,064	44,437	0	0	0	0	464	3,400	625	4,580	7,153	52,417
	Total Recovery		**22,226**	**162,872**	**1,758**	**12,883**	**1,810**	**13,264**	**1,129**	**8,273**	**1,065**	**7,804**	**27,988**	**205,096**

Notes:

NR=Not Recorded; Q4 amount represents the total annual recovery amount

[1] Weight is calculated based on average BP-MW-05 and BP-MW-08 oil density of 0.878 grams per cubic centimeter, measured by EA (2009) by ASTM Method D1481.

APPENDIX A

2020 Field Records

Quarter 1 2020

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA Qtr. Sampling	Project Number: 20010210
Well Number: C037-PZM038	Date: 2-4-20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): no FP	QED Controller Settings:
Depth to Water (ft): 12.~~82~~32	Flow Rate (mL/min) 300
Product Thickness (ft): -	Length of time Purged (min)
Depth to Bottom (ft): 49.86	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1423	0.4	12.45	16.06	12.21	2.120	9.25	139.5		
1428	0.8	12.43	16.15	12.35	2.169	1.48	136.2		
1433	1.2	12.43	16.18	12.43	2.176	0.92	131.2		
1438	1.6	12.43	16.60	12.50	2.172	0.71	125.7		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C037-PZM038	1443	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: TCV

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA Qtr. Sampling	Project Number: 20010210
Well Number: C042-PZM004	Date: 2-4-20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): no 40	QED Controller Settings:
Depth to Water (ft): 7.05	Flow Rate (mL/min) 250
Product Thickness (ft): –	Length of time Purged (min)
Depth to Bottom (ft): 16.37	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1337	0.25	7.25	14.70	9.79	1.372	3.53	154.9		
1342	0.5	7.68	14.22	9.28	1.350	1.18	163.6		
1347	0.75	8.03	14.17	9.07	1.342	1.23	165.5		
1352	1.0	8.41	13.87	8.92	1.325	1.78	167.2		
1357	1.25	8.74	13.80	8.79	1.304	2.12	169.4		
1402	1.5	9.01	13.83	8.71	1.300	2.13	170.5		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C042-PZM004	1407	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: TCV

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA Qtr. Sampling	Project Number: 20010 210
Well Number: C041- PZM036	Date: 2-4-20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): no 40	QED Controller Settings:
Depth to Water (ft): 13.63	Flow Rate (mL/min) 300
Product Thickness (ft): -	Length of time Purged (min)
Depth to Bottom (ft): 50.23	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1239	0.4	13.67	15.88	11.05	1.385	2.17	175.7		
1244	0.8	13.67	16.55	11.44	1.477	1.01	153.4		
1249	1.2	13.67	16.77	11.64	1.508	0.82	138.7		
1254	1.6	13.67	16.93	11.75	1.525	0.52	127.7		
1259	2.0	13.67	17.04	11.77	1.510	0.39	118.1		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C041-PZM036	1304	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: TCV

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: CoA Qtr Sampling	Project Number: 20010210
Well Number: C041- PZM001	Date: 2-4-20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): no 40	QED Controller Settings:
Depth to Water (ft): 12.33	Flow Rate (mL/min) 250
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 16.02	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1207	0.25	12.44	13.87	9.13	0.971	2.39	183.2		
1212	0.5	12.47	13.46	8.54	0.922	1.23	201.9		
1217	0.75	12.48	13.22	8.42	0.884	1.36	202.5		
1222	1.0	12.49	13.05	8.38	0.866	1.65	202.5		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C041 - PZM001	1227	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: TCV

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 10	Project Number:
Well Number: C059 - PZP002	Date: 2/7/21
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): –	QED Controller Settings:
Depth to Water (ft): 16.04	Flow Rate (mL/min): 375
Product Thickness (ft): –	Length of time Purged (min)
Depth to Bottom (ft): 19	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1145	0	16.04	12.4	10.23	2.157	7.98	43.4		
1150	.4		12.3	10.20	2.178	7.42	44.7		
1155	.8		12.1	10.21	2.156	7.14	46.0		
1200	1.2		12.2	10.15	2.147	7.08	47.1		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
	1205	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:
VOC + naph

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: CQA 10	Project Number:
Well Number: CQ60-P-3P001	Date: 2/7/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): -	QED Controller Settings:
Depth to Water (ft): 15.08	Flow Rate (mL/min) 350
Product Thickness (ft): -	Length of time Purged (min)
Depth to Bottom (ft): 19	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
0930	0	15.08	12.8	11.10	2.589	5.59	71.7		
0935	.4	15.1	12.6	11.16	2.556	4.39	36.5		
0940	.8	15.12	12.4	11.20	2.639	3.79	15.9		
0945	1.2		12.9	11.22	2.721	3.39	-2.2		
0950	1.6		12.6	11.24	2.764	3.21	-12.0		
0955	2		12.1	11.27	2.784	3.08	-20.1		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
	1000	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCE	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Vol 1 each

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA Q1	Project Number:
Well Number: LOSS-P2P001	Date: 2/7/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): —	QED Controller Settings:
Depth to Water (ft): 13.13	Flow Rate (mL/min) 375
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 17	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1030	.4		12.9	12.02	2.087	9.09	-6.9		
1035	.4		12.7	11.96	2.112	9.27	-11.5		
1040	.8		12.9	11.92	2.041	9.25	-14.7		
1045	1.2		12.6	11.93	2.000	9.29	-15.9		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
	1050	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

VOC 1 naph

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: CCA Q1	Project Number:
Well Number: CO24-P2M007	Date: 2/6/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): —	QED Controller Settings:
Depth to Water (ft): 13.47	Flow Rate (mL/min) 375
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 19	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1410	0	13.47	12.6	10.41	2.348	5.19	-93.1		
1415	.4	13.5	12.8	10.11	2.572	3.85	-112.2		
1420	.8	13.53	12.7	9.94	2.690	3.35	-122.5		
1425	1.2		13.0	9.86	2.745	3.08	-128.2		
1430	1.6		12.7	9.83	2.782	2.93	-132.9		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
	1435	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:
VOC map

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: CAN 10	Project Number:
Well Number: CO23-PZM608	Date: 2/6/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft):	QED Controller Settings:
Depth to Water (ft): 15.00	Flow Rate (mL/min) 400
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 22	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
B10	0	15	11.1	11.16	11.351	6.23	-185.2		
B15	.4	15	11.3	11.35	6.841	4.51	-226.4		
B20	.8	15.01	11.5	11.44	4.877	3.81	-232.6		
1325	1.2		11.8	11.48	4.245	3.40	-241.9		
1330	1.6		12.2	11.48	3.991	3.09	-253.1		
1335	2		12.5	11.47	4.005	2.91	-257.7		
1340	2.4		12.5	11.47	3.995	2.83	-260.1		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
	1345	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

VAC hard

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 5" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 10	Project Number:
Well Number: C056-PZP001	Date: 2/6/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): —	QED Controller Settings:
Depth to Water (ft): 15.20	Flow Rate (mL/min) 375
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 19.5	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1205	0	15.2	13.7	11.59	3.347	5.22	-155.8		
1210	.4		12.7	11.64	3.269	3.98	-170.9		
1215	.8		12.3	11.67	3.159	3.52	-170.4		
1220	1.2		11.6	11.70	3.158	3.24	-172.3		
1225	1.6		12.2	11.68	3.188	3.03	-174.0		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
	1230	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:
VOC naph

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: QA 10	Project Number:
Well Number: CO38 - PZM043	Date: 2/6/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): _	QED Controller Settings:
Depth to Water (ft): 7.19	Flow Rate (mL/min) 375
Product Thickness (ft): -	Length of time Purged (min)
Depth to Bottom (ft): 50.5	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1100	0	7.19	12.3	7.84	1.562	4.05	-200.0		
1105	.4		12.7	7.61	1.556	3.16	-189.3		
1110	.8		12.8	7.57	1.557	2.75	-184.9		
1115	1.2		12.8	7.46	1.561	2.56	-181.1		
1120	1.6		13.0	7.44	1.552	2.48	-179.8		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
	1125	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LMG

Comments:

VOC 1 naph

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA Q1	Project Number:
Well Number: C038-P2M006	Date: 2/6/25
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): -	QED Controller Settings:
Depth to Water (ft): 6.21	Flow Rate (mL/min) 350
Product Thickness (ft): -	Length of time Purged (min)
Depth to Bottom (ft): 16	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1020	0	6.21	10.1	10.30	2,321	7.41	-215.8		
1025	.4	6.23	11.4	10.47	2,334	4.81	-259.2		
1030	.8		12.0	10.47	2,339	3.75	-278.2		
1035	1.2		11.7	10.49	2,336	3.23	-286.9		
1040	1.6		11.8	10.48	2,333	2.91	-290.9		
1045	2		11.7	10.47	2,326	2.71	-293.2		
1050	2.4		11.8	10.45	2,309	2.61	-293.7		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
	1055	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

VOC + naph

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: GA Q1	Project Number:
Well Number: C027-P2M038	Date: 2/6/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): –	QED Controller Settings:
Depth to Water (ft): 8.43	Flow Rate (mL/min) 350
Product Thickness (ft): –	Length of time Purged (min)
Depth to Bottom (ft): 52	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (galions)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
0940	0	8.43	13.3	11.33	1.546	4.71	-293.3		
0945	.4		14.0	11.41	1.725	3.43	-301.2		
0950	.8		14.1	11.44	1.862	3.01	-310.7		
0955	1.2		14.2	11.49	1.896	2.78	-315.8		
1000	1.6		14.2	11.50	1.903	2.62	-319.3		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
	1005	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LMG

Comments: VOC + naph

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA Q1	Project Number:
Well Number: C027-P2M012	Date: 2/6/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): -	QED Controller Settings:
Depth to Water (ft): 4.58	Flow Rate (mL/min) 375
Product Thickness (ft): -	Length of time Purged (min)
Depth to Bottom (ft): 17.5	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
0858	0	4.58	9.9	10.91	1.637	8.84	-213.2		
0903	.4	4.6	12.1	11.32	1.638	5.72	-260.3		
0908	.8	4.62	12.3	11.32	1.656	4.67	-271.8		
0913	1.2		12.6	11.32	1.672	4.02	-280.6		
0918	1.6		12.6	11.33	1.678	3.63	-287.1		
0923	2		12.7	11.34	1.680	3.33	-292.4		
0928	2.4		12.7	11.36	1.685	3.15	-296.0		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	0933	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

VOC + naph

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 01	Project Number:
Well Number: C040-P2M008	Date: 2/5/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft):	QED Controller Settings:
Depth to Water (ft): 6.56	Flow Rate (mL/min) 350
Product Thickness (ft): -	Length of time Purged (min)
Depth to Bottom (ft): 18	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1425	.8	6.56	13.1	8.97	2.881	5.75	-74.8		
1430	.9	6.58	13.4	8.47	2.931	3.99	-110.9		
1435	1.8	6.60	13.3	8.69	2.970	3.27	-190.2		
1440	1.2		13.7	9.06	3.092	2.92	-238.1		
1445	1.6		13.8	9.26	3.046	2.76	-257.4		
1450	2		13.2	9.36	3.076	2.60	-267.0		
1455	2.4		13.5	9.46	3.097	2.61	-274.4		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
	1500	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

VOC + NAPH

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COH Q1	Project Number:
Well Number: C036-P2M043	Date: 2/5/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): –	QED Controller Settings:
Depth to Water (ft): 7.42	Flow Rate (mL/min) 350
Product Thickness (ft): –	Length of time Purged (min)
Depth to Bottom (ft): 53	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1335	0	7.42	10.0	12.03	1.999	6.09	-152.3		
1340	.4	7.42	13.0	11.92	2.213	3.60	-212.2		
1345	.8		13.3	11.89	2.210	3.26	-220.9		
1350	1.2		12.9	11.90	2.221	3.02	-229.4		
1355	1.6		13.0	11.89	2.222	2.88	-234.6		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
	1400	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LMG

Comments:
VOC + naph

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: CON 1st Q	Project Number:
Well Number: C036-PZM008	Date: 2/5/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): —	QED Controller Settings:
Depth to Water (ft): 6.78	Flow Rate (mL/min) 350
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 14	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1256	0	6.78	9.8	12.43	1.540	8.81	-154.5		
1301	.4	6.8	10.6	12.37	1.542	6.01	-142.8		
1306	.8	6.82	10.6	12.37	1.531	4.88	-143.3		
1311	1.2		10.6	12.35	1.488	4.30	-144.5		
1316	1.6		10.7	12.31	1.444	3.97	-145.0		
1321	2		10.9	12.28	1.411	3.76	-145.8		
1326	2.4		10.7	12.27	1.400	3.67	-146.1		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
	1331	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

VOC graph

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 5" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 1st Q.	Project Number:
Well Number: C039-P2M042	Date: 2/5/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): —	QED Controller Settings:
Depth to Water (ft): 8.68	Flow Rate (mL/min) 400
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 47	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1146	.8	8.68	11.0	12.49	3.059	5.80	-273.9		
1151	.4	8.68	12.3	12.44	3.062	3.47	-338.6		
1156	.8	8.68	12.4	12.43	3.016	3.13	-349.9		
1201	1.2		12.4	12.43	2.977	2.91	-357.1		
1206	1.6		12.2	12.43	2.951	2.78	-360.9		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
	1211	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LMG

Comments:
VOC + NAPL

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 1st Q	Project Number:
Well Number: C039-P2m007	Date: 2/5/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): -	QED Controller Settings:
Depth to Water (ft): 6.57	Flow Rate (mL/min)
Product Thickness (ft): -	Length of time Purged (min)
Depth to Bottom (ft): 18	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1106	0	6.59	10.9	11.05	3.093	8.99	-169.7		
1111	.4	6.67	11.6	11.56	3.175	5.86	-188.3		
1116	.8	6.77	11.3	11.57	3.185	4.75	-205.8		
1121	1.2	6.87	11.2	11.55	3.196	4.11	-220.8		
1126	1.6		11.3	11.51	3.206	3.73	-231.8		
1131	2		11.1	11.48	3.207	3.52	-238.3		
1136	2.4		11.2	11.47	3.203	3.43	-241.0		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
	1141	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LMG

Comments:

VOCs + naph

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: LOA 1st Q	Project Number:
Well Number: CO101 - PZM-xxx	Date: 2/4/20 - 2/5/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): –	QED Controller Settings:
Depth to Water (ft): 12.02	Flow Rate (mL/min) 200
Product Thickness (ft): –	Length of time Purged (min)
Depth to Bottom (ft): 15	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
CO101 - PZM-xxx	2/5/20 @ 1035	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LMG

Comments: purged dry
VOCs + naph

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 5" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 1st Q.	Project Number:
Well Number: C018-PZM006	Date: 2/5/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): —	QED Controller Settings:
Depth to Water (ft): 11.98	Flow Rate (mL/min) 400
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 26	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
0956	0	11.98	10.3	7.83	1.851	8.58	-205.4		
1001	.4	12.48	13.9	7.03	1.879	5.51	-148.1		
1006	.8	12.98	14.1	6.89	1.865	4.15	-134.9		
1011	1.2	13.48	12.7	6.83	1.834	3.58	-128.6		Δ flow
1016	1.6	13.28	10.5	6.83	1.851	3.35	-122.9		
1021	2	13.08	9.6	6.78	1.800	3.19	-116.4		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
C018-PZM006	1026	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LMG

Comments:
VOCs + Na/h

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: CCA 1st Q.	Project Number:
Well Number: C093-PZM	Date: 2/5/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): —	QED Controller Settings:
Depth to Water (ft): 10.43	Flow Rate (mL/min) 350
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 20	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
0900	0	10.43	10.8	8.58	0.594	10.27	-93.0		
0905	.4	10.45	11.0	8.46	0.535	7.24	-180.6		
0910	.8	10.49	11.7	9.19	0.598	5.81	-256.7		
0915	1.2	10.49	11.8	10.06	0.797	4.91	-300.6		
0920	1.5		12.4	11.63	1.233	4.25	-325.3		
0925	1.9		12.8	11.80	1.444	3.83	-334.1		
0930	2.3		12.2	11.78	1.396	3.55	-339.8		
0935	2.7		12.6	11.74	1.392	3.40	-341.8		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
C093-PZM	0940	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LMG

Comments:
VOC trip

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: CON 1st Q	Project Number:
Well Number: C002-PZM006	Date: 2/4/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): -	QED Controller Settings:
Depth to Water (ft): 14.56	Flow Rate (mL/min) 375
Product Thickness (ft): -	Length of time Purged (min)
Depth to Bottom (ft): 19	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.,) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1400	0	14.56	15.1	9.34	1.757	7.10	-50.0		
1405	.4	14.57	16.8	8.23	1.728	4.74	-108.7		
1410	.8	14.59	16.9	8.10	1.739	3.94	-176.1		
1415	1.2	14.61	16.4	8.03	1.725	3.49	-196.2		
1420	1.6		16.5	8.01	1.725	3.17	-209.4		
1425	2.		16.4	8.00	1.715	2.92	-221.9		
1436	2.4		16.4	7.99	1.711	2.77	-228.8		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
C002-PZM006	1435	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LMG

Comments:
VOC 1 naph

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 5" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 1st Qtr	Project Number:
Well Number: C0103-PZMxxx	Date: 2/4/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): -	QED Controller Settings:
Depth to Water (ft): 12.89	Flow Rate (mL/min) 350
Product Thickness (ft): -	Length of time Purged (min)
Depth to Bottom (ft): 21	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1245	0	12.89	15.2	12.44	4.729	7.47	-79.9		
1250	.4	12.9	15.9	12.58	5.567	5.03	-132.2		
1255	.8	12.91	16.2	12.58	5.204	4.14	-157.1		
1300	1.2	12.92	16.4	12.57	4.832	3.63	-174.7		
1305	1.6		16.2	12.56	4.278	3.37	-184.4		
1310	2		16.6	12.48	4.167	3.11	-184.8		
1315	2.4		16.7	12.41	4.002	2.94	-180.1		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
C0103-PZMxxx	1320	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LMG

Comments:

VOC + MSD

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: CCA 1st Q	Project Number:
Well Number: C0102-PZMxxx	Date: 2/4/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): –	QED Controller Settings:
Depth to Water (ft): 12.33	Flow Rate (mL/min) 350
Product Thickness (ft): –	Length of time Purged (min)
Depth to Bottom (ft): 19	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1157	0	12.33	16.2	12.28	2.519	6.35	-146.1		
1202	0.4	12.33	16.8	12.21	2.583	4.90	-162.0		
1207	0.8	12.34	16.9	12.22	2.625	4.09	-171.6		
1212	1.2	12.34	16.6	12.22	2.640	3.66	-186.8		
1217	1.6		16.7	12.22	2.637	3.38	-193.0		
1222	2		16.8	12.21	2.643	3.14	-196.5		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
C0102-PZMxxx	1227	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:
VOC + naph

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 5" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 7th Qu.	Project Number:
Well Number: C030-PZM060	Date: 2/4/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): —	QED Controller Settings:
Depth to Water (ft): 13.81	Flow Rate (mL/min) 350
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 75.15	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1110	0	13.81	15.7	8.01	10.903	5.24	-240.6		
1115	.4	13.82	15.3	7.35	10.877	3.67	-196.6		
1120	.8	13.83	15.8	7.26	10.829	3.22	-189.1		
1125	1.2		15.9	7.22	10.860	3.03	-187.3		
1130	1.6		16.2	7.22	10.910	2.85	-186.7		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
C030-PZM060	1135	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LMG

Comments:
VOC trap

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 5" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 1st Qu.	Project Number:
Well Number: C030-PZM015	Date: 2/4/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): —	QED Controller Settings:
Depth to Water (ft): 11.82	Flow Rate (mL/min) 375
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 28.5	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1035	0	11.82	15.9	12.51	3.357	7.29	-28.3		
1040	.5	11.82	16.2	12.44	3.484	5.23	-98.6		
1045	1	11.82	16.2	12.44	3.576	4.39	-138.9		
1050	1.5		16.4	12.44	3.536	3.87	-165.5		
1055	1.9		16.3	12.45	3.553	3.56	-181.3		
1100	2.3		16.3	12.45	3.561	3.38	-189.0		
1105	2.7		16.5	12.45	3.573	3.25	-194.0		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
C030-PZM015	1110	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LMG

Comments:

VOC 1 naph

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: LCH Quart	Project Number:
Well Number: C0104-PZMxxx	Date: 2/4/26
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): —	QED Controller Settings:
Depth to Water (ft): 12.89	Flow Rate (mL/min) 400
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 19.5	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
0921	0	12.89	14.4	9.54	9.214	8.39	230.9		
0931	.5	14.01	15.5	10.41	8.185	6.28	219.5		
0936	1	15.36	15.2	9.72	4.468	6.70	206.8		
0941	1.5	16.79	15.3	9.73	5.095	7.13	212.3		
0946	2	18.03	15.5	9.98	6.481	7.06	215.5		
0951	2.5	19	15.8	10.14	7.186	7.24	213.8		
~~0956~~	~~3~~		purged	dry					
1053	0.3	14.38	16.19	9.64	5.925	3.01	218.0		
1058	0.6	14.95	15.99	9.80	6.839	2.93	211.8		
1103	0.9	15.42	15.98	9.85	7.186	2.93	209.0		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
C0104-PZMxxx	1000	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments: parameter stabilization looks off. Will collect subset of VOC + NaOH purge data w/ YSI pine rental ETA onsite @ 1100

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: CON 10	Project Number:
Well Number: CO26-P2M008	Date: 2/11/26
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): —	QED Controller Settings:
Depth to Water (ft): 10.73	Flow Rate (mL/min) 350
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 19	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
0900	0	10.73	13.0	8.03	0.465	9.68	11.2		
0905	.4	10.83	14.2	8.54	0.410	7.75	40.5		
0910	.8	10.93	14.2	8.51	0.399	7.35	57.5		
0915	1.2		13.7	8.45	0.389	7.39	67.0		
0920	1.6		14.0	8.45	0.391	7.45	75.2		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
	0925	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments: VOC + naph

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 5" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: CON 10	Project Number:
Well Number: CO26-P7IN032	Date: 2/11/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): —	QED Controller Settings:
Depth to Water (ft): 14.83	Flow Rate (mL/min) 350
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 45	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
0940	0	14.83	14.7	7.44	15.451	6.11	-151.5		
0945	.4	14.89	15.3	7.56	15.608	4.25	-174.3		
0950	.8	14.94	15.5	7.55	16.075	3.41	-179.8		
0955	1.2		15.6	7.49	16.154	3.04	-172.9		
1000	1.6		15.6	7.47	16.194	2.84	-170.4		
1005	2		15.5	7.42	16.258	2.62	-164.6		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
	1010	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: JMG

Comments:
see COC

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COH 10	Project Number:
Well Number: COS 8 - P2M001	Date: 2/11/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): —	QED Controller Settings:
Depth to Water (ft): 13.78	Flow Rate (mL/min) 350
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 19.5	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1055	.3	13.8	11.8	12.24	3.695	6.63	-88.5		
1100	.8	13.8	12.0	12.05	2.351	5.27	-107.7		
1105	1.2	13.8	12.1	11.99	2.413	5.11	-114.7		
1110	1.6		12.5	12.02	2.566	4.82	-124.2		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
	1115	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:
VOC, naph

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

AKM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 10	Project Number:
Well Number: C057-BZP002	Date: 2/11/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): –	QED Controller Settings:
Depth to Water (ft): 15.33	Flow Rate (mL/min): 350
Product Thickness (ft): –	Length of time Purged (min)
Depth to Bottom (ft): 18.5	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1210	0	15.33	12.8	12.17	1.999	9.44	-31.4		
1215	.4	15.38	13.1	12.20	2.156	7.85	-58.3		
1220	.8	15.43	13.0	12.21	2.206	7.15	-66.6		
1225	1.2		13.3	12.21	2.223	6.70	-71.4		
1230	1.6		13.4	12.21	2.229	6.53	-73.0		
1235	2		13.3	12.22	2.232	6.44	-73.8		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected
	1240	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) Field Filtered	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) Field Filtered	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LMG

Comments:
VOC 9 pack

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Quarter 2 2020

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 2nd Q	Project Number:
Well Number: CO 104-RMxxx	Date: 5/11/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 12.55	Flow Rate (mL/min) 250
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 19.53	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
0840	0.25	12.55	15.7	9.40	7.368	8.47	223.3		
0845	0.5	12.88	15.3	9.42	6.886	9.38	198.8		
0850	0.75	13.21	15.1	9.46	6.515	9.75	180.1		
0855	1	13.54	15.1	9.46	5.310	10.29	164.6		
0900	1.25	13.87	14.9	9.46	5.421	10.42	158.8		
0905	1.5	14.21	15.0	9.48	5.866	10.36	154.4		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	0910	TCL-VOCs	3 - 40 mL VOA	HCl	Y
		TPH-GRO	3 - 40 mL VOA	HCl	N
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: CAH 20	Project Number:
Well Number: 0103-PZMxx	Date: 5/4/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 12.66	Flow Rate (mL/min) 275
Product Thickness (ft): -	Length of time Purged (min)
Depth to Bottom (ft): 20.78	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
0920	.25	12.66	17.0	9.09	0.290	7.63	78.9		
0925	.5	12.68	17.3	9.62	0.2608	7.20	66.8		
0930	.75	12.7	17.4	10.04	0.268	7.39	56.5		
0935	1	12.72	17.5	10.45	0.277	7.19	38.5		
0940	1.25	.74	17.6	10.77	0.298	6.84	23.9		
0945	1.5	.76	18.3	10.86	0.300	6.69	17.7		
0950	1.75	.76	18.5	10.95	0.331	6.48	15.5		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	0955	TCL-VOCs	3 - 40 mL VOA	HCl	Y
		TPH-GRO	3 - 40 mL VOA	HCl	N
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: LOA 20	Project Number:
Well Number: 030-P2M015	Date: 5/4/2010
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 11.60	Flow Rate (mL/min) 300
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 27.81	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1015	.3	11.66	18.4	12.11	2.087	4.68	-189.3		
1020	.6	11.67	18.2	12.19	2.139	3.09	-243.9		
1025	.9	11.68	18.5	12.22	2.227	2.60	-240.9		
1030	1.2	.69	18.5	12.23	2.250	2.30	-245.8		
1035	1.5	.7	18.7	12.23	2256	2.12	-250.2		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1040	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: MW 20	Project Number:
Well Number: MW20-PERMA	Date: 5/4/2020
Well Diameter (in): 1	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 13.53	Flow Rate (mL/min) 300
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 23.56	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1045	.3	13.53	17.7	7.26	8.362	4.61	-237.1		
1050	.6	13.57	17.7	7.32	8.396	2.94	-235.1		
1055	.9	13.161	19.0	7.33	8.403	2.40	-218.2		
1100	1.2	13.65	19.2	7.34	8.419	2.07	-203.8		
1105	1.5	13.7	19.3	7.36	8.456	1.92	-204.2		
1110	1.8	13.78	19.5	7.37	8.442	1.85	-203.8		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1115	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: KMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 20	Project Number:
Well Number: CO102-PZMxx	Date: 6/4/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 12.23	Flow Rate (mL/min) 350
Product Thickness (ft): -	Length of time Purged (min)
Depth to Bottom (ft): 19.5	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1205	.3	12.23	18.2	12.10	2.043	4.91	-206.2		
1210	.6	12.23	18.3	12.08	1.983	3.48	-218.0		
1215	.9		18.8	12.08	1.989	2.80	-234.2		
1220	1.2		18.8	12.08	1.987	2.54	-237.1		
1225	1.5		18.9	12.08	1.979	2.34	-241.0		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1230	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: CSA 20	Project Number:
Well Number: CO93-PZMxxx	Date: 5/4/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 10.00	Flow Rate (mL/min) 400
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 19.78	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1245	.4	10.00	18.9	8.31	0.463	4.75	-202.7		
1250	.8	10.00	19.9	8.50	0.957	3.88	-240.2		
1255	1.2		19.9	8.93	0.487	2.53	-290.2		
1300	1.6		19.7	9.18	0.570	2.27	-317.6		
1305	1.9		19.4	9.55	0.578	2.03	-346.2		
1310	2.3		18.2	11.02	0.807	1.88	-402.4		
1315	2.5		18.2	11.12	0.895	1.81	-411.1		
1320	2.9		18.4	11.20	0.995	1.74	-417.6		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1325	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMH

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 20	Project Number:
Well Number: C018-P7MW06	Date: 5/4/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 11.58	Flow Rate (mL/min) 400
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 20	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1345	.4	11.58	21.8	6.53	1.497	5.12	-148.2		
1350	.8	11.66	21.7	6.62	1.468	2.98	-138.8		
1355	1.2	11.72	21.7	6.64	1.456	2.31	-137.4		
1400	1.6	11.8	21.5	6.65	1.456	2.03	-136.7		
1405	2	11.89	21.4	6.67	1.451	1.88	-136.4		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1410	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 20	Project Number:
Well Number: C002-P2M006	Date: 5/4/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 14.22	Flow Rate (mL/min) 300
Product Thickness (ft): –	Length of time Purged (min)
Depth to Bottom (ft): 19	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1430	.3	14.22	21.4	8.02	1.015	3.57	-192.9		
1435	.6	14.22	21.1	7.94	1.058	2.59	-215.9		
1440	.9	|	21.2	7.86	1.087	2.11	-239.9		
1445	1.2	|	20.9	7.82	1.111	1.89	-258.5		
1450	1.5	|	21.0	7.79	1.118	1.75	-271.9		
1455	1.8	|	20.8	7.75	1.124	1.64	-284.4		
1500	2.1	|	20.7	7.73	1.125	1.59	-296.1		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1505	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 20	Project Number:
Well Number: CO 101-P3MxxD	Date: 5/4/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 11.72	Flow Rate (mL/min) 400
Product Thickness (ft): –	Length of time Purged (min)
Depth to Bottom (ft): 14.96	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1135	.5		16.9	11.69	1.199	5.76	-176.7		
Purged	gone	dry							

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	5/5/2020 0815	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: POA 20	Project Number:
Well Number: C036-PZM008	Date: 5/5/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 6.58	Flow Rate (mL/min) 300
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 14.22	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
0840	.25	6.58	13.8	11.66	1.227	7.35	172.5		
0845	.5	6.68	13.8	11.64	1.248	4.80	-4.3		
0850	.75	6.78	14.5	11.57	1.261	3.74	-39.7		
0855	1	.88	14.4	11.39	1.033	3.26	-47.8		
0900	1.25	.98	13.9	11.39	1.037	3.09	-51.1		
0905	1.5	7.09	14.0	11.41	1.066	2.80	-57.2		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	0910	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: LOA 2Q	Project Number:
Well Number: SQ36-PZM043	Date: 5/5/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 7.23	Flow Rate (mL/min) 400
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 52.96	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
0915	.2	7.23	15.6	11.10	2.120	5.74	-93.4		
0920	.7	7.25	16.3	11.27	2.447	3.62	-136.6		
0925	1.1	.27	16.3	11.26	2.562	2.79	-164.3		
0930	1.5	.29	16.4	11.26	2.610	2.43	-183.5		
0935	1.9	.31	16.6	11.23	2.767	2.20	-197.2		
0940	2.3	.32	17.0	11.21	2.926	2.07	-207.5		
0945	2.7	.34	16.9	11.24	2.971	2.05	-212.6		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	0950	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: KMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: 10A 20	Project Number:
Well Number: 1038 - MW16	Date: 5/5/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 10.09	Flow Rate (mL/min) 375
Product Thickness (ft): -	Length of time Purged (min)
Depth to Bottom (ft): 15.98	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1000	.4	10.09	14.8	10.61	1.873	4.09	-244.6		
1005	.8	10.09	14.8	10.58	1.870	2.96	-264.0		
1010	1.2	/	14.8	10.52	1.870	2.47	-275.6		
1015	1.6	/	14.8	10.51	1.871	2.23	-283.6		
1020	2	/	14.9	10.49	1.869	2.06	-291.7		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1025	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 29	Project Number:
Well Number: CO38-P2M043	Date: 5/5/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 6.92	Flow Rate (mL/min) 400
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 50.56	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1030	.4	6.92	16.7	7.58	1.257	3.48	-188.0		
1035	.8	7.12	16.9	7.57	1.256	2.78	-186.4		
1040	1.2	.32	17.0	7.56	1.256	2.28	-183.9		
1045	1.6	.52	16.7	7.56	1.257	2.06	-180.8		
1050	2	.72	16.7	7.55	1.255	1.92	-179.3		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1055	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 20	Project Number:
Well Number: CO27-PZM012	Date: 7/5/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 4.67	Flow Rate (mL/min) 406
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 17.62	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1110	0	4.67	10.8	8.18	0.017	8.87	-7.9		
1115	.4	.68	14.9	11.16	1.331	4.66	-235.8		
1120	.8	.68	14.9	11.16	1.336	3.29	-266.2		
1125	1.2	.69	15.1	11.15	1.338	2.66	-284.1		
1130	1.6	.69	15.4	11.15	1.337	2.36	-294.0		
1135	2	.7	15.2	11.15	1.327	2.17	-301.7		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1140	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: WMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: CAA 2Q	Project Number:
Well Number: CO27-P7M-046	Date: 5/5/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 7.72	Flow Rate (mL/min) 400
Product Thickness (ft): -	Length of time Purged (min)
Depth to Bottom (ft): 51.23	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1145	.4	7.72	16.3	9.00	1.099	2.26	-294.2		
1150	.8	.76	16.4	9.79	1.096	1.91	-314.9		
1155	1.2	.8	16.1	11.09	1.149	1.75	-347.5		
1200	1.6	.84	16.2	11.45	1.299	1.66	-360.1		
1205	2	.88	16.0	11.50	1.344	1.61	-362.9		
1210	2.4	.92	16.0	11.53	1.3605	1.59	-362.4		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1215	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 20	Project Number:
Well Number: C039-PZM007	Date: 5/5/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 5.80	Flow Rate (mL/min) 400
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 18.08	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1240	.4	~.8	14.9	10.96	2.543	9.72	-236.8		
1245	.8	5.85	14.6	11.12	2.555	3.52	-255.1		
1250	1.2	.9	14.5	11.12	2.558	2.46	-265.8		
1255	1.6	.95	14.4	11.11	2.560	2.48	-272.2		
1300	2	6.0	14.2	11.11	2.565	2.31	-275.8		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1305	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMB

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 20	Project Number:
Well Number: C039-PZM042	Date: 5/5/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 8.07	Flow Rate (mL/min) 400
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 46.88	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1310	.25	8.07	14.5	12.01	2.428	5.28	-304.2		
1315	.7		14.4	12.06	2.562	3.15	-326.1		
1320	1.3		14.5	12.07	2.573	2.52	-353.3		
1325	1.7		14.7	12.05	2.577	2.14	-366.0		
1330	2		14.7	12.05	2.574	1.98	-371.0		
1335	2.4		14.7	12.04	2.5106	1.88	-376.1		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1340	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 20	Project Number:
Well Number: C040-P2M008	Date: 5/5/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 6.22	Flow Rate (mL/min) 350
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 17.87	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1350	.25	6.22	15.8	7.73	1.874	5.66	-161.0		
1355	.5		15.4	7.75	1.518	3.30	-155.0		
1400	.8		15.9	7.76	1.862	2.67	-160.2		
1405	1.1		16.1	7.82	1.877	2.30	-171.4		
1410	1.4		16.5	7.91	1.885	2.09	-181.0		
1415	1.8		16.8	7.94	1.890	1.93	-190.2		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1420	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 20	Project Number:
Well Number: C042-PZM004	Date: 5/5/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 5.89	Flow Rate (mL/min) 300
Product Thickness (ft): –	Length of time Purged (min)
Depth to Bottom (ft): 16.72	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1435	.3	5.89	15.9	7.69	1.091	4.45	-38.8		
1440	.6	↓	15.8	7.71	1.093	3.81	-30.7		
1445	.9	↓	15.4	7.69	1.093	3.59	-22.8		
1450	1.2	↓	15.2	7.63	1.095	3.58	-13.1		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1455	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 20	Project Number:
Well Number: C037 - PZM038	Date: 5/6/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 11.72	Flow Rate (mL/min) 375
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 50.88	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
0900	.4	11.72	13.9	12.07	2.113	4.84	-250.0		
0905	.8	|	14.0	12.04	2.154	3.46	-285.9		
0910	1.2	|	14.1	12.03	2.178	2.87	-304.4		
0915	1.6	|	14.2	12.03	2.189	2.53	-316.2		
0920	2	|	14.1	12.03	2.196	2.28	-326.2		
0925	2.4		14.3	12.02	2.206	2.14	-331.6		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	0930	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 2Q	Project Number:
Well Number: 041-PZM001	Date: 5/6/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 11.73	Flow Rate (mL/min) 300
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 16.07	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
0950	.3	11.73	14.5	7.51	0.749	5.40	-96.2		
0955	.6	.76	15.0	7.51	0.743	4.35	-14.1		
1000	.9	.79	14.6	7.53	0.751	3.70	6.0		
1005	1.2	.82	14.8	7.52	0.749	3.27	-49.6		
1010	1.5	.85	15.2	7.59	0.750	3.01	-94.2		
1015	1.8	.88	15.2	7.62	0.752	2.88	-102.1		
1020	2.1	.91	15.2	7.64	0.749	2.83	-110.9		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1025	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 29	Project Number:
Well Number: 1041-PZMW36	Date: 5/6/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 13.26	Flow Rate (mL/min) 300
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 50.76	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1030	.3	13.26	15.6	11.15	1.443	4.91	-272.9		
1035	.6	.28	14.2	11.29	1.474	2.69	-313.3		
1040	.9	.3	14.4	11.28	1.482	2.13	-328.7		
1045	1.2	.32	14.2	11.29	1.493	1.89	-340.9		
1050	1.5	.34	14.1	11.30	1.496	1.74	-349.9		
1055	1.8	.36	14.1	11.29	1.502	1.64	-354.8		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1108	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 20	Project Number:
Well Number: COA20-PZP001	Date: 5/6/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 14.79	Flow Rate (mL/min) 250
Product Thickness (ft): _	Length of time Purged (min)
Depth to Bottom (ft): 19.48	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1120	.25	14.74	13.1	11.57	3.208	5.34	-168.6		
1125	.5	.84	13.7	11.59	3.281	3.27	-179.6		
1130	.75	.94	13.7	11.62	3.281	2.54	-189.3		
1135	1	15.04	13.7	11.65	3.231	2.19	-192.8		
1140	1.25	.14	13.9	11.66	3.189	1.99	-194.4		
1145	1.5	.24	14.0	11.68	3.152	1.87	-194.6		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1150	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COF 26	Project Number:
Well Number: C057-P-P002	Date: 5/16/2016
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 15.08	Flow Rate (mL/min) 250
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 18.34	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1235	.25	15.08	11.9	12.16	2.042	7.79	-91.7		
1240	.5	.13	11.8	12.23	2.228	5.66	-97.6		
1245	.75	.18	11.8	12.25	2.259	4.69	-96.7		
1250	1	.23	11.9	12.25	2.270	4.39	-95.3		
1255	1.25	.28	12.1	12.24	2.269	4.21	-94.0		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1305	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 20	Project Number:
Well Number: 0058-PZMW01	Date: 5/6/2026
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 13.17	Flow Rate (mL/min) 300
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 19.72	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1320	.3	13.17	12.9	12.12	3.604	6.72	-126.5		
1325	.6	"	13.3	12.16	3.925	3.42	-156.2		
1330	.9	"	13.3	12.16	3.938	2.68	-165.9		
1335	1.2	"	13.5	12.15	3.664	2.33	-169.6		
1340	1.5	"	12.8	12.10	3.405	2.24	-166.1		
1345	1.8	"	12.4	12.06	3.161	2.30	-159.5		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1350	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: NAA 20	Project Number:
Well Number: 1026-PZMW07	Date: 5/6/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 11.51	Flow Rate (mL/min) 250
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 19.48	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1420	.25	11.51	13.8	9.10	0.888	2.87	-19.0		
1425	.5	12.17	13.9	9.14	0.882	2.50	-17.1		
1430	.75	12.84	13.9	9.32	0.916	2.27	-32.5		
1435	1	13.50	14.0	10.80	1.393	2.06	-106.4		
1440	1.25	14.19	14.1	10.76	1.418	1.93	-110.2		
1445	1.5	14.83	14.2	10.83	1.435	1.88	-119.8		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1450	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: WMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 20	Project Number:
Well Number: COS5-P2M000	Date: 5/6/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 13.96	Flow Rate (mL/min) 250
Product Thickness (ft): –	Length of time Purged (min)
Depth to Bottom (ft): 17.36	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1210	.25		12.9	12.21	1.765	8.56	-112.7		
1215	5		13.2	12.16	1.786	8.46	-99.6		
purged dry									

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1505	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: CON 20	Project Number:
Well Number: C060-PZP001	Date: 5/7/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 14.69	Flow Rate (mL/min) 400
Product Thickness (ft): -	Length of time Purged (min)
Depth to Bottom (ft): 19.32	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
0845	1.4	14.69	12.5	10.97	2.852	7.03	167.6		
0850	1.8	14.69	13.8	11.11	2.839	4.27	120.9		
0855	1.2	|	13.9	10.85	2.182	3.45	98.9		
0900	1.6	|	14.1	10.96	2.169	3.00	72.2		
0905	2	|	14.3	11.09	2.218	2.66	38.9		
0910	2.4	|	14.4	11.15	2.280	2.44	12.5		
0915	2.8	|	14.6	11.22	2.359	2.24	2.8		
0920	3.2	|	14.7	11.26	2.421	2.12	-4.1		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	0925	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 20	Project Number:
Well Number: C052 P20002	Date: 5/1/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NONE	QED Controller Settings:
Depth to Water (ft): 15.58	Flow Rate (mL/min) 200
Product Thickness (ft): -	Length of time Purged (min)
Depth to Bottom (ft): 19	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
0945	.3	15.58	13.2	5.05	2,191	6.75	201.2		
0950	.6		12.8	11.14	2,189	5.65	75.3		
0955	.9		12.1	11.27	2,144	5.20	43.1		
1000	1.2		12.4	11.45	2,158	5.09	23.5		
1005	1.5		12.6	11.46	2,145	4.97	13.1		
1010	1.8		13.7	11.44	2,149	4.60	7.6		
1015	2.1		12.7	11.81	2.403	4.24	-6.4		
1020	2.4		13.9	11.89	2.521	4.12	-6.2		
1025	2.7		13.8	11.95	2,620	4.06	-10.4		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1030	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA 20	Project Number:
Well Number: CO23-P7M108	Date: 5/7/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 15.48	Flow Rate (mL/min) 350
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 27.20	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1050	.3	15.48	11.5	11.36	4.34P	2.A	-293.0		
1055	.6	|	12.4	11.47	4.168	2.16	-305.9		
1100	.9	|	17.3	11.46	3.954	1.82	-304.9		
1105	1.2	|	17.2	11.46	3.890	1.73	-299.1		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1110	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: CSM 20	Project Number:
Well Number: CS24-PZMW07	Date: 5/7/2020
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): none	QED Controller Settings:
Depth to Water (ft): 14.18	Flow Rate (mL/min) 350
Product Thickness (ft): —	Length of time Purged (min)
Depth to Bottom (ft): 22.46	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1130	.3	14.10	16.1	10.14	2.292	4.00	-113.8		
1135	.6	.16	15.8	10.18	2.264	2.68	-115.5		
1140	.9	.21	15.9	10.09	2.361	2.14	-139.2		
1145	1.2	.27	15.7	10.01	2.453	1.90	-156.1		
1150	1.5	.31	15.9	9.95	2.511	1.74	-166.8		
1155	1.8	.37	15.9	9.91	2.546	1.65	-172.6		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
	1200	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LMG

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Quarter 3 2020

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA GW	Project Number:
Well Number: C042-PZM004	Date: 9/28/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NA	QED Controller Settings:
Depth to Water (ft): 7.92	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 16.36	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
926	0.0	8.05	21.98	5.11	0.568	0.0	49		
931	0.4	8.36	21.79	6.14	0.571		-93		
936	0.8	8.58	21.68	6.55	0.567		-122		
941	1.2	8.89	21.61	6.65	0.557		-137		
946	1.6	9.00	21.61	6.65	0.547		-141		
951	2.0	9.17	21.65	6.60	0.544		-139		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
		TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
C042-PZM004	955	TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: UP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA GW	Project Number:
Well Number: C058-PZM001	Date: 9/9/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NA	QED Controller Settings:
Depth to Water (ft): 13.05	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 19.25	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1046	0.0	13.08	24.34	11.79	2.39	0.66	-67		
1051	0.4	13.12	24.47	10.76	2.33	0.0	-1		
1056	0.8	13.14	24.57	10.52	2.32	0.0	35		
1101	1.2	13.17	24.73	10.26	2.33	0.0	62		
1106	1.6	13.18	24.91	10.08	2.35	0.0	75		
1111	2.0	13.20	25.08	9.99	2.34	0.0	84		
1116	2.4	13.20	25.24	9.92	2.34	0.0	90		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C058-PZM001	1125	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LLP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA GW	Project Number:
Well Number: C026-PZM007	Date: 9/9/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NA	QED Controller Settings:
Depth to Water (ft): 11.20	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 19.32	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
952	0.0	12.17	23.45	10.13	0.172	1.06	98		
957	0.4	13.28	23.58	9.93	0.151	0.0	117		
1002	0.8	14.52	23.64	9.82	0.152	0.0	123		
1007	1.2	15.01	23.70	9.74	0.156	0.0	117		
1012	1.6	15.35	23.74	9.69	0.159	0.0	108		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C026-PZM007	1020	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LCP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA GW	Project Number:
Well Number: C060-PZP001	Date: 9/9/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NA	QED Controller Settings:
Depth to Water (ft): 18.95	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 14.54	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
858	0.0	14.54	22.62	10.56	1.68	0.80	58		
903	0.35	14.53	21.46	11.87	2.83	0.0	-1		
908	0.70	14.53	21.23	11.93	2.79	0.0	-18		
913	1.05	14.53	21.93	11.87	2.67	0.0	-28		
918	1.40	14.53	22.26	11.94	2.63	0.0	-42		
923	1.75	14.53	21.45	12.02	2.74	0.0	-38		
928	2.10	14.53	22.45	11.93	2.68	0.0	-32		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C060-PZP001	930	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: CLP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA GW	Project Number:
Well Number: C055-PZM000	Date: 9/9/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NA	QED Controller Settings:
Depth to Water (ft): 13.74	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 17.15	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
814	0.0	14.50	21.09	11.32	2.50	264	-9		
819	0.3	15.62	21.16	11.35	2.47	0.0	-30		
824	0.6	16.05	21.43	11.58	1.63	0.0	-4		
829	0.9	16.37	21.66	11.43	1.36	0.0	-7		
	Almost Dry; Sampled								

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C055-PZM000	830	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LCP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA GW	Project Number:	
Well Number:	C056-PZP001	Date:	9/8/20
Well Diameter (in):	2	One Well Volume (gal):	
Depth to Product (ft):	NA	QED Controller Settings:	
Depth to Water (ft):	15.59	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	19.15	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1513	0.0	15.59	32.79	10.95	2.91	2.19	-14		
1518	0.4	15.59	32.23	11.45	2.85	0.0	-78		
1523	0.8	15.59	31.71	11.47	2.85	0.0	-86		
1528	1.2	15.59	31.50	11.51	2.86	0.0	-93		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C056-PZP001	1530	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: UP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA GW	Project Number:	
Well Number:	C059-PZP002	Date:	9/8/20
Well Diameter (in):	2	One Well Volume (gal):	
Depth to Product (ft):	NA	QED Controller Settings:	
Depth to Water (ft):	14.32	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	19.00	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1437	0.50	14.31	30.13	10.08	2.87	1.41	1		
1442	1.00	14.31	30.34	9.62	2.67	1.32	20		
1447	1.50	14.32	30.67	9.64	2.60	0.43	18		
1452	2.00	14.32	31.36	9.70	2.57	0.14	19		
1457	2.50	14.32	31.54	9.74	2.56	0.0	23		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C059-PZP002	1500	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: CLP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA OU	Project Number:
Well Number: C023-PZM008	Date: 9/8/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NA	QED Controller Settings:
Depth to Water (ft): 14.30	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 22.18	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1358	0.0	14.30	30.77	11.16	3.87	0.0	-138		
1403	0.45		30.34	11.09	3.12		-134		
1408	0.90		30.11	11.12	2.92		-137		
1413	1.35		30.00	11.13	2.86		-141		
1418	1.80		29.90	11.13	2.85		-142		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C023-PZM008	1420	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: UP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA GW	Project Number:	
Well Number:	CO24-PZM007	Date:	9/8/20
Well Diameter (in):	2	One Well Volume (gal):	
Depth to Product (ft):	NA	QED Controller Settings:	
Depth to Water (ft):	13.95	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	22.15	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
7	0.0	14.00	28.36	9.23	1.90	0.61	38		
2	0.4	14.08	28.41	9.33	1.91	0.02	2		
7	0.8	14.16	28.69	9.38	1.95	0.0	-36		
2	1.2	14.27	28.91	9.33	1.95	0.0	-40		
7	1.6	14.34	29.24	9.26	1.95	0.0	-40		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
CO24-PZM007	1340	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LLP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA GW	Project Number:
Well Number: C018-PZM006	Date: 9/8/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NA	QED Controller Settings:
Depth to Water (ft): 11.47	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 20.00	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1115	0.0	11.58	29.28	8.11	0.950	0.0	23		
1120	0.35	12.02	29.46	7.93	0.948		83		
1125	0.70	12.05	29.59	7.89	0.925		93		
1130	1.05	12.09	29.77	7.85	0.820		103		
1135	1.40	12.12	30.21	7.83	0.801		111		
1140	1.75	12.15	30.55	7.79	0.793		114		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C018-PZM006	1145	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LEP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA GW	Project Number:	
Well Number:	C0102-PZMXXX	Date:	9/1/20
Well Diameter (in):	2	One Well Volume (gal):	—
Depth to Product (ft):	NA	QED Controller Settings:	—
Depth to Water (ft):	12.06	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	19.36	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1455	0.0	12.06	18.9	12.16	2.487	2.89	-196.5		
1500	0.35	12.08	19.3	12.12	2.007	2.51	-225.3		
1505	0.70	12.08	19.8	12.09	1.996	2.27	-230.7		
1510	1.05	12.08	19.8	12.08	1.954	2.12	-237.9		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C0102-PZMXXX	1515	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA 6 W	Project Number:	
Well Number:	C093-PZMXXX	Date:	9/8/20
Well Diameter (in):	2	One Well Volume (gal):	
Depth to Product (ft):	NA	QED Controller Settings:	
Depth to Water (ft):	9.80	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	19.53	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1026	0.0	9.96	25.59	7.69	0.292	0.45	-21		
1031	0.4	10.10	25.83	7.44	0.413	0.0	-52		
1036	0.8	10.18	25.03	10.73	0.867	0.0	-187		
1041	1.2	10.24	25.68	10.65	0.815	0.0	-197		
1046	1.4	10.29	26.21	10.66	0.816	0.0	-210		
1051	1.8	10.35	26.79	10.70	0.836	0.0	-218		
1056	2.2	10.40	27.27	10.72	0.840	0.0	-224		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C093-PZMXXX	1100	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: C LAP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA GW	Project Number:
Well Number: C0101-PZMXXX	Date: 9/8/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NA	QED Controller Settings:
Depth to Water (ft): 11.65	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 14.63	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
6	0.0	12.30	23.91	7.83	1.25	1.20	-30		
1	0.25	13.87	23.97	8.20	1.23	0.12	-59		
		Sampled due to low water							

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C0101-PZMXX	1010	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LLP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA GW	Project Number:	
Well Number:	C0103-PZMXXX	Date:	9/1/20
Well Diameter (in):	2	One Well Volume (gal):	—
Depth to Product (ft):	NA	QED Controller Settings:	—
Depth to Water (ft):	12.68	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	20.52	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1312	0.00	12.74	23.06	10.43	0.304	1.55	-122		
1317	0.45	12.74	23.07	10.44	0.282	0.86	-132		
1322	0.90	12.74	23.15	10.37	0.250	0.67	-128		
1327	1.35	12.74	23.35	10.28	0.226	0.76	-114		
1332	1.80	12.74	23.62	10.24	0.217	0.95	-106		
1337	2.25	12.74	24.21	10.30	0.225	1.19	-98		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C0103-PZMXXX	1340	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LCP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA GW	Project Number:
Well Number: C030-PZM060	Date: 9/1/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NA	QED Controller Settings:
Depth to Water (ft): 13.18	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 70.25	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1138	0.0	13.25	22.49	4.09	9.26	3.61	-58		
1143	0.4	13.26	22.10	3.50	9.33	5.36	-31		
1148	0.8	13.27	21.73	3.31	9.40	6.20	-20		
1153	1.2	13.27	21.55	3.15	9.46	6.32	-15		
1158	1.6	13.27	21.51	2.93	9.65	6.27	-1		
1203	2.0	13.28	21.34	2.68	9.84	6.48	12		
1208	2.4	13.28	21.41	2.74	9.86	6.80	12		
1213	2.8	13.28	21.42	2.76	9.86	6.35	11		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C030-PZM060	1215	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LLP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA GW	Project Number:	
Well Number:	C030-PZM015	Date:	9/1/20
Well Diameter (in):	2	One Well Volume (gal):	
Depth to Product (ft):	NA	QED Controller Settings:	
Depth to Water (ft):	11.44	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	27.25	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1039	0.0	11.47	22.87	12.12	2.40	1.29	-303		
1044	0.35	11.49	22.76	11.95	2.43	0.83	-303		
1049	0.70	11.53	22.71	11.89	2.43	0.66	-303		
1054	1.05	11.55	22.70	11.86	2.44	0.60	-304		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C030-PZM015	1100	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA GW	Project Number:	
Well Number:	C041-PZM036	Date:	9/1/20
Well Diameter (in):	2	One Well Volume (gal):	
Depth to Product (ft):	NA	QED Controller Settings:	
Depth to Water (ft):	12.95	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	50.30	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
948	0.0	12.95	22.47	10.65	1.45	0.68	-355		
953	0.4	12.98	22.08	10.42	1.47	0.64	-350		
958	0.8	|	21.82	10.79	1.47	0.53	-382		
1003	1.2	|	21.73	10.81	1.47	0.49	-387		
1008	1.6	|	21.73	10.82	1.47	0.47	-388		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C041-PZM036	1010	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LLP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA GW	Project Number:
Well Number: C041-PZM001	Date: 9/1/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NA	QED Controller Settings:
Depth to Water (ft): 12.02	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 16.02	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
853	0.0	12.02	22.96	7.18	0.728	1.19	-204		
858	0.3	"	23.72	6.91	0.713	0.93	-190		
903	0.6	"	24.16	6.48	0.708	0.89	-168		
908	0.9	"	24.36	6.16	0.706	0.91	-156		
913	1.2	"	24.49	6.10	0.705	1.05	-161		
918	1.5	"	24.69	6.02	0.705	1.09	-170		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C041-PZM001	920	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LLP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA GW	Project Number:
Well Number: C040-PZM008	Date: 9/1/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NA	QED Controller Settings:
Depth to Water (ft): 6.37	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 17.79	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
0	0.0	6.37	22.92	5.73	2.01	1.32	215		
5	0.4		22.60	6.02	1.99	0.86	75		
0	0.8		22.18	6.17	2.01	0.67	-71		
5	1.2		21.98	6.24	2.02	0.63	-103		
0	1.6		21.86	6.27	2.02	0.61	-109		
5	2.0		21.72	6.33	2.04	0.59	-116		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C040-PZM008	820	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LCP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA GW	Project Number:	
Well Number:	C036-PZM008	Date:	8/31/20
Well Diameter (in):	2	One Well Volume (gal):	
Depth to Product (ft):	NA	QED Controller Settings:	
Depth to Water (ft):	6.36	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	14.20	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1431	0.0	6.39	23.88	14.00	1.83	2.33	-475		
1436	0.35	6.52	23.88	14.00	1.82	1.00	-464		
1441	0.70	6.60	23.90	14.00	1.79	0.93	-457		
1446	1.05	6.65	23.93	14.00	1.71	0.93	-450		
1451	1.40	6.70	23.99	14.00	1.57	1.01	-447		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C036-PZM008	1500	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LVP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA GW	Project Number:	
Well Number:	C036-PZM043	Date:	8/31/20
Well Diameter (in):	2	One Well Volume (gal):	
Depth to Product (ft):	NA	QED Controller Settings:	
Depth to Water (ft):	6.87	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	52.15	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1352	0.0	6.87	24.26	11.61	1.67	0.93	-306		
7	0.4	6.87	24.21	11.59	1.61	0.45	-309		
2	0.8	6.87	24.10	11.57	1.60	0.39	-307		
7	1.2	6.87	23.96	11.48	1.60	0.36	-307		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C036-PZM043	1355	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LLP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA GW	Project Number:	
Well Number:	C0104-PZMXXX	Date:	8/31/20
Well Diameter (in):	2	One Well Volume (gal):	
Depth to Product (ft):	NA	QED Controller Settings:	
Depth to Water (ft):	12.78	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	19.30	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1304	0.0	12.78	22.62	9.84	9.85	2.13	-37		
1309	0.4	12.78	22.61	9.80	8.30	2.36	-29		
1314	0.8	12.78	22.67	9.96	7.37	2.25	-30		
1319	1.2	12.78	22.88	10.00	5.58	2.64	-28		
1324	1.6	12.78	22.98	9.99	5.23	2.83	-23		
1329	2.0	12.78	23.16	9.90	5.10	3.10	-14		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C0104-PZMXXX	1330	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: CVP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA GW	Project Number:
Well Number: C038-PZM006	Date: 8/31/20
Well Diameter (in): 2	One Well Volume (gal): —
Depth to Product (ft): NA	QED Controller Settings: —
Depth to Water (ft): 5.83	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 15.72	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1029	0.0	5.85	24.26	11.98	2.07	1.39	-413		
1034	0.4	5.87	24.32	11.71	2.03	0.68	-416		
1039	0.8	5.88	24.36	11.27	2.00	0.55	-399		
1044	1.2	5.88	24.42	10.64	1.99	0.60	-369		
1049	1.6	5.88	24.44	10.32	1.99	0.63	-352		
1054	2.0	5.88	24.47	10.26	1.98	0.67	-343		
1059	2.4	5.88	24.49	10.18	1.98	0.69	-336		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C038-PZM006	1110	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: UP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA GW	Project Number:	
Well Number:	C038-PZM043	Date:	8/31/20
Well Diameter (in):	2	One Well Volume (gal):	
Depth to Product (ft):	NA	QED Controller Settings:	
Depth to Water (ft):	6.37	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	49.65	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
8	0.0	6.48	24.54	8.09	1.27	1.07	-258		
3	0.35	6.79	23.96	5.69	1.24	1.85	-121		
8	0.70	6.99	23.44	6.63	2.14	1.25	-172		
3	1.05	7.10	23.17	6.69	1.95	1.50	-177		
8	1.40	7.26	23.04	6.75	1.82	1.74	-182		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C038-PZM043	1200	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LVB

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA GW	Project Number:
Well Number: C037-PZM038	Date: 8/31/20
Well Diameter (in): 2	One Well Volume (gal): —
Depth to Product (ft): NA	QED Controller Settings: —
Depth to Water (ft): 11.70	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 49.85	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1004	0.0	11.70	23.52	11.52	1.99	0.84	-376		
1009	0.35	11.70	23.49	11.37	1.98	0.56	-373		
1014	0.70	11.70	23.43	11.38	1.98	0.44	-378		
1019	1.05	11.70	23.42	11.42	1.97	0.43	-380		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C037-PZM038	1020	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LCP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA GW	Project Number:	
Well Number:	C039-PZM042	Date:	8/31/20
Well Diameter (in):	2	One Well Volume (gal):	
Depth to Product (ft):	NA	QED Controller Settings:	
Depth to Water (ft):	7.60	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	45.97	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
907	0.0	7.61	22.79	12.45	2.88	0.76	-403		
912	0.35	7.62	22.84	12.57	2.87	0.56	-420		
917	0.70	7.63	22.84	12.61	2.90	0.51	-427		
922	1.05	7.64	22.85	12.65	2.91	0.49	-429		
927	1.40	7.64	22.87	12.63	2.92	0.48	-430		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C039-PZM042	935	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LLP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA GW	Project Number:	
Well Number:	C039-PZM007	Date:	8/31/20
Well Diameter (in):	2	One Well Volume (gal):	
Depth to Product (ft):	NA	QED Controller Settings:	
Depth to Water (ft):	6.31	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	17.87	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
825	0 0	6.40	22.60	11.75	2.73	9.35	-350		
830	0.4	6.43	22.51	11.86	2.70	5.99	-374		
835	0.8	6.48	22.45	11.89	2.69	5.74	-386		
840	1.2	6.50	22.47	11.91	2.70	5.62	-387		
845	1.6	6.53	22.53	11.92	2.70	5.39	-387		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C039-PZM007	850	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LVP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA GW	Project Number:	
Well Number:	COOZ-PZM006	Date:	9/1/20
Well Diameter (in):	2	One Well Volume (gal):	—
Depth to Product (ft):	NA	QED Controller Settings:	—
Depth to Water (ft):	13.77	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	18.90	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1418	0.0	13.77	22.8	9.12	1.245	4.83	-189.9		
1423	0.3	13.77	21.5	8.62	1.187	3.63	-252.7		
1428	0.6	13.77	21.1	8.00	1.120	2.15	-260.1		
1433	0.9	〃	20.8	7.93	1.105	1.96	-268.8		
1438	1.2	〃	20.3	7.85	1.091	1.77	-275.5		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
COOZPZM006	1440	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LVP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA GW	Project Number:
Well Number: C027-PZM012	Date: 9/23/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NA	QED Controller Settings:
Depth to Water (ft): 4.28	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 17.51	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1350	0.0	4.30	26.13	7.88	0.422	0.24	-138		
1355	0.4	4.32	26.50	7.74	0.404	0.0	-129		
1400	0.8	4.32	26.80	7.69	0.399	0.0	-127		
1405	1.2	4.32	27.19	7.68	0.394	0.0	-125		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
		TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		~~TCL-SVOCs~~	~~2- 1 L Amber~~	~~none~~	
		Oil & Grease	2- 1 L Amber	HCl	
C027PZM012	1410	TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LVP

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA GW	Project Number:	
Well Number:	C027-PZM046	Date:	9/23/20
Well Diameter (in):	2	One Well Volume (gal):	
Depth to Product (ft):	NA	QED Controller Settings:	
Depth to Water (ft):	6.24	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	51	Condition of Pad/Cover:	NONE / OK

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1315	0.10	6.25	23.20	9.76	0.858	0.44	-110		
1320	0.4	6.26	23.46	9.69	0.847	0.0	-138		
1325	0.75	6.26	23.62	9.60	0.833	0.0	-173		
1330	1.10	6.26	24.11	9.59	0.843		-182		
1335	1.45	6.26	24.76	9.58	0.835		-190		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
		TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
C027-PZM046	1345	Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: UB

Comments:

Casing Volume: **1" I.D.** = 0.041 gal/ft - **2" I.D.** = 0.163 gal/ft - **4" I.D.** = 0.653 gal/ft - **6" I.D.** = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Quarter 4 2020

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA GW	Project Number:
Well Number: CO27-PZM046	Date: 12-29-20
Well Diameter (in): 2	One Well Volume (gal): —
Depth to Product (ft): NA	QED Controller Settings: —
Depth to Water (ft): 8.17	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 51.03	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1056	0.0	8.23	8.50	9.98	0.784		-247		
1101	0.5	8.24	9.07	9.66	0.789		-267		
1106	1.0	8.24	9.82	9.54	0.779		-282		
1111	1.5	8.24	10.14	9.54	0.773		-287		
1116	2.0	8.24	10.45	9.57	0.764		-294		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
CO27-PZM046	1120	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: CLP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA GW	Project Number:
Well Number: C093-PZM XXX	Date: 12-30-20
Well Diameter (in): 2	One Well Volume (gal): —
Depth to Product (ft): NA	QED Controller Settings: —
Depth to Water (ft): 9.41	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 19.55	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1324	0.0	9.41	11.14	8.18	0.221		-165		
1329	0.45	9.41	11.00	8.40	0.232		-202		
1334	0.90	9.43	10.99	8.72	0.241		-216		
1339	1.35	9.44	10.91	9.85	0.387		-277		
1344	1.80	9.45	10.88	10.18	0.407		-282		
1349	2.25	9.46	11.04	10.52	0.475		-303		
1354	2.70	9.47	11.08	11.07	0.517		-310		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C093-PZM XXX	1400	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LLP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COAGW	Project Number:	
Well Number:	C036-PZM043	Date:	12-29-20
Well Diameter (in):	2	One Well Volume (gal):	
Depth to Product (ft):	NA	QED Controller Settings:	
Depth to Water (ft):	7.44	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	52.60	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1005	0.10	7.44	10.76	11.76	1.32		-235		
1010	0.45	7.44	9.82	11.82	1.40		-270		
1015	0.90	7.44	9.56	11.86	1.42		-271		
1020	1.35	7.44	9.20	11.92	1.43		-273		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C036-PZM043	1030	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LMP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA GW	Project Number:	
Well Number:	C042-PZM004	Date:	12-30-20
Well Diameter (in):	2	One Well Volume (gal):	—
Depth to Product (ft):	NA	QED Controller Settings:	—
Depth to Water (ft):	5.92	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	16.32	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1216	0.0	16.38	17.37	6.75	0.520		145		
1221	0.5	16.42	16.00	7.39	0.516		93		
1226	1.0	16.43	15.46	7.58	0.526		64		
1231	1.5	16.46	14.57	7.77	0.521		1		
1236	2.0	16.48	13.59	7.92	0.531		-44		
1241	2.5	16.49	13.02	7.97	0.533		-62		
1246	3.0	16.50	12.23	8.29	0.560		-81		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C042-PZM004	1300	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: UP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA GW	Project Number:
Well Number: CO36-PZM008	Date: 12/29/20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NA	QED Controller Settings:
Depth to Water (ft): 6.71	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 14.20	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
928	0.0	6.76	18.19	10.97	0.626		-115		
933	0.4	6.79	16.67	11.10	0.644		-151		
938	0.8	6.84	15.52	11.21	0.657		-163		
943	1.2	6.89	14.21	11.34	0.675		-175		
948	1.6	6.92	13.11	11.42	0.689		-183		
953	2.0	6.94	12.29	11.47	0.697		-188		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
CO36-PZM008	1000	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		~~TCL-SVOCs~~	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LCP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Water Resource Engineers and Consultants

Project Name: COA GW	Project Number:
Well Number: COA8-PZM008	Date: 12-29-20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NA	QED Controller Settings:
Depth to Water (ft): 6.12	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 17.74	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1505	0.0	6.16	9.61	11.87	1.14		-251		
1510	0.5	6.17	9.26	11.53	1.16		-248		
1515	1.0	6.19	8.76	11.36	1.17		-236		
1520	1.5	6.20	8.57	11.35	1.13		-230		
1525	2.0	6.20	8.41	11.35	1.19		-225		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
COA8PZM008	1530	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LH

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineering and Consultants

Project Name: LOA GW	Project Number:
Well Number: C037-PZM038	Date: 12-29-20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NA	QED Controller Settings:
Depth to Water (ft): 12.27	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 49.89	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1420	0.0	12.30	12.05	11.36	1.21		-245		
1425	0.4	12.33	11.75	11.91	1.97		-232		
1430	0.8	12.33	11.42	11.78	1.97		-218		
1435	1.2	12.33	11.21	11.62	1.98		-209		
1440	1.6	12.33	10.83	11.44	2.00		-192		
1445	2.0	12.33	10.58	11.36	2.07		-182		
1450	2.4	12.33	10.34	11.36	2.09		-171		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C037-PZM038	1455	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Water Resource Engineers and Consultants

Project Name: COA GW	Project Number:
Well Number: C041-PZM036	Date: 12-29-20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NA	QED Controller Settings:
Depth to Water (ft): 13.57	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 50.15	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1334	0.0	13.57	12.35	11.41	0.777		-312		
1339	0.5	13.57	12.39	12.4	0.834		-344		
1344	1.0	13.57	12.43	12.34	0.831		-346		
1349	1.5	13.57	12.37	12.25	0.829		-353		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C041-PZM036	1355	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: UP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Environmental Engineers and Consultants

Project Name: COA GW	Project Number:
Well Number: C041-PZM001	Date: 12-29-20
Well Diameter (in): 2	One Well Volume (gal): —
Depth to Product (ft): NA	QED Controller Settings: —
Depth to Water (ft): 11.70	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 16.03	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1234	0.0	11.70	13.73	9.14	0.533		-56		
1239	0.4	11.70	13.32	8.59	0.536		-56		
1244	0.8	11.71	13.01	8.48	0.547		-65		
1249	1.2	11.71	12.70	8.42	0.562		-73		
1254	1.6	11.71	12.52	8.40	0.573		-80		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C041-PZM001	1300	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LLP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA GW	Project Number:	
Well Number:	C027-PZM012	Date:	12-29-20
Well Diameter (in):	2	One Well Volume (gal):	
Depth to Product (ft):	NA	QED Controller Settings:	
Depth to Water (ft):	4.68	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	7.49	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1134	0.0	4.69	11.64	10.15	0.949		-273		
1139	0.45	4.70	11.90	10.48	0.940		-300		
1144	0.90	4.70	12.04	10.55	0.933		-309		
1149	1.35	4.71	12.16	10.62	0.927		-315		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C027-PZM012	1200	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: UP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA GW	Project Number:	
Well Number:	CO18-PZM006	Date:	12-28-20
Well Diameter (in):	2	One Well Volume (gal):	
Depth to Product (ft):	NA	QED Controller Settings:	
Depth to Water (ft):	11.36	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	20.00	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1432	0.0	11.39	17.75	6.75	1.26		-62		
1437	0.4	11.39	18.02	7.48	1.20		-142		
1442	0.8	11.39	18.20	7.56	1.18		-150		
1447	1.2	11.39	18.35	7.63	1.16		-157		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
CO18-PZM006	1500	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: CW

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA	Project Number:
Well Number: C039-PZM042	Date: 12-17-20
Well Diameter (in): 2	One Well Volume (gal): —
Depth to Product (ft): NA	QED Controller Settings: —
Depth to Water (ft): 7.91	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 45.98	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1359	0.0	8.43	8.18	12.86	1.16		-414		
1404	0.5	8.80	8.30	12.93	1.18		-427		
1409	1.0	9.04	8.41	12.98	1.20		-434		
1414	1.5	9.38	8.60	13.07	1.23		-443		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C039-PZM042	1420	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LLP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA	Project Number:
Well Number: C038-PZM043	Date: 12-17-20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NA	QED Controller Settings:
Depth to Water (ft): 6.62	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 49.61	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1303	0.0	6.65	9.49	10.10	0.649		-227		
1308	0.4	6.68	9.22	10.07	0.676		-208		
1313	0.8	6.69	9.10	10.09	0.682		-201		
1318	1.2	6.70	8.79	10.02	0.669		-196		
1323	1.6	6.71	8.88	10.00	0.660		-191		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C038-PZM043	1335	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: CP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA	Project Number:	
Well Number:	CO101-PzMXXX	Date:	12/17/20
Well Diameter (in):	2	One Well Volume (gal):	
Depth to Product (ft):	NA	QED Controller Settings:	
Depth to Water (ft):	12.26	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	14.63	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1112	0.0	13.08	14.20	5.98	0.720		-14		
1117	0.3	13.85	14.05	6.80	0.717		-67		
1122	0.6	14.20	13.76	7.09	0.689		-93		
		Purged Dry → Waited for recharge							

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
CO101-PzMXXX	830	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LMP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA	Project Number:
Well Number: C002-PZM00b	Date: 12-17-20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): N/A	QED Controller Settings:
Depth to Water (ft): 13.90	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 18.85	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1032	0.0	13.93	6.79	9.53	0.499		205		
1037	0.45	13.95	7.29	8.91	0.494		-214		
1042	0.90	13.96	7.73	8.67	0.484		-250		
1047	1.35	13.96	7.68	8.75	0.486		-262		
1052	1.80	13.97	7.60	8.82	0.494		-268		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C002-PZM009	1100	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA	Project Number:
Well Number: CO104-pzmXXX	Date: 12-16-20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NA	QED Controller Settings:
Depth to Water (ft): 13.20	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min) 30
Depth to Bottom (ft): 19.31	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1415	0.0		6.46	8.85	12.4		-75		
1420	0.4		6.29	8.89	12.4		-47		
1425	0.8		6.28	8.97	9.72		-38		
1430	1.2		6.30	9.10	6.88		-26		
1435	1.6		6.24	9.12	6.63		-21		
1440	2.0		6.13	9.12	6.62		-14		
1445	2.4		6.04	9.11	6.61		-10		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
CO104-pzmXXX	1500	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LB

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA	Project Number:	
Well Number:	C0103-PZMXXX	Date:	12-17-20
Well Diameter (in):	2	One Well Volume (gal):	—
Depth to Product (ft):	—	QED Controller Settings:	—
Depth to Water (ft):	12.96	Flow Rate (mL/min)	
Product Thickness (ft):	—	Length of time Purged (min)	
Depth to Bottom (ft):	19.20	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
4	0.0	12.99	17.32	10.25	0.431		-77		
9	0.4	13.04	15.21	10.08	0.310		-20		
4	0.8	13.10	13.04	9.46	0.209		-19		
9	1.2	13.14	11.75	9.29	0.123		-18		
4	1.6	13.16	11.29	9.15	0.117		1		
9	2.0	13.19	10.91	9.21	0.113		5		
4	2.4	13.22	10.14	9.26	0.100		17		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C0103-PZMXXX	930	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LCP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA	Project Number:
Well Number: C039-PZM007	Date: 12-17-20
Well Diameter (in): 2	One Well Volume (gal): —
Depth to Product (ft): NA	QED Controller Settings: —
Depth to Water (ft): 4.48	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 17.91	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1443	0.0	4.50	8.56	11.62	1.25		-307		
1448	0.45	4.50	8.34	11.36	1.28		-327		
1453	0.90	4.50	7.94	11.40	1.36		-333		
1458	1.35	4.50	7.90	11.50	1.43		-341		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C039-PZM007	1505	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: CR

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	COA	Project Number:	
Well Number:	C0102-PZMXXX	Date:	12-17-20
Well Diameter (in):	2	One Well Volume (gal):	—
Depth to Product (ft):	NA	QED Controller Settings:	—
Depth to Water (ft):	12.30	Flow Rate (mL/min)	
Product Thickness (ft):	NA	Length of time Purged (min)	
Depth to Bottom (ft):	19.33	Condition of Pad/Cover:	/

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
950	0.0	12.30	7.21	11.46	0.896		-244		
955	0.45	12.30	6.96	11.43	0.942		-270		
1000	0.90	12.31	6.88	11.90	0.959		-288		
1005	1.35	12.31	6.93	11.83	0.958		-290		
1010	1.80	12.31	7.00	11.75	0.950		-293		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C0102-PZMXXX	1015	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: CP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA	Project Number:
Well Number: C030-PZM060	Date: 12-16-20
Well Diameter (in): 2	One Well Volume (gal): —
Depth to Product (ft): NA	QED Controller Settings: —
Depth to Water (ft): 14.27	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min) 15
Depth to Bottom (ft): 73.30	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1347	0.0	14.30	8.36	8.37	7.66		-206		
1352	0.4	14.34	8.27	8.34	7.67		-201		
1357	0.8	14.36	8.04	8.28	7.70		-195		
1402	1.2	14.39	7.86	8.25	7.75		-196		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C030-PZM060	1410	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		~~TCL-SVOCs~~	~~2- 1 L Amber~~	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
Matrix Spike					
Duplicate					

Sampled By: LP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resources Engineers and Consultants

Project Name: COA	Project Number:
Well Number: CO38-PZM006	Date: 12-17-20
Well Diameter (in): 2	One Well Volume (gal): —
Depth to Product (ft): NA	QED Controller Settings: —
Depth to Water (ft): 5.66	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 15.71	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1242	0.0	5.66	9.95	9.92	1.52		-321		
1247	0.5	5.66	10.04	10.18	1.49		-357		
1252	1.0	5.66	9.99	10.26	1.48		-358		
1257	1.5	5.66	9.86	10.34	1.48		-362		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
CO38-PZM006	1300	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: UP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA	Project Number:
Well Number: C030-PZM015	Date: 12-16-20
Well Diameter (in): 2	One Well Volume (gal):
Depth to Product (ft): NA	QED Controller Settings:
Depth to Water (ft): 12.07	Flow Rate (mL/min)
Product Thickness (ft): NA	Length of time Purged (min)
Depth to Bottom (ft): 27.63	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1234	0.9	12.10	12.10	9.45	0.802		-163		
1239	0.45	12.11	11.40	8.97	0.890		-149		
1244	0.90	12.11	11.04	9.43	1.31		-129		
1249	1.35	12.12	10.52	9.39	1.28		-94		
1254	1.80	12.12	10.14	9.51	0.914		-55		
1259	2.25	12.12	9.75	9.36	0.912		-44		
1304	2.70	12.12	9.42	9.23	0.916		-31		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C030-PZM015	1305	TCL-VOCs	3 - 40 mL VOA	HCl	
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: UP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: CoA GW Sampling	Project Number:
Well Number: CO24-PZM007	Date: 12/29/20
Well Diameter (in): 2"	One Well Volume (gal):
Depth to Product (ft):	QED Controller Settings:
Depth to Water (ft): 13.91' TOC	Flow Rate (mL/min) 100 ml/min
Product Thickness (ft):	Length of time Purged (min)
Depth to Bottom (ft): 22.14' TOC	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1100	0	13.9	12.74	9.2	0.975	0.0	12	10.1	
1105	0.13	14.14	12.92	9.13	0.976	0.0	-27	6.6	
1110	0.26	14.11	13.13	9.19	0.979	0.0	-42	7.1	
1115	0.39	14.12	13.31	9.24	0.985	0.0	-59	6.0	
1120	0.52	14.14	13.54	9.31	0.990	0.0	-72	5.3	
1125	0.65	14.14	13.72	9.36	0.991	0.0	-81	1.7	
1130	0.78	14.14	13.91	9.39	0.991	0.0	-88	1.0	

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
CO24-PZM007	1130	TCL-VOCs	3 - 40 mL VOA	HCl	X
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LEP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: CoA GW sampling	Project Number:
Well Number: C023-PZM008	Date: 12/29/20
Well Diameter (in): 2"	One Well Volume (gal):
Depth to Product (ft):	QED Controller Settings:
Depth to Water (ft): 14.26' TOC	Flow Rate (mL/min) 240 ~~300~~ mL/min
Product Thickness (ft):	Length of time Purged (min)
Depth to Bottom (ft): 22.17' TOC	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1202	0	14.26	13.48	11.21	6.33	0.0	-162	18.5	
1207	0.3	14.27	13.31	11.37	5.03	0.0	-208	14.8	
1212	0.6	14.27	13.12	11.38	3.46	0.0	-218	14.7	
1217	0.9	14.27	12.91	11.40	2.81	0.0	-225	11.2	
1222	1.2	14.26	12.69	11.39	2.62	0.0	-231	7.7	
1227	1.5	14.28	12.52	11.43	2.55	0.0	-235	5.3	
1232	1.8	14.27	12.35	11.46	2.48	0.0	-238	4.4	

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C023-PZM008	1232	TCL-VOCs	3 - 40 mL VOA	HCl	X
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LEP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA GW Sampling	Project Number:
Well Number: C060-PZP001	Date: 12/29/20
Well Diameter (in): 2"	One Well Volume (gal):
Depth to Product (ft):	QED Controller Settings:
Depth to Water (ft): 14.55' TOC	Flow Rate (mL/min) 150ml/min
Product Thickness (ft):	Length of time Purged (min)
Depth to Bottom (ft): 18.92' TOC	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1259	0	14.55	10.87	11.34	2.72	0.71	-85	18.2	
1304	0.2	14.57	10.87	11.43	2.72	0.00	-108	11.9	
1309	0.4	14.57	10.99	11.09	2.45	0.00	-116	11.8	
1314	0.6	14.57	11.24	10.56	2.17	0.00	-108	32.6	
1319	0.8	14.57	11.54	10.45	2.06	0.00	-109	26.9	
1324	1.0	14.57	12.45	10.65	1.13	0.00	-121	22.8	stopped Horiba
1329	1.2	14.57	12.41	10.76	1.14	0.00	-125	16.4	

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
C060-PZP001	1330	TCL-VOCs	3 - 40 mL VOA	HCl	X
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LEP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name:	Project Number:
Well Number: CO26-PZM007	Date: 12/29/20
Well Diameter (in): 2"	One Well Volume (gal):
Depth to Product (ft):	QED Controller Settings:
Depth to Water (ft): 11.25' TOC	Flow Rate (mL/min) 120 ml/min
Product Thickness (ft):	Length of time Purged (min)
Depth to Bottom (ft): 19.31' TOC	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1400	0	11.25'	11.10	9.35	0.32	1.16	50	10.2	
1405	0.15	13.45	10.86	8.94	0.324	0.85	56	8.0	
1410	0.3	13.95	10.60	8.72	0.322	0.93	65	14.5	
1415	0.45	14.91	10.35	8.52	0.326	1.25	71	30.4	
1420	0.6	15.7	10.16	8.5	0.327	1.27	77	21.9	
1425	0.75	16.6	9.97	8.55	0.332	1.21	78	20.9	

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
CO26-PZM007	1427	TCL-VOCs	3 - 40 mL VOA	HCl	X
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LEP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ft x _____gal/ft = _____(gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: CoA GW Sampling	Project Number:
Well Number: CO58 - PZM001	Date: 12/29/20
Well Diameter (in): 2"	One Well Volume (gal):
Depth to Product (ft):	QED Controller Settings:
Depth to Water (ft): 13.17 TOC	Flow Rate (mL/min) 150 ml/min
Product Thickness (ft):	Length of time Purged (min)
Depth to Bottom (ft): 19.29' TOC	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
1503	0	13.17	8.53	11.29	1.43	6.96	13	7.7	
1508	0.2	13.46	8.43	12.03	1.45	0.00	-47	8.8	
1513	6.4	13.55	8.44	12.00	1.43	0.00	-72	7.5	
1518	6.6	13.6	8.44	12.01	1.42	0.00	-80	6.3	
1523	0.8	13.65	8.41	11.98	1.42	0.0	-90	4.6	
1528	1.0	13.7	8.35	12.33	1.40	0.0	-117	5.7	
1533	1.2	13.75	8.37	12.25	1.40	0.0	-118	4.9	

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
CO58 - PZM001	1535	TCL-VOCs	3 - 40 mL VOA	HCl	X
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LEP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA GW Sampling	Project Number:
Well Number: COS6-PZP001	Date: 12/30/20
Well Diameter (in): 2"	One Well Volume (gal):
Depth to Product (ft):	QED Controller Settings:
Depth to Water (ft): 14.68' TOC	Flow Rate (mL/min) 150 ml/min
Product Thickness (ft):	Length of time Purged (min)
Depth to Bottom (ft): 19.15' TOC	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
0904	0	14.68'	15.72	9.20	1.22	0.64	131	0.1	
0909	0.2	14.68	14.97	11.44	1.25	0.0	2	0.0	
0914	0.4	14.69	14.12	11.50	1.27	0.0	-27	0.0	
0919	0.6	14.69	13.57	11.57	1.27	0.0	-46	0.0	
0924	0.8	14.69	13.07	11.64	1.29	0.0	-60	0.0	
							"		

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
COS6-PZP001	0925	TCL-VOCs	3 - 40 mL VOA	HCl	✗
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LEP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

Low Flow Sampling
Permanent Wells

ARM Group Inc.
Earth Resource Engineers and Consultants

Project Name: COA GW Sampling	Project Number:
Well Number: COSS-PZM000	Date: 12/30/20
Well Diameter (in): 2"	One Well Volume (gal):
Depth to Product (ft):	QED Controller Settings:
Depth to Water (ft): 13.87' TOC	Flow Rate (mL/min) 100 ml/min
Product Thickness (ft):	Length of time Purged (min)
Depth to Bottom (ft): 17.07' TOC	Condition of Pad/Cover: /

PURGING RECORD

Time	Volume Purged (gallons)	DTW (feet)	Temp (°C)	pH (s.u.) ± 0.1	Specific Conductance (ms/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.3	ORP (mV) ± 10	Turbidity (NTU) ± 10% or < 5	Comments
0953	0	13.87'	10.94	11.50	0.743	7.20	17	22.2	
0958	0.13	16.00'	10.64	11.72	0.754	7.23	-2	12.6	
1003	0.26	16.75'	10.31	11.85	0.758	8.13	0	22.1	
1005	0.39	—	—	—	—	—	—	—	purged dry

MONITORING SAMPLE RECORD

Sample ID	Time Collected	Parameter/Order	Container	Perservative	Collected?
COSS-PZM000	1000	TCL-VOCs	3 - 40 mL VOA	HCl	X
		TPH-GRO	3 - 40 mL VOA	HCl	
		TPH-DRO	2 - 1 L Amber	none	
		TCL-SVOCs	2- 1 L Amber	none	
		Oil & Grease	2- 1 L Amber	HCl	
		TAL-Metals & Mercury (total)	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (total)	1 - 250 mL Plastic	none	
		Total Cyanide	1 - 250 mL Plastic	NaOH	
		TAL-Metals & Mercury (Dissolved) **Field Filtered**	1 - 250 mL Plastic	HNO3	
		Hexavalent Chromium (Dissolved) **Field Filtered**	1 - 250 mL Plastic	none	
		PCB	2 - 1 L Amber	None	
		Matrix Spike			
		Duplicate			

Sampled By: LEP

Comments:

Casing Volume: 1" I.D. = 0.041 gal/ft - 2" I.D. = 0.163 gal/ft - 4" I.D. = 0.653 gal/ft - 6" I.D. = 1.47 gal/ft

_____ ft x _____ gal/ft = _____ (gal)

APPENDIX B

Laboratory Reports

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

February 12, 2020

Mr. James Calenda
EnviroAnalytics Group, LLC
1600 Sparrows Point Blvd
Suite B2
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30348244

Dear Mr. Calenda:

Enclosed are the analytical results for sample(s) received by the laboratory on February 04, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30348244

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30348244

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30348244001	**Trip Blank**	Water	02/04/20 00:01	02/04/20 23:00
30348244002	**CO104-PZMXXX**	Water	02/04/20 10:00	02/04/20 23:00
30348244003	**CO30-PZM015**	Water	02/04/20 11:10	02/04/20 23:00
30348244004	**CO30-PZM060**	Water	02/04/20 11:35	02/04/20 23:00
30348244005	**CO102-PZMXXX**	Water	02/04/20 12:27	02/04/20 23:00
30348244006	**CO103-PZMXXX**	Water	02/04/20 13:20	02/04/20 23:00
30348244007	**CO02-PZM006**	Water	02/04/20 14:35	02/04/20 23:00

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Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30348244

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30348244001	**Trip Blank**	EPA 8260B	KAC	53	PASI-PA
30348244002	**CO104-PZMXXX**	EPA 8260B	KAC	53	PASI-PA
30348244003	**CO30-PZM015**	EPA 8260B	KAC	53	PASI-PA
30348244004	**CO30-PZM060**	EPA 8260B	KAC	53	PASI-PA
30348244005	**CO102-PZMXXX**	EPA 8260B	KAC	53	PASI-PA
30348244006	**CO103-PZMXXX**	EPA 8260B	KAC	53	PASI-PA
30348244007	**CO02-PZM006**	EPA 8260B	KAC	53	PASI-PA

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348244

Sample: Trip Blank **Lab ID: 30348244001** Collected: 02/04/20 00:01 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/07/20 13:25	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 13:25	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/07/20 13:25	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 13:25	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 13:25	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 13:25	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/07/20 13:25	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/07/20 13:25	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 13:25	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 13:25	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 13:25	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 13:25	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 13:25	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/07/20 13:25	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/07/20 13:25	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/07/20 13:25	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		02/07/20 13:25	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/07/20 13:25	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		02/07/20 13:25	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 13:25	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/07/20 13:25	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/07/20 13:25	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/07/20 13:25	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 13:25	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 13:25	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/07/20 13:25	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/07/20 13:25	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 13:25	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/07/20 13:25	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/07/20 13:25	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/07/20 13:25	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		02/07/20 13:25	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/07/20 13:25	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/07/20 13:25	1634-04-4	
Methylene Chloride	**0.96J**	ug/L	1.0	0.64	1		02/07/20 13:25	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		02/07/20 13:25	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 13:25	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 13:25	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 13:25	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 13:25	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/07/20 13:25	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/07/20 13:25	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 13:25	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		02/07/20 13:25	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 13:25	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 13:25	10061-01-5	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348244

Sample: Trip Blank **Lab ID: 30348244001** Collected: 02/04/20 00:01 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 13:25	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 13:25	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/07/20 13:25	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		02/07/20 13:25	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		1		02/07/20 13:25	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		02/07/20 13:25	2037-26-5	
Dibromofluoromethane (S)	97	%.	70-130		1		02/07/20 13:25	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348244

Sample: CO104-PZMXXX **Lab ID: 30348244002** Collected: 02/04/20 10:00 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/07/20 14:15	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 14:15	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/07/20 14:15	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 14:15	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 14:15	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 14:15	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/07/20 14:15	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/07/20 14:15	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 14:15	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 14:15	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 14:15	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 14:15	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 14:15	106-46-7	
2-Butanone (MEK)	**50.6**	ug/L	10.0	1.5	1		02/07/20 14:15	78-93-3	ML
2-Hexanone	**42.8**	ug/L	10.0	0.58	1		02/07/20 14:15	591-78-6	ML
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/07/20 14:15	108-10-1	MH
Acetone	**178**	ug/L	10.0	5.6	1		02/07/20 14:15	67-64-1	ML
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/07/20 14:15	107-13-1	
Benzene	**7.4**	ug/L	1.0	0.34	1		02/07/20 14:15	71-43-2	C8,MH, P2,R1
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 14:15	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/07/20 14:15	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/07/20 14:15	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/07/20 14:15	74-83-9	R1
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 14:15	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 14:15	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/07/20 14:15	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/07/20 14:15	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 14:15	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/07/20 14:15	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/07/20 14:15	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/07/20 14:15	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		02/07/20 14:15	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/07/20 14:15	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/07/20 14:15	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/07/20 14:15	75-09-2	
Naphthalene	**1.1J**	ug/L	2.0	0.82	1		02/07/20 14:15	91-20-3	MH
Styrene	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 14:15	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 14:15	127-18-4	
Toluene	**0.75J**	ug/L	1.0	0.32	1		02/07/20 14:15	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 14:15	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/07/20 14:15	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/07/20 14:15	108-05-4	MH
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 14:15	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		02/07/20 14:15	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 14:15	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348244

Sample: CO104-PZMXXX **Lab ID: 30348244002** Collected: 02/04/20 10:00 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 14:15	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 14:15	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 14:15	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/07/20 14:15	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		1		02/07/20 14:15	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		1		02/07/20 14:15	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		1		02/07/20 14:15	2037-26-5	
Dibromofluoromethane (S)	96	%.	70-130		1		02/07/20 14:15	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348244

Sample: CO30-PZM015 **Lab ID: 30348244003** Collected: 02/04/20 11:10 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/07/20 20:30	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 20:30	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 20:30	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 20:30	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 20:30	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 20:30	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 20:30	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/07/20 20:30	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 20:30	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 20:30	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 20:30	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 20:30	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 20:30	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/07/20 20:30	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/07/20 20:30	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/07/20 20:30	108-10-1	
Acetone	**28.4J**	ug/L	50.0	28.0	5		02/07/20 20:30	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/07/20 20:30	107-13-1	
Benzene	**63900**	ug/L	500	169	500		02/07/20 17:22	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 20:30	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 20:30	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/07/20 20:30	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/07/20 20:30	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 20:30	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 20:30	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/07/20 20:30	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/07/20 20:30	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 20:30	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 20:30	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/07/20 20:30	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 20:30	74-95-3	
Ethylbenzene	**121**	ug/L	5.0	2.0	5		02/07/20 20:30	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/07/20 20:30	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 20:30	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		02/07/20 20:30	75-09-2	
Naphthalene	**17100**	ug/L	1000	410	500		02/07/20 17:22	91-20-3	
Styrene	**17.1**	ug/L	5.0	1.6	5		02/07/20 20:30	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 20:30	127-18-4	
Toluene	**4710**	ug/L	500	158	500		02/07/20 17:22	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/07/20 20:30	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/07/20 20:30	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 20:30	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 20:30	75-01-4	
Xylene (Total)	**1650**	ug/L	15.0	6.8	5		02/07/20 20:30	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 20:30	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 20:30	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348244

Sample: CO30-PZM015 **Lab ID: 30348244003** Collected: 02/04/20 11:10 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 20:30	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 20:30	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/07/20 20:30	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		5		02/07/20 20:30	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		5		02/07/20 20:30	17060-07-0	
Toluene-d8 (S)	102	%.	70-130		5		02/07/20 20:30	2037-26-5	
Dibromofluoromethane (S)	90	%.	70-130		5		02/07/20 20:30	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348244

Sample: CO30-PZM060 **Lab ID: 30348244004** Collected: 02/04/20 11:35 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/07/20 15:55	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 15:55	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/07/20 15:55	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 15:55	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 15:55	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 15:55	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/07/20 15:55	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/07/20 15:55	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 15:55	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 15:55	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 15:55	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 15:55	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 15:55	106-46-7	
2-Butanone (MEK)	**1.9J**	ug/L	10.0	1.5	1		02/07/20 15:55	78-93-3	
2-Hexanone	**1.2J**	ug/L	10.0	0.58	1		02/07/20 15:55	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/07/20 15:55	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		02/07/20 15:55	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/07/20 15:55	107-13-1	
Benzene	**9.0**	ug/L	1.0	0.34	1		02/07/20 15:55	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 15:55	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/07/20 15:55	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/07/20 15:55	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/07/20 15:55	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 15:55	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 15:55	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/07/20 15:55	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/07/20 15:55	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 15:55	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/07/20 15:55	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/07/20 15:55	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/07/20 15:55	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		02/07/20 15:55	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/07/20 15:55	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/07/20 15:55	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/07/20 15:55	75-09-2	
Naphthalene	**19.2**	ug/L	2.0	0.82	1		02/07/20 15:55	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 15:55	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 15:55	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 15:55	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 15:55	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/07/20 15:55	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/07/20 15:55	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 15:55	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		02/07/20 15:55	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 15:55	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 15:55	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348244

Sample: CO30-PZM060 **Lab ID: 30348244004** Collected: 02/04/20 11:35 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 15:55	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 15:55	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/07/20 15:55	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		02/07/20 15:55	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130		1		02/07/20 15:55	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		1		02/07/20 15:55	2037-26-5	
Dibromofluoromethane (S)	96	%.	70-130		1		02/07/20 15:55	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348244

Sample: CO102-PZMXXX **Lab ID: 30348244005** Collected: 02/04/20 12:27 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/07/20 18:25	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 18:25	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 18:25	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 18:25	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 18:25	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 18:25	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 18:25	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/07/20 18:25	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 18:25	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 18:25	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 18:25	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 18:25	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 18:25	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/07/20 18:25	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/07/20 18:25	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/07/20 18:25	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		02/07/20 18:25	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/07/20 18:25	107-13-1	
Benzene	**13300**	ug/L	100	33.8	100		02/07/20 15:18	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 18:25	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 18:25	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/07/20 18:25	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/07/20 18:25	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 18:25	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 18:25	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/07/20 18:25	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/07/20 18:25	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 18:25	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 18:25	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/07/20 18:25	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 18:25	74-95-3	
Ethylbenzene	**19.3**	ug/L	5.0	2.0	5		02/07/20 18:25	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/07/20 18:25	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 18:25	1634-04-4	
Methylene Chloride	**3.3J**	ug/L	5.0	3.2	5		02/07/20 18:25	75-09-2	
Naphthalene	**991**	ug/L	10.0	4.1	5		02/07/20 18:25	91-20-3	
Styrene	**5.7**	ug/L	5.0	1.6	5		02/07/20 18:25	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 18:25	127-18-4	
Toluene	**855**	ug/L	5.0	1.6	5		02/07/20 18:25	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/07/20 18:25	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/07/20 18:25	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 18:25	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 18:25	75-01-4	
Xylene (Total)	**212**	ug/L	15.0	6.8	5		02/07/20 18:25	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 18:25	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 18:25	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348244

Sample: CO102-PZMXXX **Lab ID: 30348244005** Collected: 02/04/20 12:27 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 18:25	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 18:25	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/07/20 18:25	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		5		02/07/20 18:25	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		5		02/07/20 18:25	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		5		02/07/20 18:25	2037-26-5	
Dibromofluoromethane (S)	92	%.	70-130		5		02/07/20 18:25	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348244

Sample: CO103-PZMXXX **Lab ID: 30348244006** Collected: 02/04/20 13:20 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/07/20 17:10	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 17:10	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/07/20 17:10	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 17:10	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 17:10	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 17:10	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/07/20 17:10	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/07/20 17:10	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 17:10	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 17:10	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 17:10	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 17:10	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 17:10	106-46-7	
2-Butanone (MEK)	**2.4J**	ug/L	10.0	1.5	1		02/07/20 17:10	78-93-3	
2-Hexanone	**0.66J**	ug/L	10.0	0.58	1		02/07/20 17:10	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/07/20 17:10	108-10-1	
Acetone	**11.6**	ug/L	10.0	5.6	1		02/07/20 17:10	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/07/20 17:10	107-13-1	
Benzene	**10800**	ug/L	50.0	16.9	50		02/07/20 14:28	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 17:10	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/07/20 17:10	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/07/20 17:10	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/07/20 17:10	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 17:10	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 17:10	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/07/20 17:10	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/07/20 17:10	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 17:10	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/07/20 17:10	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/07/20 17:10	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/07/20 17:10	74-95-3	
Ethylbenzene	**29.8**	ug/L	1.0	0.40	1		02/07/20 17:10	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/07/20 17:10	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/07/20 17:10	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/07/20 17:10	75-09-2	
Naphthalene	**1200**	ug/L	100	41.0	50		02/07/20 14:28	91-20-3	
Styrene	**3.6**	ug/L	1.0	0.33	1		02/07/20 17:10	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 17:10	127-18-4	
Toluene	**627**	ug/L	50.0	15.8	50		02/07/20 14:28	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 17:10	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/07/20 17:10	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/07/20 17:10	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 17:10	75-01-4	
Xylene (Total)	**453**	ug/L	3.0	1.4	1		02/07/20 17:10	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 17:10	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 17:10	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348244

Sample: CO103-PZMXXX **Lab ID: 30348244006** Collected: 02/04/20 13:20 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 17:10	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 17:10	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/07/20 17:10	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		1		02/07/20 17:10	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		1		02/07/20 17:10	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		1		02/07/20 17:10	2037-26-5	
Dibromofluoromethane (S)	89	%.	70-130		1		02/07/20 17:10	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348244

Sample: CO02-PZM006 **Lab ID: 30348244007** Collected: 02/04/20 14:35 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/07/20 20:55	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 20:55	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 20:55	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 20:55	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 20:55	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 20:55	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 20:55	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/07/20 20:55	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 20:55	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 20:55	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 20:55	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 20:55	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 20:55	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/07/20 20:55	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/07/20 20:55	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/07/20 20:55	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		02/07/20 20:55	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/07/20 20:55	107-13-1	
Benzene	**191000**	ug/L	1000	338	1000		02/07/20 17:47	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 20:55	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 20:55	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/07/20 20:55	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/07/20 20:55	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 20:55	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 20:55	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/07/20 20:55	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/07/20 20:55	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 20:55	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 20:55	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/07/20 20:55	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 20:55	74-95-3	
Ethylbenzene	**253**	ug/L	5.0	2.0	5		02/07/20 20:55	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/07/20 20:55	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 20:55	1634-04-4	
Methylene Chloride	**3.3J**	ug/L	5.0	3.2	5		02/07/20 20:55	75-09-2	
Naphthalene	**422**	ug/L	10.0	4.1	5		02/07/20 20:55	91-20-3	
Styrene	**4.7J**	ug/L	5.0	1.6	5		02/07/20 20:55	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 20:55	127-18-4	
Toluene	**69.4**	ug/L	5.0	1.6	5		02/07/20 20:55	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/07/20 20:55	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/07/20 20:55	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 20:55	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 20:55	75-01-4	
Xylene (Total)	**329**	ug/L	15.0	6.8	5		02/07/20 20:55	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 20:55	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 20:55	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348244

Sample: CO02-PZM006 **Lab ID: 30348244007** Collected: 02/04/20 14:35 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 20:55	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 20:55	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/07/20 20:55	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	103	%.	70-130		5		02/07/20 20:55	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%.	70-130		5		02/07/20 20:55	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		5		02/07/20 20:55	2037-26-5	
Dibromofluoromethane (S)	87	%.	70-130		5		02/07/20 20:55	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30348244

QC Batch: 382740 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Associated Lab Samples: 30348244001, 30348244002, 30348244003, 30348244004, 30348244005, 30348244006, 30348244007

METHOD BLANK: 1854828 Matrix: Water
Associated Lab Samples: 30348244001, 30348244002, 30348244003, 30348244004, 30348244005, 30348244006, 30348244007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	02/07/20 13:00	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	02/07/20 13:00	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	02/07/20 13:00	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	02/07/20 13:00	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	02/07/20 13:00	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	02/07/20 13:00	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	02/07/20 13:00	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	02/07/20 13:00	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	02/07/20 13:00	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	02/07/20 13:00	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	02/07/20 13:00	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	02/07/20 13:00	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	02/07/20 13:00	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	02/07/20 13:00	
2-Hexanone	ug/L	10.0 U	10.0	0.58	02/07/20 13:00	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	02/07/20 13:00	
Acetone	ug/L	10.0 U	10.0	5.6	02/07/20 13:00	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	02/07/20 13:00	
Benzene	ug/L	1.0 U	1.0	0.34	02/07/20 13:00	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	02/07/20 13:00	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	02/07/20 13:00	
Bromoform	ug/L	1.0 U	1.0	0.56	02/07/20 13:00	
Bromomethane	ug/L	1.0 U	1.0	0.73	02/07/20 13:00	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	02/07/20 13:00	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	02/07/20 13:00	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	02/07/20 13:00	
Chloroethane	ug/L	1.0 U	1.0	0.64	02/07/20 13:00	
Chloroform	ug/L	1.0 U	1.0	0.39	02/07/20 13:00	
Chloromethane	ug/L	1.0 U	1.0	0.40	02/07/20 13:00	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	02/07/20 13:00	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	02/07/20 13:00	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	02/07/20 13:00	
Dibromomethane	ug/L	1.0 U	1.0	0.34	02/07/20 13:00	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	02/07/20 13:00	
Iodomethane	ug/L	50.0 U	50.0	0.52	02/07/20 13:00	
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	02/07/20 13:00	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	02/07/20 13:00	
Naphthalene	ug/L	2.0 U	2.0	0.82	02/07/20 13:00	
Styrene	ug/L	1.0 U	1.0	0.33	02/07/20 13:00	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	02/07/20 13:00	
Toluene	ug/L	1.0 U	1.0	0.32	02/07/20 13:00	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30348244

METHOD BLANK: 1854828 Matrix: Water
Associated Lab Samples: 30348244001, 30348244002, 30348244003, 30348244004, 30348244005, 30348244006, 30348244007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	02/07/20 13:00	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	02/07/20 13:00	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	02/07/20 13:00	
Trichloroethene	ug/L	1.0 U	1.0	0.29	02/07/20 13:00	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	02/07/20 13:00	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	02/07/20 13:00	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	02/07/20 13:00	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	02/07/20 13:00	
1,2-Dichloroethane-d4 (S)	%.	103	70-130		02/07/20 13:00	
4-Bromofluorobenzene (S)	%.	99	70-130		02/07/20 13:00	
Dibromofluoromethane (S)	%.	94	70-130		02/07/20 13:00	
Toluene-d8 (S)	%.	100	70-130		02/07/20 13:00	

LABORATORY CONTROL SAMPLE: 1854829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.8	99	70-130	
1,1,1-Trichloroethane	ug/L	20	21.4	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.6	108	70-130	
1,1,2-Trichloroethane	ug/L	20	20.3	101	70-130	
1,1-Dichloroethane	ug/L	20	20.3	102	70-130	
1,1-Dichloroethene	ug/L	20	19.0	95	70-130	
1,2,3-Trichloropropane	ug/L	20	20.4	102	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	21.7	109	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	19.9	100	70-130	
1,2-Dichlorobenzene	ug/L	20	21.1	105	70-130	
1,2-Dichloroethane	ug/L	20	20.2	101	70-130	
1,2-Dichloropropane	ug/L	20	20.8	104	70-130	
1,4-Dichlorobenzene	ug/L	20	20.7	104	70-130	
2-Butanone (MEK)	ug/L	20	22.6	113	70-130	
2-Hexanone	ug/L	20	23.7	118	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	22.7	114	70-130	
Acetone	ug/L	20	23.9	119	67-173	
Acrylonitrile	ug/L	20	21.8	109	56-147	
Benzene	ug/L	20	21.2	106	70-130	
Bromochloromethane	ug/L	20	19.7	99	70-130	
Bromodichloromethane	ug/L	20	20.8	104	70-130	
Bromoform	ug/L	20	17.0	85	63-119	
Bromomethane	ug/L	20	16.6	83	24-159	
Carbon disulfide	ug/L	20	24.7	124	57-132	
Carbon tetrachloride	ug/L	20	20.1	100	70-130	
Chlorobenzene	ug/L	20	21.2	106	70-130	
Chloroethane	ug/L	20	17.9	90	62-145	
Chloroform	ug/L	20	19.2	96	70-130	

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(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30348244

LABORATORY CONTROL SAMPLE: 1854829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	20	17.6	88	66-140	
cis-1,2-Dichloroethene	ug/L	20	19.8	99	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.2	106	70-130	
Dibromochloromethane	ug/L	20	20.1	100	70-130	
Dibromomethane	ug/L	20	18.4	92	70-130	
Ethylbenzene	ug/L	20	21.8	109	70-130	
Iodomethane	ug/L	20	19.4J	97	10-175	
Methyl-tert-butyl ether	ug/L	20	21.6	108	70-130	
Methylene Chloride	ug/L	20	20.9	105	70-130	
Naphthalene	ug/L	20	26.8	134	55-160	
Styrene	ug/L	20	21.8	109	70-130	
Tetrachloroethene	ug/L	20	21.0	105	70-130	
Toluene	ug/L	20	21.5	108	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.6	103	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.8	109	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	26.3	132	48-131	L1
Trichloroethene	ug/L	20	20.1	100	70-130	
Trichlorofluoromethane	ug/L	20	19.9	100	70-130	
Vinyl acetate	ug/L	20	19.9	99	33-128	
Vinyl chloride	ug/L	20	18.6	93	70-130	
Xylene (Total)	ug/L	60	64.7	108	70-130	
1,2-Dichloroethane-d4 (S)	%.			98	70-130	
4-Bromofluorobenzene (S)	%.			100	70-130	
Dibromofluoromethane (S)	%.			96	70-130	
Toluene-d8 (S)	%.			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1854830 1854831

Parameter	Units	30348244002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	20	20	17.5	18.0	87	90	59-117	3	30	
1,1,1-Trichloroethane	ug/L	1.0 U	20	20	20.3	21.2	101	106	55-146	5	30	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	20	20	20.7	21.7	104	109	55-118	5	30	
1,1,2-Trichloroethane	ug/L	1.0 U	20	20	20.1	20.5	100	102	61-122	2	30	
1,1-Dichloroethane	ug/L	1.0 U	20	20	19.7	20.8	98	104	59-130	6	30	
1,1-Dichloroethene	ug/L	1.0 U	20	20	17.9	18.6	89	93	52-119	4	30	
1,2,3-Trichloropropane	ug/L	1.0 U	20	20	20.0	21.2	100	106	59-117	6	30	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	20	20	19.9	20.3	99	102	32-112	2	30	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	20	20	19.7	20.5	99	102	61-116	4	30	
1,2-Dichlorobenzene	ug/L	1.0 U	20	20	20.0	18.7	100	94	58-126	7	30	
1,2-Dichloroethane	ug/L	1.0 U	20	20	19.5	20.1	98	101	49-135	3	30	
1,2-Dichloropropane	ug/L	1.0 U	20	20	19.6	20.9	98	104	67-121	6	30	
1,4-Dichlorobenzene	ug/L	1.0 U	20	20	19.3	18.3	97	92	60-121	5	30	
2-Butanone (MEK)	ug/L	50.6	20	20	23.3	25.3	-137	-127	59-138	8	30	ML

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30348244

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1854830 1854831

Parameter	Units	30348244002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Hexanone	ug/L	42.8	20	20	26.1	28.7	-83	-70	66-123	9	30	ML
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	20	20	21.2	27.1	106	135	70-130	24	30	MH
Acetone	ug/L	178	20	20	31.5	30.2	-730	-737	57-140	4	30	ML
Acrylonitrile	ug/L	4.0 U	20	20	19.5	25.2	97	126	47-134	25	30	
Benzene	ug/L	7.4	20	20	81.1	53.3	369	230	50-149	41	30	MH,R1
Bromochloromethane	ug/L	1.0 U	20	20	19.5	19.5	98	98	63-120	0	30	
Bromodichloromethane	ug/L	1.0 U	20	20	18.1	19.5	91	98	46-131	7	30	
Bromoform	ug/L	1.0 U	20	20	13.3	14.6	67	73	30-119	9	30	
Bromomethane	ug/L	1.0 U	20	20	7.4	10.3	37	52	10-163	33	30	R1
Carbon disulfide	ug/L	1.0 U	20	20	19.8	19.9	99	99	41-116	1	30	
Carbon tetrachloride	ug/L	1.0 U	20	20	17.0	17.8	85	89	55-119	5	30	
Chlorobenzene	ug/L	1.0 U	20	20	20.0	20.2	100	101	66-124	1	30	
Chloroethane	ug/L	1.0 U	20	20	20.6	25.1	103	126	45-162	20	30	
Chloroform	ug/L	1.0 U	20	20	18.1	19.5	90	98	56-123	8	30	
Chloromethane	ug/L	1.0 U	20	20	18.7	21.7	93	108	49-150	15	30	
cis-1,2-Dichloroethene	ug/L	1.0 U	20	20	19.2	19.9	96	100	63-116	4	30	
cis-1,3-Dichloropropene	ug/L	1.0 U	20	20	18.5	19.5	93	97	46-119	5	30	
Dibromochloromethane	ug/L	1.0 U	20	20	16.4	17.7	82	88	42-120	8	30	
Dibromomethane	ug/L	1.0 U	20	20	18.1	18.5	91	93	55-117	2	30	
Ethylbenzene	ug/L	1.0 U	20	20	20.9	19.8	104	99	63-135	5	30	
Iodomethane	ug/L	50.0 U	20	20	9.3J	16.1J	46	81	10-175		30	
Methyl-tert-butyl ether	ug/L	1.0 U	20	20	17.9	22.2	90	111	53-123	21	30	
Methylene Chloride	ug/L	1.0 U	20	20	20.5	20.2	102	101	57-132	2	30	
Naphthalene	ug/L	1.1J	20	20	39.8	36.1	193	175	30-157	10	30	MH
Styrene	ug/L	1.0 U	20	20	20.3	20.3	101	101	58-130	0	30	
Tetrachloroethene	ug/L	1.0 U	20	20	20.7	18.0	104	90	61-132	14	30	
Toluene	ug/L	0.75J	20	20	25.1	23.3	122	113	59-139	7	30	
trans-1,2-Dichloroethene	ug/L	1.0 U	20	20	18.5	18.7	92	94	60-124	1	30	
trans-1,3-Dichloropropene	ug/L	1.0 U	20	20	19.3	19.6	96	98	48-121	2	30	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	20	14.3	18.6	71	93	10-111	26	30	
Trichloroethene	ug/L	1.0 U	20	20	19.0	19.1	95	95	63-128	0	30	
Trichlorofluoromethane	ug/L	1.0 U	20	20	21.2	23.7	106	118	70-152	11	30	
Vinyl acetate	ug/L	1.0 U	20	20	17.0	20.9	85	104	23-102	21	30	MH
Vinyl chloride	ug/L	1.0 U	20	20	20.5	23.5	102	118	67-141	14	30	
Xylene (Total)	ug/L	3.0 U	60	60	62.6	58.9	104	98	63-135	6	30	
1,2-Dichloroethane-d4 (S)	%.						100	97	70-130			
4-Bromofluorobenzene (S)	%.						100	100	70-130			
Dibromofluoromethane (S)	%.						95	95	70-130			
Toluene-d8 (S)	%.						101	99	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30348244

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-PA	Pace Analytical Services - Greensburg

SAMPLE QUALIFIERS

Sample: 30348244003

[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

Sample: 30348244005

[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

Sample: 30348244006

[1] Residual Chlorine was present in the VOA vial used for analysis.

Sample: 30348244007

[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

ANALYTE QUALIFIERS

C8	Result may be biased high due to carryover from previously analyzed sample.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
P2	Re-extraction or re-analysis could not be performed due to insufficient sample amount.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30348244

ANALYTE QUALIFIERS

R1 RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30348244

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30348244001	**Trip Blank**	EPA 8260B	382740		
30348244002	**CO104-PZMXXX**	EPA 8260B	382740		
30348244003	**CO30-PZM015**	EPA 8260B	382740		
30348244004	**CO30-PZM060**	EPA 8260B	382740		
30348244005	**CO102-PZMXXX**	EPA 8260B	382740		
30348244006	**CO103-PZMXXX**	EPA 8260B	382740		
30348244007	**CO02-PZM006**	EPA 8260B	382740		

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

Section A — Required Client Information:

Company:	EnviroAnalytics Group
Address:	1600 Sparrows Point Blvd, Suite B2
	Sparrows Point, MD 21219
To:	jcalenda@enviroanalyticsgroup.com
Phone:	314-620-3056
Fax:	
Requested Due Date/TAT:	5 Day

Section B — Required Project Information:

Report To:	James Calenda
Copy To:	Stewart Kabis
Purchase Order No.:	EAG-SPT-6989
Project Name:	COA IM GW Sampling
Project Number:	

Section C — Invoice Information:

Attention:	Laura Sargent
Company Name:	EnviroAnalytics Group
Address:	1650 Des Peres Road, Suite 303 St. Louis, MO 63131
Pace Quote Reference:	
Pace Project Manager:	Samantha Bayura
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MD

Section D — Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

WO# : 30348244

30348244

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOC + NAPH by 8260	Resid	Pace Project No./ Lab I.D.
Trip Blank	WT				2/4/2020			2				2					X			001
C0104-PZMxxx		G				1000		3				3					X			002
C030-PZM015						1110		3				3					X			003
C030-PZM020						1135		3				3					X			004
C0102-PZMxxx						1227		3				3					X			005
C0103-PZMxxx						1320		3				3					X			006
C002-PZM016						1430		3				3					X			007

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature]	2/4/20	1500	[signature]	2/4/20	1537				
	[signature]	2/4/20	1710	[signature]	2-4-20	1755		Y		
	[signature]	2-4-20	2300	[signature]	2-4-20	2300	2.5	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Leandra M Glumac

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 02/04/2020

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: EnviroAnalytics Project #: #-30348244

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Label BLM
LIMS Login BLM

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used 9 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 2.5 °C Correction Factor: 0 °C Final Temp: 2.5 °C

Temp should be above freezing to 6°C

pH paper Lot# N/A

Date and Initials of person examining contents: BLM 2-5-20

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:	✓			8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used:	✓			
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: (VOA), coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix		✓		16.
All containers meet method preservation requirements. BM 2-5-20	✓			Initial when completed: BLM Date/time of preservation: Lot # of added preservative:
Headspace in VOA Vials (>6mm):	✗	✓		17.
Trip Blank Present:	✓			18.
Trip Blank Custody Seals Present	✓			
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed: Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

February 12, 2020

Mr. James Calenda
EnviroAnalytics Group, LLC
1600 Sparrows Point Blvd
Suite B2
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30348245

Dear Mr. Calenda:
Enclosed are the analytical results for sample(s) received by the laboratory on February 04, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30348245

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30348245

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30348245001	**Trip Blank**	Water	02/02/20 00:01	02/04/20 23:00
30348245002	**CO41-PZM001**	Water	02/02/20 12:27	02/04/20 23:00
30348245003	**CO41-PZM036**	Water	02/02/20 13:04	02/04/20 23:00
30348245004	**CO42-PZM004**	Water	02/02/20 14:07	02/04/20 23:00
30348245005	**CO37-PZM038**	Water	02/02/20 14:43	02/04/20 23:00

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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30348245

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30348245001	**Trip Blank**	EPA 8260B	KAC	53	PASI-PA
30348245002	**CO41-PZM001**	EPA 8260B	KAC	53	PASI-PA
30348245003	**CO41-PZM036**	EPA 8260B	KAC	53	PASI-PA
30348245004	**CO42-PZM004**	EPA 8260B	KAC	53	PASI-PA
30348245005	**CO37-PZM038**	EPA 8260B	KAC	53	PASI-PA

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348245

Sample: Trip Blank **Lab ID: 30348245001** Collected: 02/02/20 00:01 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/07/20 13:50	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 13:50	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/07/20 13:50	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 13:50	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 13:50	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 13:50	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/07/20 13:50	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/07/20 13:50	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 13:50	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 13:50	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 13:50	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 13:50	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 13:50	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/07/20 13:50	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/07/20 13:50	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/07/20 13:50	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		02/07/20 13:50	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/07/20 13:50	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		02/07/20 13:50	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 13:50	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/07/20 13:50	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/07/20 13:50	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/07/20 13:50	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 13:50	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 13:50	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/07/20 13:50	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/07/20 13:50	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 13:50	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/07/20 13:50	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/07/20 13:50	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/07/20 13:50	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		02/07/20 13:50	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/07/20 13:50	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/07/20 13:50	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/07/20 13:50	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		02/07/20 13:50	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 13:50	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 13:50	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 13:50	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 13:50	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/07/20 13:50	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/07/20 13:50	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 13:50	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		02/07/20 13:50	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 13:50	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 13:50	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348245

Sample: Trip Blank **Lab ID: 30348245001** Collected: 02/02/20 00:01 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 13:50	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 13:50	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/07/20 13:50	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		1		02/07/20 13:50	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%.	70-130		1		02/07/20 13:50	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		1		02/07/20 13:50	2037-26-5	
Dibromofluoromethane (S)	96	%.	70-130		1		02/07/20 13:50	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348245

Sample: CO41-PZM001 **Lab ID: 30348245002** Collected: 02/02/20 12:27 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/07/20 17:35	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 17:35	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/07/20 17:35	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 17:35	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 17:35	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 17:35	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/07/20 17:35	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/07/20 17:35	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 17:35	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 17:35	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 17:35	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 17:35	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 17:35	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/07/20 17:35	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/07/20 17:35	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/07/20 17:35	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		02/07/20 17:35	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/07/20 17:35	107-13-1	
Benzene	**1190**	ug/L	50.0	16.9	50		02/07/20 14:53	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 17:35	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/07/20 17:35	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/07/20 17:35	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/07/20 17:35	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 17:35	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 17:35	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/07/20 17:35	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/07/20 17:35	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 17:35	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/07/20 17:35	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/07/20 17:35	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/07/20 17:35	74-95-3	
Ethylbenzene	**41.8**	ug/L	1.0	0.40	1		02/07/20 17:35	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/07/20 17:35	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/07/20 17:35	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/07/20 17:35	75-09-2	
Naphthalene	**109**	ug/L	2.0	0.82	1		02/07/20 17:35	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 17:35	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 17:35	127-18-4	
Toluene	**625**	ug/L	50.0	15.8	50		02/07/20 14:53	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 17:35	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/07/20 17:35	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/07/20 17:35	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 17:35	75-01-4	
Xylene (Total)	**288**	ug/L	3.0	1.4	1		02/07/20 17:35	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 17:35	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 17:35	10061-01-5	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348245

Sample: CO41-PZM001 **Lab ID: 30348245002** Collected: 02/02/20 12:27 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 17:35	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 17:35	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/07/20 17:35	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		1		02/07/20 17:35	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		1		02/07/20 17:35	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		02/07/20 17:35	2037-26-5	
Dibromofluoromethane (S)	92	%.	70-130		1		02/07/20 17:35	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348245

Sample: CO41-PZM036 **Lab ID: 30348245003** Collected: 02/02/20 13:04 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/07/20 16:45	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 16:45	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/07/20 16:45	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 16:45	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 16:45	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 16:45	75-35-4	
1,2,3-Trichloropropane	**0.95J**	ug/L	1.0	0.58	1		02/07/20 16:45	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/07/20 16:45	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 16:45	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 16:45	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 16:45	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 16:45	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 16:45	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/07/20 16:45	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/07/20 16:45	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/07/20 16:45	108-10-1	
Acetone	**6.5J**	ug/L	10.0	5.6	1		02/07/20 16:45	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/07/20 16:45	107-13-1	
Benzene	**196000**	ug/L	1000	338	1000		02/11/20 15:28	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 16:45	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/07/20 16:45	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/07/20 16:45	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/07/20 16:45	74-83-9	
Carbon disulfide	**2.1**	ug/L	1.0	0.32	1		02/07/20 16:45	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 16:45	56-23-5	
Chlorobenzene	**3.1**	ug/L	1.0	0.26	1		02/07/20 16:45	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/07/20 16:45	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 16:45	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/07/20 16:45	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/07/20 16:45	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/07/20 16:45	74-95-3	
Ethylbenzene	**847**	ug/L	50.0	19.9	50		02/07/20 14:03	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/07/20 16:45	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/07/20 16:45	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/07/20 16:45	75-09-2	
Naphthalene	**380**	ug/L	2.0	0.82	1		02/07/20 16:45	91-20-3	
Styrene	**446**	ug/L	50.0	16.5	50		02/07/20 14:03	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 16:45	127-18-4	
Toluene	**66600**	ug/L	1000	317	1000		02/11/20 15:28	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 16:45	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/07/20 16:45	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/07/20 16:45	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 16:45	75-01-4	
Xylene (Total)	**16100**	ug/L	150	67.5	50		02/07/20 14:03	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 16:45	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 16:45	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348245

Sample: CO41-PZM036 **Lab ID: 30348245003** Collected: 02/02/20 13:04 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 16:45	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 16:45	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/07/20 16:45	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%.	70-130		1		02/07/20 16:45	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%.	70-130		1		02/07/20 16:45	17060-07-0	
Toluene-d8 (S)	173	%.	70-130		1		02/07/20 16:45	2037-26-5	ST
Dibromofluoromethane (S)	91	%.	70-130		1		02/07/20 16:45	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348245

Sample: CO42-PZM004 **Lab ID: 30348245004** Collected: 02/02/20 14:07 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/07/20 14:40	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 14:40	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/07/20 14:40	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 14:40	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 14:40	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 14:40	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/07/20 14:40	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/07/20 14:40	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 14:40	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 14:40	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 14:40	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 14:40	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 14:40	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/07/20 14:40	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/07/20 14:40	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/07/20 14:40	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		02/07/20 14:40	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/07/20 14:40	107-13-1	
Benzene	**81.2**	ug/L	1.0	0.34	1		02/07/20 14:40	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 14:40	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/07/20 14:40	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/07/20 14:40	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/07/20 14:40	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 14:40	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 14:40	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/07/20 14:40	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/07/20 14:40	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 14:40	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/07/20 14:40	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/07/20 14:40	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/07/20 14:40	74-95-3	
Ethylbenzene	**8.4**	ug/L	1.0	0.40	1		02/07/20 14:40	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/07/20 14:40	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/07/20 14:40	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/07/20 14:40	75-09-2	
Naphthalene	**45.6**	ug/L	2.0	0.82	1		02/07/20 14:40	91-20-3	
Styrene	**4.4**	ug/L	1.0	0.33	1		02/07/20 14:40	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 14:40	127-18-4	
Toluene	**46.8**	ug/L	1.0	0.32	1		02/07/20 14:40	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 14:40	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/07/20 14:40	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/07/20 14:40	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 14:40	75-01-4	
Xylene (Total)	**128**	ug/L	3.0	1.4	1		02/07/20 14:40	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 14:40	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 14:40	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348245

Sample: CO42-PZM004 **Lab ID: 30348245004** Collected: 02/02/20 14:07 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 14:40	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 14:40	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/07/20 14:40	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	98	%.	70-130		1		02/07/20 14:40	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		1		02/07/20 14:40	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		02/07/20 14:40	2037-26-5	
Dibromofluoromethane (S)	96	%.	70-130		1		02/07/20 14:40	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348245

Sample: CO37-PZM038 **Lab ID: 30348245005** Collected: 02/02/20 14:43 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/07/20 19:15	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 19:15	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 19:15	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 19:15	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 19:15	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 19:15	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 19:15	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/07/20 19:15	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 19:15	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 19:15	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 19:15	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 19:15	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 19:15	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/07/20 19:15	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/07/20 19:15	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/07/20 19:15	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		02/07/20 19:15	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/07/20 19:15	107-13-1	
Benzene	**13400**	ug/L	200	67.6	200		02/07/20 16:08	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 19:15	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 19:15	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/07/20 19:15	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/07/20 19:15	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 19:15	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 19:15	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/07/20 19:15	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/07/20 19:15	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 19:15	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 19:15	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/07/20 19:15	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 19:15	74-95-3	
Ethylbenzene	**289**	ug/L	5.0	2.0	5		02/07/20 19:15	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/07/20 19:15	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 19:15	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		02/07/20 19:15	75-09-2	
Naphthalene	**1930**	ug/L	10.0	4.1	5		02/07/20 19:15	91-20-3	
Styrene	**448**	ug/L	5.0	1.6	5		02/07/20 19:15	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 19:15	127-18-4	
Toluene	**8030**	ug/L	200	63.4	200		02/07/20 16:08	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/07/20 19:15	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/07/20 19:15	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 19:15	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 19:15	75-01-4	
Xylene (Total)	**2300**	ug/L	15.0	6.8	5		02/07/20 19:15	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 19:15	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 19:15	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348245

Sample: CO37-PZM038 **Lab ID: 30348245005** Collected: 02/02/20 14:43 Received: 02/04/20 23:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 19:15	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 19:15	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/07/20 19:15	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		5		02/07/20 19:15	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%.	70-130		5		02/07/20 19:15	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		5		02/07/20 19:15	2037-26-5	
Dibromofluoromethane (S)	90	%.	70-130		5		02/07/20 19:15	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30348245

QC Batch: 382740 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Associated Lab Samples: 30348245001, 30348245002, 30348245003, 30348245004, 30348245005

METHOD BLANK: 1854828 Matrix: Water
Associated Lab Samples: 30348245001, 30348245002, 30348245003, 30348245004, 30348245005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	02/07/20 13:00	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	02/07/20 13:00	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	02/07/20 13:00	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	02/07/20 13:00	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	02/07/20 13:00	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	02/07/20 13:00	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	02/07/20 13:00	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	02/07/20 13:00	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	02/07/20 13:00	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	02/07/20 13:00	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	02/07/20 13:00	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	02/07/20 13:00	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	02/07/20 13:00	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	02/07/20 13:00	
2-Hexanone	ug/L	10.0 U	10.0	0.58	02/07/20 13:00	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	02/07/20 13:00	
Acetone	ug/L	10.0 U	10.0	5.6	02/07/20 13:00	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	02/07/20 13:00	
Benzene	ug/L	1.0 U	1.0	0.34	02/07/20 13:00	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	02/07/20 13:00	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	02/07/20 13:00	
Bromoform	ug/L	1.0 U	1.0	0.56	02/07/20 13:00	
Bromomethane	ug/L	1.0 U	1.0	0.73	02/07/20 13:00	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	02/07/20 13:00	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	02/07/20 13:00	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	02/07/20 13:00	
Chloroethane	ug/L	1.0 U	1.0	0.64	02/07/20 13:00	
Chloroform	ug/L	1.0 U	1.0	0.39	02/07/20 13:00	
Chloromethane	ug/L	1.0 U	1.0	0.40	02/07/20 13:00	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	02/07/20 13:00	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	02/07/20 13:00	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	02/07/20 13:00	
Dibromomethane	ug/L	1.0 U	1.0	0.34	02/07/20 13:00	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	02/07/20 13:00	
Iodomethane	ug/L	50.0 U	50.0	0.52	02/07/20 13:00	
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	02/07/20 13:00	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	02/07/20 13:00	
Naphthalene	ug/L	2.0 U	2.0	0.82	02/07/20 13:00	
Styrene	ug/L	1.0 U	1.0	0.33	02/07/20 13:00	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	02/07/20 13:00	
Toluene	ug/L	1.0 U	1.0	0.32	02/07/20 13:00	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30348245

METHOD BLANK: 1854828 Matrix: Water
Associated Lab Samples: 30348245001, 30348245002, 30348245003, 30348245004, 30348245005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	02/07/20 13:00	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	02/07/20 13:00	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	02/07/20 13:00	
Trichloroethene	ug/L	1.0 U	1.0	0.29	02/07/20 13:00	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	02/07/20 13:00	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	02/07/20 13:00	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	02/07/20 13:00	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	02/07/20 13:00	
1,2-Dichloroethane-d4 (S)	%.	103	70-130		02/07/20 13:00	
4-Bromofluorobenzene (S)	%.	99	70-130		02/07/20 13:00	
Dibromofluoromethane (S)	%.	94	70-130		02/07/20 13:00	
Toluene-d8 (S)	%.	100	70-130		02/07/20 13:00	

LABORATORY CONTROL SAMPLE: 1854829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.8	99	70-130	
1,1,1-Trichloroethane	ug/L	20	21.4	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.6	108	70-130	
1,1,2-Trichloroethane	ug/L	20	20.3	101	70-130	
1,1-Dichloroethane	ug/L	20	20.3	102	70-130	
1,1-Dichloroethene	ug/L	20	19.0	95	70-130	
1,2,3-Trichloropropane	ug/L	20	20.4	102	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	21.7	109	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	19.9	100	70-130	
1,2-Dichlorobenzene	ug/L	20	21.1	105	70-130	
1,2-Dichloroethane	ug/L	20	20.2	101	70-130	
1,2-Dichloropropane	ug/L	20	20.8	104	70-130	
1,4-Dichlorobenzene	ug/L	20	20.7	104	70-130	
2-Butanone (MEK)	ug/L	20	22.6	113	70-130	
2-Hexanone	ug/L	20	23.7	118	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	22.7	114	70-130	
Acetone	ug/L	20	23.9	119	67-173	
Acrylonitrile	ug/L	20	21.8	109	56-147	
Benzene	ug/L	20	21.2	106	70-130	
Bromochloromethane	ug/L	20	19.7	99	70-130	
Bromodichloromethane	ug/L	20	20.8	104	70-130	
Bromoform	ug/L	20	17.0	85	63-119	
Bromomethane	ug/L	20	16.6	83	24-159	
Carbon disulfide	ug/L	20	24.7	124	57-132	
Carbon tetrachloride	ug/L	20	20.1	100	70-130	
Chlorobenzene	ug/L	20	21.2	106	70-130	
Chloroethane	ug/L	20	17.9	90	62-145	
Chloroform	ug/L	20	19.2	96	70-130	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30348245

LABORATORY CONTROL SAMPLE: 1854829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	20	17.6	88	66-140	
cis-1,2-Dichloroethene	ug/L	20	19.8	99	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.2	106	70-130	
Dibromochloromethane	ug/L	20	20.1	100	70-130	
Dibromomethane	ug/L	20	18.4	92	70-130	
Ethylbenzene	ug/L	20	21.8	109	70-130	
Iodomethane	ug/L	20	19.4J	97	10-175	
Methyl-tert-butyl ether	ug/L	20	21.6	108	70-130	
Methylene Chloride	ug/L	20	20.9	105	70-130	
Naphthalene	ug/L	20	26.8	134	55-160	
Styrene	ug/L	20	21.8	109	70-130	
Tetrachloroethene	ug/L	20	21.0	105	70-130	
Toluene	ug/L	20	21.5	108	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.6	103	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.8	109	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	26.3	132	48-131	L1
Trichloroethene	ug/L	20	20.1	100	70-130	
Trichlorofluoromethane	ug/L	20	19.9	100	70-130	
Vinyl acetate	ug/L	20	19.9	99	33-128	
Vinyl chloride	ug/L	20	18.6	93	70-130	
Xylene (Total)	ug/L	60	64.7	108	70-130	
1,2-Dichloroethane-d4 (S)	%.			98	70-130	
4-Bromofluorobenzene (S)	%.			100	70-130	
Dibromofluoromethane (S)	%.			96	70-130	
Toluene-d8 (S)	%.			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1854830 1854831

Parameter	Units	30348244002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	20	20	17.5	18.0	87	90	59-117	3	30	
1,1,1-Trichloroethane	ug/L	1.0 U	20	20	20.3	21.2	101	106	55-146	5	30	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	20	20	20.7	21.7	104	109	55-118	5	30	
1,1,2-Trichloroethane	ug/L	1.0 U	20	20	20.1	20.5	100	102	61-122	2	30	
1,1-Dichloroethane	ug/L	1.0 U	20	20	19.7	20.8	98	104	59-130	6	30	
1,1-Dichloroethene	ug/L	1.0 U	20	20	17.9	18.6	89	93	52-119	4	30	
1,2,3-Trichloropropane	ug/L	1.0 U	20	20	20.0	21.2	100	106	59-117	6	30	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	20	20	19.9	20.3	99	102	32-112	2	30	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	20	20	19.7	20.5	99	102	61-116	4	30	
1,2-Dichlorobenzene	ug/L	1.0 U	20	20	20.0	18.7	100	94	58-126	7	30	
1,2-Dichloroethane	ug/L	1.0 U	20	20	19.5	20.1	98	101	49-135	3	30	
1,2-Dichloropropane	ug/L	1.0 U	20	20	19.6	20.9	98	104	67-121	6	30	
1,4-Dichlorobenzene	ug/L	1.0 U	20	20	19.3	18.3	97	92	60-121	5	30	
2-Butanone (MEK)	ug/L	50.6	20	20	23.3	25.3	-137	-127	59-138	8	30	ML

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30348245

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1854830 1854831

Parameter	Units	30348244002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Hexanone	ug/L	42.8	20	20	26.1	28.7	-83	-70	66-123	9	30	ML
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	20	20	21.2	27.1	106	135	70-130	24	30	MH
Acetone	ug/L	178	20	20	31.5	30.2	-730	-737	57-140	4	30	ML
Acrylonitrile	ug/L	4.0 U	20	20	19.5	25.2	97	126	47-134	25	30	
Benzene	ug/L	7.4	20	20	81.1	53.3	369	230	50-149	41	30	MH,R1
Bromochloromethane	ug/L	1.0 U	20	20	19.5	19.5	98	98	63-120	0	30	
Bromodichloromethane	ug/L	1.0 U	20	20	18.1	19.5	91	98	46-131	7	30	
Bromoform	ug/L	1.0 U	20	20	13.3	14.6	67	73	30-119	9	30	
Bromomethane	ug/L	1.0 U	20	20	7.4	10.3	37	52	10-163	33	30	R1
Carbon disulfide	ug/L	1.0 U	20	20	19.8	19.9	99	99	41-116	1	30	
Carbon tetrachloride	ug/L	1.0 U	20	20	17.0	17.8	85	89	55-119	5	30	
Chlorobenzene	ug/L	1.0 U	20	20	20.0	20.2	100	101	66-124	1	30	
Chloroethane	ug/L	1.0 U	20	20	20.6	25.1	103	126	45-162	20	30	
Chloroform	ug/L	1.0 U	20	20	18.1	19.5	90	98	56-123	8	30	
Chloromethane	ug/L	1.0 U	20	20	18.7	21.7	93	108	49-150	15	30	
cis-1,2-Dichloroethene	ug/L	1.0 U	20	20	19.2	19.9	96	100	63-116	4	30	
cis-1,3-Dichloropropene	ug/L	1.0 U	20	20	18.5	19.5	93	97	46-119	5	30	
Dibromochloromethane	ug/L	1.0 U	20	20	16.4	17.7	82	88	42-120	8	30	
Dibromomethane	ug/L	1.0 U	20	20	18.1	18.5	91	93	55-117	2	30	
Ethylbenzene	ug/L	1.0 U	20	20	20.9	19.8	104	99	63-135	5	30	
Iodomethane	ug/L	50.0 U	20	20	9.3J	16.1J	46	81	10-175		30	
Methyl-tert-butyl ether	ug/L	1.0 U	20	20	17.9	22.2	90	111	53-123	21	30	
Methylene Chloride	ug/L	1.0 U	20	20	20.5	20.2	102	101	57-132	2	30	
Naphthalene	ug/L	1.1J	20	20	39.8	36.1	193	175	30-157	10	30	MH
Styrene	ug/L	1.0 U	20	20	20.3	20.3	101	101	58-130	0	30	
Tetrachloroethene	ug/L	1.0 U	20	20	20.7	18.0	104	90	61-132	14	30	
Toluene	ug/L	0.75J	20	20	25.1	23.3	122	113	59-139	7	30	
trans-1,2-Dichloroethene	ug/L	1.0 U	20	20	18.5	18.7	92	94	60-124	1	30	
trans-1,3-Dichloropropene	ug/L	1.0 U	20	20	19.3	19.6	96	98	48-121	2	30	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	20	14.3	18.6	71	93	10-111	26	30	
Trichloroethene	ug/L	1.0 U	20	20	19.0	19.1	95	95	63-128	0	30	
Trichlorofluoromethane	ug/L	1.0 U	20	20	21.2	23.7	106	118	70-152	11	30	
Vinyl acetate	ug/L	1.0 U	20	20	17.0	20.9	85	104	23-102	21	30	MH
Vinyl chloride	ug/L	1.0 U	20	20	20.5	23.5	102	118	67-141	14	30	
Xylene (Total)	ug/L	3.0 U	60	60	62.6	58.9	104	98	63-135	6	30	
1,2-Dichloroethane-d4 (S)	%.						100	97	70-130			
4-Bromofluorobenzene (S)	%.						100	100	70-130			
Dibromofluoromethane (S)	%.						95	95	70-130			
Toluene-d8 (S)	%.						101	99	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30348245

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-PA	Pace Analytical Services - Greensburg

SAMPLE QUALIFIERS

Sample: 30348245005

[1]	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

ANALYTE QUALIFIERS

L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.
ST	Surrogate recovery was above laboratory control limits. Results may be biased high.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30348245

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30348245001	**Trip Blank**	EPA 8260B	382740		
30348245002	**CO41-PZM001**	EPA 8260B	382740		
30348245003	**CO41-PZM036**	EPA 8260B	382740		
30348245004	**CO42-PZM004**	EPA 8260B	382740		
30348245005	**CO37-PZM038**	EPA 8260B	382740		

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

Section A Required Client Information:

Company:	EnviroAnalytics Group
Address:	1600 Sparrows Point Blvd, Suite B2
	Sparrows Point, MD 21219
Email To:	jcalenda@enviroanalyticsgroup.com
Phone:	314-620-3056
Fax:	
Requested Due Date/TAT:	5 Day

Section B Required Project Information:

Report To:	James Calenda
Copy To:	Stewart Kabis
Purchase Order No.:	EAG-SPT-6989
Project Name:	COA IM GW Sampling
Project Number:	

Section C Invoice Information:

Attention:	Laura Sargent
Company Name:	EnviroAnalytics Group
Address:	1650 Des Peres Road, Suite 303 St. Louis, MO 63131
Pace Quote Reference:	
Pace Project Manager:	Samantha Bayura
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MD

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

WO# : 30348245
30348245

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	VOC + NAPH by 8260	Resi	Pace Project No./ Lab I.D.
1	Trip Blank	WT				2-2-20	—		2				2						X		001
2	C041-PZM001		G				1227		3				3						X		002
3	C041-PZM036						1304		3				3						X		003
4	C042-PZM004						1407		3				3						X		004
5	C037-PZM038						1443		3				3						X		005
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature] ARM	2-4-20	1500	[signature]	[illegible]	1532				
	[signature]	[illegible]	1720	RDS PACE	2-4-20	1755		Y		
	RDS PACE	2-4-20	2300	[signature]	2-4-20	2300	2.4	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Van Ness

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 02/04/20

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: EnviroAnalytics Project # 30348245

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Label BLM
LIMS Login BLM

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used 9 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 2.4 °C Correction Factor: 0 °C Final Temp: 2.4 °C

Temp should be above freezing to 6°C

pH paper Lot# N/A

Date and Initials of person examining contents: BLM 2-5-20

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:	✓			8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used:	✓			
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: (VOA), coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix		✓		16.
All containers meet method preservation requirements.	✓			Initial when completed: BLM Date/time of preservation:
				Lot # of added preservative:
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:	✓			18.
Trip Blank Custody Seals Present	✓			
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed: Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

February 17, 2020

Mr. James Calenda
EnviroAnalytics Group, LLC
1600 Sparrows Point Blvd
Suite B2
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30348539

Dear Mr. Calenda:
Enclosed are the analytical results for sample(s) received by the laboratory on February 05, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30348539

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Florida: Cert E871149 SEKS WET
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30348539

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30348539001	**Trip Blank**	Water	02/05/20 00:01	02/05/20 21:30
30348539002	**CO93-PZM**	Water	02/05/20 09:40	02/05/20 21:30
30348539003	**CO18-PZM006**	Water	02/05/20 10:26	02/05/20 21:30
30348539004	**CO101-PZMXXX**	Water	02/05/20 10:35	02/05/20 21:30
30348539005	**CO39-PZM007**	Water	02/05/20 11:41	02/05/20 21:30
30348539006	**CO39-PZM042**	Water	02/05/20 12:11	02/05/20 21:30
30348539007	**CO36-PZM008**	Water	02/05/20 13:31	02/05/20 21:30
30348539008	**CO36-PZM043**	Water	02/05/20 14:00	02/05/20 21:30
30348539009	**CO40-PZM008**	Water	02/05/20 15:00	02/05/20 21:30

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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30348539

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30348539001	**Trip Blank**	EPA 8260B	KAC	53	PASI-PA
30348539002	**CO93-PZM**	EPA 8260B	KAC	53	PASI-PA
30348539003	**CO18-PZM006**	EPA 8260B	KAC	53	PASI-PA
30348539004	**CO101-PZMXXX**	EPA 8260B	KAC	53	PASI-PA
30348539005	**CO39-PZM007**	EPA 8260B	KAC	53	PASI-PA
30348539006	**CO39-PZM042**	EPA 8260B	KAC	53	PASI-PA
30348539007	**CO36-PZM008**	EPA 8260B	KAC	53	PASI-PA
30348539008	**CO36-PZM043**	EPA 8260B	KAC	53	PASI-PA
30348539009	**CO40-PZM008**	EPA 8260B	KAC	53	PASI-PA

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348539

Sample: Trip Blank **Lab ID: 30348539001** Collected: 02/05/20 00:01 Received: 02/05/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/12/20 15:13	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/12/20 15:13	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/12/20 15:13	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/12/20 15:13	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/12/20 15:13	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/12/20 15:13	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/12/20 15:13	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/12/20 15:13	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/12/20 15:13	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/12/20 15:13	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/12/20 15:13	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/12/20 15:13	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/12/20 15:13	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/12/20 15:13	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/12/20 15:13	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/12/20 15:13	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		02/12/20 15:13	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/12/20 15:13	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		02/12/20 15:13	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/12/20 15:13	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/12/20 15:13	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/12/20 15:13	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/12/20 15:13	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/12/20 15:13	75-15-0	L1
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/12/20 15:13	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/12/20 15:13	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/12/20 15:13	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/12/20 15:13	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/12/20 15:13	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/12/20 15:13	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/12/20 15:13	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		02/12/20 15:13	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/12/20 15:13	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/12/20 15:13	1634-04-4	
Methylene Chloride	**1.0**	ug/L	1.0	0.64	1		02/12/20 15:13	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		02/12/20 15:13	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		02/12/20 15:13	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/12/20 15:13	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		02/12/20 15:13	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/12/20 15:13	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/12/20 15:13	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/12/20 15:13	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/12/20 15:13	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		02/12/20 15:13	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/12/20 15:13	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/12/20 15:13	10061-01-5	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348539

Sample: Trip Blank **Lab ID: 30348539001** Collected: 02/05/20 00:01 Received: 02/05/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/12/20 15:13	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/12/20 15:13	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/12/20 15:13	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		1		02/12/20 15:13	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		1		02/12/20 15:13	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		1		02/12/20 15:13	2037-26-5	
Dibromofluoromethane (S)	98	%.	70-130		1		02/12/20 15:13	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348539

Sample: CO93-PZM **Lab ID: 30348539002** Collected: 02/05/20 09:40 Received: 02/05/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/07/20 21:20	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 21:20	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 21:20	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 21:20	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 21:20	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 21:20	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 21:20	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/07/20 21:20	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 21:20	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 21:20	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 21:20	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 21:20	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 21:20	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/07/20 21:20	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/07/20 21:20	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/07/20 21:20	108-10-1	
Acetone	**33.7J**	ug/L	50.0	28.0	5		02/07/20 21:20	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/07/20 21:20	107-13-1	
Benzene	**182000**	ug/L	1000	338	1000		02/07/20 18:12	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 21:20	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 21:20	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/07/20 21:20	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/07/20 21:20	74-83-9	
Carbon disulfide	**18.9**	ug/L	5.0	1.6	5		02/07/20 21:20	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 21:20	56-23-5	
Chlorobenzene	**11.5**	ug/L	5.0	1.3	5		02/07/20 21:20	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/07/20 21:20	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 21:20	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 21:20	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/07/20 21:20	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 21:20	74-95-3	
Ethylbenzene	**1270**	ug/L	5.0	2.0	5		02/07/20 21:20	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/07/20 21:20	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 21:20	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		02/07/20 21:20	75-09-2	
Naphthalene	**4440**	ug/L	2000	819	1000		02/07/20 18:12	91-20-3	
Styrene	**1390**	ug/L	5.0	1.6	5		02/07/20 21:20	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 21:20	127-18-4	
Toluene	**58000**	ug/L	1000	317	1000		02/07/20 18:12	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/07/20 21:20	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/07/20 21:20	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 21:20	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 21:20	75-01-4	
Xylene (Total)	**14600**	ug/L	3000	1350	1000		02/07/20 18:12	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 21:20	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 21:20	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348539

Sample: CO93-PZM **Lab ID: 30348539002** Collected: 02/05/20 09:40 Received: 02/05/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 21:20	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 21:20	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/07/20 21:20	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	103	%.	70-130		5		02/07/20 21:20	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%.	70-130		5		02/07/20 21:20	17060-07-0	
Toluene-d8 (S)	96	%.	70-130		5		02/07/20 21:20	2037-26-5	
Dibromofluoromethane (S)	89	%.	70-130		5		02/07/20 21:20	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348539

Sample: CO18-PZM006 **Lab ID: 30348539003** Collected: 02/05/20 10:26 Received: 02/05/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/07/20 21:45	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 21:45	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 21:45	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 21:45	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 21:45	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 21:45	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 21:45	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/07/20 21:45	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 21:45	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 21:45	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 21:45	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 21:45	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 21:45	106-46-7	
2-Butanone (MEK)	**20.6J**	ug/L	50.0	7.6	5		02/07/20 21:45	78-93-3	
2-Hexanone	**12.8J**	ug/L	50.0	2.9	5		02/07/20 21:45	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/07/20 21:45	108-10-1	
Acetone	**76.8**	ug/L	50.0	28.0	5		02/07/20 21:45	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/07/20 21:45	107-13-1	
Benzene	**518000**	ug/L	5000	1690	5000		02/11/20 13:23	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 21:45	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 21:45	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/07/20 21:45	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/07/20 21:45	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 21:45	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 21:45	56-23-5	
Chlorobenzene	**1.4J**	ug/L	5.0	1.3	5		02/07/20 21:45	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/07/20 21:45	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 21:45	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 21:45	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/07/20 21:45	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 21:45	74-95-3	
Ethylbenzene	**84.6**	ug/L	5.0	2.0	5		02/07/20 21:45	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/07/20 21:45	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 21:45	1634-04-4	
Methylene Chloride	**3.4J**	ug/L	5.0	3.2	5		02/07/20 21:45	75-09-2	
Naphthalene	**395**	ug/L	10.0	4.1	5		02/07/20 21:45	91-20-3	
Styrene	**3.3J**	ug/L	5.0	1.6	5		02/07/20 21:45	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 21:45	127-18-4	
Toluene	**19300**	ug/L	1000	317	1000		02/07/20 18:37	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/07/20 21:45	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/07/20 21:45	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 21:45	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 21:45	75-01-4	
Xylene (Total)	**2090**	ug/L	15.0	6.8	5		02/07/20 21:45	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 21:45	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 21:45	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348539

Sample: CO18-PZM006 **Lab ID: 30348539003** Collected: 02/05/20 10:26 Received: 02/05/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 21:45	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 21:45	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/07/20 21:45	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		5		02/07/20 21:45	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%.	70-130		5		02/07/20 21:45	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		5		02/07/20 21:45	2037-26-5	
Dibromofluoromethane (S)	86	%.	70-130		5		02/07/20 21:45	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348539

Sample: CO101-PZMXXX **Lab ID: 30348539004** Collected: 02/05/20 10:35 Received: 02/05/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/07/20 16:20	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 16:20	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/07/20 16:20	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 16:20	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 16:20	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 16:20	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/07/20 16:20	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/07/20 16:20	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 16:20	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 16:20	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 16:20	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 16:20	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 16:20	106-46-7	
2-Butanone (MEK)	**27.6**	ug/L	10.0	1.5	1		02/07/20 16:20	78-93-3	
2-Hexanone	**17.4**	ug/L	10.0	0.58	1		02/07/20 16:20	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/07/20 16:20	108-10-1	
Acetone	**103**	ug/L	10.0	5.6	1		02/07/20 16:20	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/07/20 16:20	107-13-1	
Benzene	**6730**	ug/L	50.0	16.9	50		02/07/20 13:38	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 16:20	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/07/20 16:20	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/07/20 16:20	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/07/20 16:20	74-83-9	
Carbon disulfide	**0.37J**	ug/L	1.0	0.32	1		02/07/20 16:20	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 16:20	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/07/20 16:20	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/07/20 16:20	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 16:20	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/07/20 16:20	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/07/20 16:20	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/07/20 16:20	74-95-3	
Ethylbenzene	**7.3**	ug/L	1.0	0.40	1		02/07/20 16:20	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/07/20 16:20	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/07/20 16:20	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/07/20 16:20	75-09-2	
Naphthalene	**207**	ug/L	2.0	0.82	1		02/07/20 16:20	91-20-3	
Styrene	**2.0**	ug/L	1.0	0.33	1		02/07/20 16:20	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 16:20	127-18-4	
Toluene	**402**	ug/L	50.0	15.8	50		02/07/20 13:38	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 16:20	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/07/20 16:20	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/07/20 16:20	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 16:20	75-01-4	
Xylene (Total)	**90.5**	ug/L	3.0	1.4	1		02/07/20 16:20	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 16:20	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 16:20	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348539

Sample: CO101-PZMXXX **Lab ID: 30348539004** Collected: 02/05/20 10:35 Received: 02/05/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 16:20	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 16:20	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/07/20 16:20	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	98	%.	70-130		1		02/07/20 16:20	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		1		02/07/20 16:20	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		1		02/07/20 16:20	2037-26-5	
Dibromofluoromethane (S)	90	%.	70-130		1		02/07/20 16:20	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348539

Sample: CO39-PZM007 **Lab ID: 30348539005** Collected: 02/05/20 11:41 Received: 02/05/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/07/20 15:30	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 15:30	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 15:30	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 15:30	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 15:30	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 15:30	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 15:30	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/07/20 15:30	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 15:30	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 15:30	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 15:30	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 15:30	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 15:30	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/07/20 15:30	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/07/20 15:30	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/07/20 15:30	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		02/07/20 15:30	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/07/20 15:30	107-13-1	
Benzene	**657**	ug/L	5.0	1.7	5		02/07/20 15:30	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 15:30	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 15:30	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/07/20 15:30	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/07/20 15:30	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 15:30	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 15:30	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/07/20 15:30	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/07/20 15:30	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 15:30	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 15:30	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/07/20 15:30	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 15:30	74-95-3	
Ethylbenzene	**4.3J**	ug/L	5.0	2.0	5		02/07/20 15:30	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/07/20 15:30	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 15:30	1634-04-4	
Methylene Chloride	**3.8J**	ug/L	5.0	3.2	5		02/07/20 15:30	75-09-2	
Naphthalene	**1120**	ug/L	10.0	4.1	5		02/07/20 15:30	91-20-3	
Styrene	**3.5J**	ug/L	5.0	1.6	5		02/07/20 15:30	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 15:30	127-18-4	
Toluene	**98.6**	ug/L	5.0	1.6	5		02/07/20 15:30	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/07/20 15:30	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/07/20 15:30	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 15:30	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 15:30	75-01-4	
Xylene (Total)	**32.7**	ug/L	15.0	6.8	5		02/07/20 15:30	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 15:30	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 15:30	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348539

Sample: CO39-PZM007 **Lab ID: 30348539005** Collected: 02/05/20 11:41 Received: 02/05/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 15:30	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 15:30	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/07/20 15:30	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	99	%.	70-130		5		02/07/20 15:30	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%.	70-130		5		02/07/20 15:30	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		5		02/07/20 15:30	2037-26-5	
Dibromofluoromethane (S)	95	%.	70-130		5		02/07/20 15:30	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348539

Sample: CO39-PZM042 **Lab ID: 30348539006** Collected: 02/05/20 12:11 Received: 02/05/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/07/20 18:50	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 18:50	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 18:50	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 18:50	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 18:50	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 18:50	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 18:50	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/07/20 18:50	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 18:50	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 18:50	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 18:50	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 18:50	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 18:50	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/07/20 18:50	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/07/20 18:50	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/07/20 18:50	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		02/07/20 18:50	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/07/20 18:50	107-13-1	
Benzene	**6280**	ug/L	100	33.8	100		02/07/20 15:43	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 18:50	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 18:50	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/07/20 18:50	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/07/20 18:50	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 18:50	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 18:50	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/07/20 18:50	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/07/20 18:50	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 18:50	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 18:50	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/07/20 18:50	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 18:50	74-95-3	
Ethylbenzene	**63.7**	ug/L	5.0	2.0	5		02/07/20 18:50	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/07/20 18:50	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 18:50	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		02/07/20 18:50	75-09-2	
Naphthalene	**1610**	ug/L	10.0	4.1	5		02/07/20 18:50	91-20-3	
Styrene	**93.6**	ug/L	5.0	1.6	5		02/07/20 18:50	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 18:50	127-18-4	
Toluene	**1980**	ug/L	5.0	1.6	5		02/07/20 18:50	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/07/20 18:50	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/07/20 18:50	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 18:50	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 18:50	75-01-4	
Xylene (Total)	**524**	ug/L	15.0	6.8	5		02/07/20 18:50	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 18:50	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 18:50	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348539

Sample: CO39-PZM042 **Lab ID: 30348539006** Collected: 02/05/20 12:11 Received: 02/05/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 18:50	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 18:50	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/07/20 18:50	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		5		02/07/20 18:50	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		5		02/07/20 18:50	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		5		02/07/20 18:50	2037-26-5	
Dibromofluoromethane (S)	94	%.	70-130		5		02/07/20 18:50	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348539

Sample: CO36-PZM008 **Lab ID: 30348539007** Collected: 02/05/20 13:31 Received: 02/05/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/07/20 19:40	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 19:40	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 19:40	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 19:40	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 19:40	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 19:40	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 19:40	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/07/20 19:40	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 19:40	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 19:40	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 19:40	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 19:40	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 19:40	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/07/20 19:40	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/07/20 19:40	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/07/20 19:40	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		02/07/20 19:40	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/07/20 19:40	107-13-1	
Benzene	**7190**	ug/L	200	67.6	200		02/07/20 16:33	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 19:40	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 19:40	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/07/20 19:40	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/07/20 19:40	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 19:40	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 19:40	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/07/20 19:40	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/07/20 19:40	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 19:40	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 19:40	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/07/20 19:40	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 19:40	74-95-3	
Ethylbenzene	**23.7**	ug/L	5.0	2.0	5		02/07/20 19:40	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/07/20 19:40	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 19:40	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		02/07/20 19:40	75-09-2	
Naphthalene	**447**	ug/L	10.0	4.1	5		02/07/20 19:40	91-20-3	
Styrene	**7.5**	ug/L	5.0	1.6	5		02/07/20 19:40	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 19:40	127-18-4	
Toluene	**1390**	ug/L	5.0	1.6	5		02/07/20 19:40	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/07/20 19:40	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/07/20 19:40	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 19:40	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 19:40	75-01-4	
Xylene (Total)	**595**	ug/L	15.0	6.8	5		02/07/20 19:40	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 19:40	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 19:40	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348539

Sample: CO36-PZM008 **Lab ID: 30348539007** Collected: 02/05/20 13:31 Received: 02/05/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 19:40	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 19:40	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/07/20 19:40	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		5		02/07/20 19:40	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%.	70-130		5		02/07/20 19:40	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		5		02/07/20 19:40	2037-26-5	
Dibromofluoromethane (S)	92	%.	70-130		5		02/07/20 19:40	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348539

Sample: CO36-PZM043 **Lab ID: 30348539008** Collected: 02/05/20 14:00 Received: 02/05/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/07/20 20:05	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 20:05	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 20:05	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 20:05	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 20:05	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 20:05	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 20:05	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/07/20 20:05	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 20:05	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 20:05	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 20:05	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 20:05	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 20:05	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/07/20 20:05	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/07/20 20:05	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/07/20 20:05	108-10-1	
Acetone	**29.2J**	ug/L	50.0	28.0	5		02/07/20 20:05	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/07/20 20:05	107-13-1	
Benzene	**21600**	ug/L	200	67.6	200		02/07/20 16:58	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/07/20 20:05	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 20:05	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/07/20 20:05	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/07/20 20:05	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 20:05	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/07/20 20:05	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/07/20 20:05	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/07/20 20:05	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 20:05	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 20:05	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/07/20 20:05	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/07/20 20:05	74-95-3	
Ethylbenzene	**68.7**	ug/L	5.0	2.0	5		02/07/20 20:05	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/07/20 20:05	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/07/20 20:05	1634-04-4	
Methylene Chloride	**3.3J**	ug/L	5.0	3.2	5		02/07/20 20:05	75-09-2	
Naphthalene	**764**	ug/L	10.0	4.1	5		02/07/20 20:05	91-20-3	
Styrene	**15.9**	ug/L	5.0	1.6	5		02/07/20 20:05	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/07/20 20:05	127-18-4	
Toluene	**4080**	ug/L	200	63.4	200		02/07/20 16:58	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/07/20 20:05	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/07/20 20:05	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/07/20 20:05	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 20:05	75-01-4	
Xylene (Total)	**1020**	ug/L	15.0	6.8	5		02/07/20 20:05	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/07/20 20:05	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 20:05	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348539

Sample: CO36-PZM043 **Lab ID: 30348539008** Collected: 02/05/20 14:00 Received: 02/05/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/07/20 20:05	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/07/20 20:05	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/07/20 20:05	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		5		02/07/20 20:05	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		5		02/07/20 20:05	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		5		02/07/20 20:05	2037-26-5	
Dibromofluoromethane (S)	91	%.	70-130		5		02/07/20 20:05	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348539

Sample: CO40-PZM008 **Lab ID: 30348539009** Collected: 02/05/20 15:00 Received: 02/05/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/07/20 15:05	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 15:05	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/07/20 15:05	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 15:05	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 15:05	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/07/20 15:05	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/07/20 15:05	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/07/20 15:05	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 15:05	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 15:05	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/07/20 15:05	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 15:05	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 15:05	106-46-7	
2-Butanone (MEK)	**1.7J**	ug/L	10.0	1.5	1		02/07/20 15:05	78-93-3	
2-Hexanone	**0.70J**	ug/L	10.0	0.58	1		02/07/20 15:05	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/07/20 15:05	108-10-1	
Acetone	**5.9J**	ug/L	10.0	5.6	1		02/07/20 15:05	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/07/20 15:05	107-13-1	
Benzene	**3250**	ug/L	50.0	16.9	50		02/11/20 15:03	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/07/20 15:05	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/07/20 15:05	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/07/20 15:05	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/07/20 15:05	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 15:05	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/07/20 15:05	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/07/20 15:05	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/07/20 15:05	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 15:05	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/07/20 15:05	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/07/20 15:05	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/07/20 15:05	74-95-3	
Ethylbenzene	**48.6**	ug/L	1.0	0.40	1		02/07/20 15:05	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/07/20 15:05	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/07/20 15:05	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/07/20 15:05	75-09-2	
Naphthalene	**2310**	ug/L	100	41.0	50		02/11/20 15:03	91-20-3	
Styrene	**46.2**	ug/L	1.0	0.33	1		02/07/20 15:05	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/07/20 15:05	127-18-4	
Toluene	**898**	ug/L	50.0	15.8	50		02/11/20 15:03	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 15:05	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/07/20 15:05	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/07/20 15:05	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 15:05	75-01-4	
Xylene (Total)	**353**	ug/L	3.0	1.4	1		02/07/20 15:05	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/07/20 15:05	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/07/20 15:05	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30348539

Sample: CO40-PZM008 **Lab ID: 30348539009** Collected: 02/05/20 15:00 Received: 02/05/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/07/20 15:05	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/07/20 15:05	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/07/20 15:05	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		1		02/07/20 15:05	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%.	70-130		1		02/07/20 15:05	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		02/07/20 15:05	2037-26-5	
Dibromofluoromethane (S)	91	%.	70-130		1		02/07/20 15:05	1868-53-7	

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30348539

QC Batch: 382740 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Associated Lab Samples: 30348539002, 30348539003, 30348539004, 30348539005, 30348539006, 30348539007, 30348539008, 30348539009

METHOD BLANK: 1854828 Matrix: Water
Associated Lab Samples: 30348539002, 30348539003, 30348539004, 30348539005, 30348539006, 30348539007, 30348539008, 30348539009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	02/07/20 13:00	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	02/07/20 13:00	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	02/07/20 13:00	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	02/07/20 13:00	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	02/07/20 13:00	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	02/07/20 13:00	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	02/07/20 13:00	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	02/07/20 13:00	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	02/07/20 13:00	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	02/07/20 13:00	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	02/07/20 13:00	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	02/07/20 13:00	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	02/07/20 13:00	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	02/07/20 13:00	
2-Hexanone	ug/L	10.0 U	10.0	0.58	02/07/20 13:00	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	02/07/20 13:00	
Acetone	ug/L	10.0 U	10.0	5.6	02/07/20 13:00	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	02/07/20 13:00	
Benzene	ug/L	1.0 U	1.0	0.34	02/07/20 13:00	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	02/07/20 13:00	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	02/07/20 13:00	
Bromoform	ug/L	1.0 U	1.0	0.56	02/07/20 13:00	
Bromomethane	ug/L	1.0 U	1.0	0.73	02/07/20 13:00	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	02/07/20 13:00	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	02/07/20 13:00	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	02/07/20 13:00	
Chloroethane	ug/L	1.0 U	1.0	0.64	02/07/20 13:00	
Chloroform	ug/L	1.0 U	1.0	0.39	02/07/20 13:00	
Chloromethane	ug/L	1.0 U	1.0	0.40	02/07/20 13:00	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	02/07/20 13:00	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	02/07/20 13:00	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	02/07/20 13:00	
Dibromomethane	ug/L	1.0 U	1.0	0.34	02/07/20 13:00	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	02/07/20 13:00	
Iodomethane	ug/L	50.0 U	50.0	0.52	02/07/20 13:00	
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	02/07/20 13:00	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	02/07/20 13:00	
Naphthalene	ug/L	2.0 U	2.0	0.82	02/07/20 13:00	
Styrene	ug/L	1.0 U	1.0	0.33	02/07/20 13:00	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	02/07/20 13:00	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30348539

METHOD BLANK: 1854828 Matrix: Water
Associated Lab Samples: 30348539002, 30348539003, 30348539004, 30348539005, 30348539006, 30348539007, 30348539008, 30348539009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	02/07/20 13:00	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	02/07/20 13:00	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	02/07/20 13:00	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	02/07/20 13:00	
Trichloroethene	ug/L	1.0 U	1.0	0.29	02/07/20 13:00	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	02/07/20 13:00	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	02/07/20 13:00	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	02/07/20 13:00	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	02/07/20 13:00	
1,2-Dichloroethane-d4 (S)	%.	103	70-130		02/07/20 13:00	
4-Bromofluorobenzene (S)	%.	99	70-130		02/07/20 13:00	
Dibromofluoromethane (S)	%.	94	70-130		02/07/20 13:00	
Toluene-d8 (S)	%.	100	70-130		02/07/20 13:00	

LABORATORY CONTROL SAMPLE: 1854829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.8	99	70-130	
1,1,1-Trichloroethane	ug/L	20	21.4	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.6	108	70-130	
1,1,2-Trichloroethane	ug/L	20	20.3	101	70-130	
1,1-Dichloroethane	ug/L	20	20.3	102	70-130	
1,1-Dichloroethene	ug/L	20	19.0	95	70-130	
1,2,3-Trichloropropane	ug/L	20	20.4	102	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	21.7	109	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	19.9	100	70-130	
1,2-Dichlorobenzene	ug/L	20	21.1	105	70-130	
1,2-Dichloroethane	ug/L	20	20.2	101	70-130	
1,2-Dichloropropane	ug/L	20	20.8	104	70-130	
1,4-Dichlorobenzene	ug/L	20	20.7	104	70-130	
2-Butanone (MEK)	ug/L	20	22.6	113	70-130	
2-Hexanone	ug/L	20	23.7	118	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	22.7	114	70-130	
Acetone	ug/L	20	23.9	119	67-173	
Acrylonitrile	ug/L	20	21.8	109	56-147	
Benzene	ug/L	20	21.2	106	70-130	
Bromochloromethane	ug/L	20	19.7	99	70-130	
Bromodichloromethane	ug/L	20	20.8	104	70-130	
Bromoform	ug/L	20	17.0	85	63-119	
Bromomethane	ug/L	20	16.6	83	24-159	
Carbon disulfide	ug/L	20	24.7	124	57-132	
Carbon tetrachloride	ug/L	20	20.1	100	70-130	
Chlorobenzene	ug/L	20	21.2	106	70-130	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30348539

LABORATORY CONTROL SAMPLE: 1854829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	20	17.9	90	62-145	
Chloroform	ug/L	20	19.2	96	70-130	
Chloromethane	ug/L	20	17.6	88	66-140	
cis-1,2-Dichloroethene	ug/L	20	19.8	99	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.2	106	70-130	
Dibromochloromethane	ug/L	20	20.1	100	70-130	
Dibromomethane	ug/L	20	18.4	92	70-130	
Ethylbenzene	ug/L	20	21.8	109	70-130	
Iodomethane	ug/L	20	19.4J	97	10-175	
Methyl-tert-butyl ether	ug/L	20	21.6	108	70-130	
Methylene Chloride	ug/L	20	20.9	105	70-130	
Naphthalene	ug/L	20	26.8	134	55-160	
Styrene	ug/L	20	21.8	109	70-130	
Tetrachloroethene	ug/L	20	21.0	105	70-130	
Toluene	ug/L	20	21.5	108	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.6	103	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.8	109	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	26.3	132	48-131	L1
Trichloroethene	ug/L	20	20.1	100	70-130	
Trichlorofluoromethane	ug/L	20	19.9	100	70-130	
Vinyl acetate	ug/L	20	19.9	99	33-128	
Vinyl chloride	ug/L	20	18.6	93	70-130	
Xylene (Total)	ug/L	60	64.7	108	70-130	
1,2-Dichloroethane-d4 (S)	%.			98	70-130	
4-Bromofluorobenzene (S)	%.			100	70-130	
Dibromofluoromethane (S)	%.			96	70-130	
Toluene-d8 (S)	%.			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1854830 1854831

Parameter	Units	30348244002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	20	20	17.5	18.0	87	90	59-117	3	30	
1,1,1-Trichloroethane	ug/L	1.0 U	20	20	20.3	21.2	101	106	55-146	5	30	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	20	20	20.7	21.7	104	109	55-118	5	30	
1,1,2-Trichloroethane	ug/L	1.0 U	20	20	20.1	20.5	100	102	61-122	2	30	
1,1-Dichloroethane	ug/L	1.0 U	20	20	19.7	20.8	98	104	59-130	6	30	
1,1-Dichloroethene	ug/L	1.0 U	20	20	17.9	18.6	89	93	52-119	4	30	
1,2,3-Trichloropropane	ug/L	1.0 U	20	20	20.0	21.2	100	106	59-117	6	30	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	20	20	19.9	20.3	99	102	32-112	2	30	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	20	20	19.7	20.5	99	102	61-116	4	30	
1,2-Dichlorobenzene	ug/L	1.0 U	20	20	20.0	18.7	100	94	58-126	7	30	
1,2-Dichloroethane	ug/L	1.0 U	20	20	19.5	20.1	98	101	49-135	3	30	
1,2-Dichloropropane	ug/L	1.0 U	20	20	19.6	20.9	98	104	67-121	6	30	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30348539

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1854830 1854831

Parameter	Units	30348244002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dichlorobenzene	ug/L	1.0 U	20	20	19.3	18.3	97	92	60-121	5	30	
2-Butanone (MEK)	ug/L	50.6	20	20	23.3	25.3	-137	-127	59-138	8	30	ML
2-Hexanone	ug/L	42.8	20	20	26.1	28.7	-83	-70	66-123	9	30	ML
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	20	20	21.2	27.1	106	135	70-130	24	30	MH
Acetone	ug/L	178	20	20	31.5	30.2	-730	-737	57-140	4	30	ML
Acrylonitrile	ug/L	4.0 U	20	20	19.5	25.2	97	126	47-134	25	30	
Benzene	ug/L	7.4	20	20	81.1	53.3	369	230	50-149	41	30	MH,R1
Bromochloromethane	ug/L	1.0 U	20	20	19.5	19.5	98	98	63-120	0	30	
Bromodichloromethane	ug/L	1.0 U	20	20	18.1	19.5	91	98	46-131	7	30	
Bromoform	ug/L	1.0 U	20	20	13.3	14.6	67	73	30-119	9	30	
Bromomethane	ug/L	1.0 U	20	20	7.4	10.3	37	52	10-163	33	30	R1
Carbon disulfide	ug/L	1.0 U	20	20	19.8	19.9	99	99	41-116	1	30	
Carbon tetrachloride	ug/L	1.0 U	20	20	17.0	17.8	85	89	55-119	5	30	
Chlorobenzene	ug/L	1.0 U	20	20	20.0	20.2	100	101	66-124	1	30	
Chloroethane	ug/L	1.0 U	20	20	20.6	25.1	103	126	45-162	20	30	
Chloroform	ug/L	1.0 U	20	20	18.1	19.5	90	98	56-123	8	30	
Chloromethane	ug/L	1.0 U	20	20	18.7	21.7	93	108	49-150	15	30	
cis-1,2-Dichloroethene	ug/L	1.0 U	20	20	19.2	19.9	96	100	63-116	4	30	
cis-1,3-Dichloropropene	ug/L	1.0 U	20	20	18.5	19.5	93	97	46-119	5	30	
Dibromochloromethane	ug/L	1.0 U	20	20	16.4	17.7	82	88	42-120	8	30	
Dibromomethane	ug/L	1.0 U	20	20	18.1	18.5	91	93	55-117	2	30	
Ethylbenzene	ug/L	1.0 U	20	20	20.9	19.8	104	99	63-135	5	30	
Iodomethane	ug/L	50.0 U	20	20	9.3J	16.1J	46	81	10-175		30	
Methyl-tert-butyl ether	ug/L	1.0 U	20	20	17.9	22.2	90	111	53-123	21	30	
Methylene Chloride	ug/L	1.0 U	20	20	20.5	20.2	102	101	57-132	2	30	
Naphthalene	ug/L	1.1J	20	20	39.8	36.1	193	175	30-157	10	30	MH
Styrene	ug/L	1.0 U	20	20	20.3	20.3	101	101	58-130	0	30	
Tetrachloroethene	ug/L	1.0 U	20	20	20.7	18.0	104	90	61-132	14	30	
Toluene	ug/L	0.75J	20	20	25.1	23.3	122	113	59-139	7	30	
trans-1,2-Dichloroethene	ug/L	1.0 U	20	20	18.5	18.7	92	94	60-124	1	30	
trans-1,3-Dichloropropene	ug/L	1.0 U	20	20	19.3	19.6	96	98	48-121	2	30	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	20	14.3	18.6	71	93	10-111	26	30	
Trichloroethene	ug/L	1.0 U	20	20	19.0	19.1	95	95	63-128	0	30	
Trichlorofluoromethane	ug/L	1.0 U	20	20	21.2	23.7	106	118	70-152	11	30	
Vinyl acetate	ug/L	1.0 U	20	20	17.0	20.9	85	104	23-102	21	30	MH
Vinyl chloride	ug/L	1.0 U	20	20	20.5	23.5	102	118	67-141	14	30	
Xylene (Total)	ug/L	3.0 U	60	60	62.6	58.9	104	98	63-135	6	30	
1,2-Dichloroethane-d4 (S)	%.						100	97	70-130			
4-Bromofluorobenzene (S)	%.						100	100	70-130			
Dibromofluoromethane (S)	%.						95	95	70-130			
Toluene-d8 (S)	%.						101	99	70-130			

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30348539

QC Batch: 383563 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Associated Lab Samples: 30348539001

METHOD BLANK: 1858659 Matrix: Water
Associated Lab Samples: 30348539001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	02/12/20 13:34	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	02/12/20 13:34	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	02/12/20 13:34	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	02/12/20 13:34	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	02/12/20 13:34	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	02/12/20 13:34	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	02/12/20 13:34	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	02/12/20 13:34	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	02/12/20 13:34	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	02/12/20 13:34	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	02/12/20 13:34	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	02/12/20 13:34	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	02/12/20 13:34	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	02/12/20 13:34	
2-Hexanone	ug/L	10.0 U	10.0	0.58	02/12/20 13:34	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	02/12/20 13:34	
Acetone	ug/L	10.0 U	10.0	5.6	02/12/20 13:34	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	02/12/20 13:34	
Benzene	ug/L	1.0 U	1.0	0.34	02/12/20 13:34	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	02/12/20 13:34	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	02/12/20 13:34	
Bromoform	ug/L	1.0 U	1.0	0.56	02/12/20 13:34	
Bromomethane	ug/L	1.0 U	1.0	0.73	02/12/20 13:34	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	02/12/20 13:34	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	02/12/20 13:34	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	02/12/20 13:34	
Chloroethane	ug/L	1.0 U	1.0	0.64	02/12/20 13:34	
Chloroform	ug/L	1.0 U	1.0	0.39	02/12/20 13:34	
Chloromethane	ug/L	1.0 U	1.0	0.40	02/12/20 13:34	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	02/12/20 13:34	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	02/12/20 13:34	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	02/12/20 13:34	
Dibromomethane	ug/L	1.0 U	1.0	0.34	02/12/20 13:34	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	02/12/20 13:34	
Iodomethane	ug/L	50.0 U	50.0	0.52	02/12/20 13:34	
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	02/12/20 13:34	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	02/12/20 13:34	
Naphthalene	ug/L	2.0 U	2.0	0.82	02/12/20 13:34	
Styrene	ug/L	1.0 U	1.0	0.33	02/12/20 13:34	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	02/12/20 13:34	
Toluene	ug/L	1.0 U	1.0	0.32	02/12/20 13:34	

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REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30348539

METHOD BLANK: 1858659 Matrix: Water
Associated Lab Samples: 30348539001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	02/12/20 13:34	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	02/12/20 13:34	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	02/12/20 13:34	
Trichloroethene	ug/L	1.0 U	1.0	0.29	02/12/20 13:34	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	02/12/20 13:34	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	02/12/20 13:34	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	02/12/20 13:34	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	02/12/20 13:34	
1,2-Dichloroethane-d4 (S)	%.	101	70-130		02/12/20 13:34	
4-Bromofluorobenzene (S)	%.	103	70-130		02/12/20 13:34	
Dibromofluoromethane (S)	%.	100	70-130		02/12/20 13:34	
Toluene-d8 (S)	%.	100	70-130		02/12/20 13:34	

LABORATORY CONTROL SAMPLE: 1858660

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.9	95	70-130	
1,1,1-Trichloroethane	ug/L	20	22.0	110	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.5	103	70-130	
1,1,2-Trichloroethane	ug/L	20	20.3	101	70-130	
1,1-Dichloroethane	ug/L	20	21.4	107	70-130	
1,1-Dichloroethene	ug/L	20	18.4	92	70-130	
1,2,3-Trichloropropane	ug/L	20	19.4	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	20.1	100	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	20.4	102	70-130	
1,2-Dichlorobenzene	ug/L	20	20.5	102	70-130	
1,2-Dichloroethane	ug/L	20	20.9	105	70-130	
1,2-Dichloropropane	ug/L	20	21.6	108	70-130	
1,4-Dichlorobenzene	ug/L	20	20.7	103	70-130	
2-Butanone (MEK)	ug/L	20	22.5	113	70-130	
2-Hexanone	ug/L	20	23.6	118	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	24.0	120	70-130	
Acetone	ug/L	20	23.5	118	67-173	
Acrylonitrile	ug/L	20	23.3	116	56-147	
Benzene	ug/L	20	22.0	110	70-130	
Bromochloromethane	ug/L	20	20.2	101	70-130	
Bromodichloromethane	ug/L	20	21.6	108	70-130	
Bromoform	ug/L	20	14.9	75	63-119	
Bromomethane	ug/L	20	13.4	67	24-159	
Carbon disulfide	ug/L	20	27.1	136	57-132	L1
Carbon tetrachloride	ug/L	20	19.3	96	70-130	
Chlorobenzene	ug/L	20	21.7	108	70-130	
Chloroethane	ug/L	20	19.1	96	62-145	
Chloroform	ug/L	20	19.3	96	70-130	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30348539

LABORATORY CONTROL SAMPLE: 1858660

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	20	18.3	91	66-140	
cis-1,2-Dichloroethene	ug/L	20	21.2	106	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.7	104	70-130	
Dibromochloromethane	ug/L	20	19.0	95	70-130	
Dibromomethane	ug/L	20	18.7	93	70-130	
Ethylbenzene	ug/L	20	21.9	110	70-130	
Iodomethane	ug/L	20	16.4J	82	10-175	
Methyl-tert-butyl ether	ug/L	20	21.8	109	70-130	
Methylene Chloride	ug/L	20	23.2	116	70-130	
Naphthalene	ug/L	20	26.2	131	55-160	
Styrene	ug/L	20	22.2	111	70-130	
Tetrachloroethene	ug/L	20	20.8	104	70-130	
Toluene	ug/L	20	21.9	109	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.0	100	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.5	107	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	21.4	107	48-131	
Trichloroethene	ug/L	20	20.9	105	70-130	
Trichlorofluoromethane	ug/L	20	21.0	105	70-130	
Vinyl acetate	ug/L	20	19.8	99	33-128	
Vinyl chloride	ug/L	20	19.1	95	70-130	
Xylene (Total)	ug/L	60	65.4	109	70-130	
1,2-Dichloroethane-d4 (S)	%.			97	70-130	
4-Bromofluorobenzene (S)	%.			96	70-130	
Dibromofluoromethane (S)	%.			96	70-130	
Toluene-d8 (S)	%.			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1859322 1859323

Parameter	Units	30349010004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	20	20	16.8	15.7	84	79	59-117	6	30	
1,1,1-Trichloroethane	ug/L	1.0 U	20	20	20.8	19.1	104	95	55-146	9	30	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	20	20	18.8	17.4	94	87	55-118	8	30	
1,1,2-Trichloroethane	ug/L	1.0 U	20	20	19.2	17.2	96	86	61-122	11	30	
1,1-Dichloroethane	ug/L	1.0 U	20	20	20.1	18.4	101	92	59-130	9	30	
1,1-Dichloroethene	ug/L	1.0 U	20	20	18.9	17.5	95	87	52-119	8	30	
1,2,3-Trichloropropane	ug/L	1.0 U	20	20	17.9	16.3	89	82	59-117	9	30	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	20	20	15.7	15.2	78	76	32-112	3	30	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	20	20	18.9	17.0	94	85	61-116	10	30	
1,2-Dichlorobenzene	ug/L	1.0 U	20	20	19.1	17.4	96	87	58-126	9	30	
1,2-Dichloroethane	ug/L	1.0 U	20	20	18.7	17.3	93	86	49-135	8	30	
1,2-Dichloropropane	ug/L	1.0 U	20	20	19.9	18.2	99	91	67-121	9	30	
1,4-Dichlorobenzene	ug/L	1.0 U	20	20	19.0	17.3	95	87	60-121	9	30	
2-Butanone (MEK)	ug/L	10.0 U	20	20	17.2	23.3	86	116	59-138	30	30	

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(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30348539

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1859322 1859323

Parameter	Units	30349010004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Hexanone	ug/L	1.6J	20	20	20.2	26.2	93	123	66-123	26	30	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	20	20	18.4	24.5	92	122	70-130	28	30	
Acetone	ug/L	7.7J	20	20	20.6	26.8	64	95	57-140	26	30	
Acrylonitrile	ug/L	4.0 U	20	20	16.7	21.8	83	109	47-134	27	30	
Benzene	ug/L	1.0 U	20	20	20.3	18.8	101	94	50-149	8	30	
Bromochloromethane	ug/L	1.0 U	20	20	18.5	16.9	93	85	63-120	9	30	
Bromodichloromethane	ug/L	1.0 U	20	20	18.8	17.8	94	89	46-131	6	30	
Bromoform	ug/L	1.0 U	20	20	13.5	13.0	67	65	30-119	4	30	
Bromomethane	ug/L	1.0 U	20	20	13.6	12.9	68	64	10-163	5	30	
Carbon disulfide	ug/L	1.0 U	20	20	19.3	26.5	96	132	41-116	31	30	MH,R1
Carbon tetrachloride	ug/L	1.0 U	20	20	17.7	16.6	88	83	55-119	6	30	
Chlorobenzene	ug/L	1.0 U	20	20	20.1	18.1	100	91	66-124	10	30	
Chloroethane	ug/L	1.0 U	20	20	17.4	16.0	87	80	45-162	8	30	
Chloroform	ug/L	1.0 U	20	20	19.3	17.3	97	86	56-123	11	30	
Chloromethane	ug/L	1.0 U	20	20	14.8	13.4	74	67	49-150	10	30	
cis-1,2-Dichloroethene	ug/L	1.0 U	20	20	18.8	17.5	94	87	63-116	7	30	
cis-1,3-Dichloropropene	ug/L	1.0 U	20	20	18.4	17.6	92	88	46-119	4	30	
Dibromochloromethane	ug/L	1.0 U	20	20	16.9	15.4	85	77	42-120	9	30	
Dibromomethane	ug/L	1.0 U	20	20	17.1	16.0	85	80	55-117	6	30	
Ethylbenzene	ug/L	1.0 U	20	20	20.3	18.5	101	92	63-135	9	30	
Iodomethane	ug/L	50.0 U	20	20	15.6J	22.6J	78	113	10-175		30	
Methyl-tert-butyl ether	ug/L	1.0 U	20	20	15.7	22.2	78	111	53-123	35	30	R1
Methylene Chloride	ug/L	1.0 U	20	20	19.4	18.4	97	92	57-132	5	30	
Naphthalene	ug/L	2.2	20	20	33.4	22.9	156	104	30-157	37	30	R1
Styrene	ug/L	1.0 U	20	20	19.8	18.4	99	92	58-130	7	30	
Tetrachloroethene	ug/L	1.0 U	20	20	20.3	18.1	101	91	61-132	11	30	
Toluene	ug/L	1.0 U	20	20	21.0	18.9	105	94	59-139	10	30	
trans-1,2-Dichloroethene	ug/L	1.0 U	20	20	20.1	17.9	100	89	60-124	12	30	
trans-1,3-Dichloropropene	ug/L	1.0 U	20	20	19.2	17.4	96	87	48-121	9	30	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	20	16.2	22.1	81	110	10-111	30	30	
Trichloroethene	ug/L	1.0 U	20	20	18.9	17.9	95	90	63-128	5	30	
Trichlorofluoromethane	ug/L	1.0 U	20	20	19.0	17.1	95	86	70-152	10	30	
Vinyl acetate	ug/L	1.0 U	20	20	16.1	15.5	80	78	23-102	3	30	
Vinyl chloride	ug/L	1.0 U	20	20	16.7	15.6	83	78	67-141	7	30	
Xylene (Total)	ug/L	3.0 U	60	60	61.6	55.6	103	93	63-135	10	30	
1,2-Dichloroethane-d4 (S)	%.						97	104	70-130			
4-Bromofluorobenzene (S)	%.						99	101	70-130			
Dibromofluoromethane (S)	%.						95	99	70-130			
Toluene-d8 (S)	%.						102	101	70-130			

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30348539

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

SAMPLE QUALIFIERS

Sample: 30348539002
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
Sample: 30348539003
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
Sample: 30348539005
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
Sample: 30348539006
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
Sample: 30348539007
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
Sample: 30348539008
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

ANALYTE QUALIFIERS

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

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QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30348539

ANALYTE QUALIFIERS

MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30348539

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30348539001	**Trip Blank**	EPA 8260B	383563		
30348539002	**CO93-PZM**	EPA 8260B	382740		
30348539003	**CO18-PZM006**	EPA 8260B	382740		
30348539004	**CO101-PZMXXX**	EPA 8260B	382740		
30348539005	**CO39-PZM007**	EPA 8260B	382740		
30348539006	**CO39-PZM042**	EPA 8260B	382740		
30348539007	**CO36-PZM008**	EPA 8260B	382740		
30348539008	**CO36-PZM043**	EPA 8260B	382740		
30348539009	**CO40-PZM008**	EPA 8260B	382740		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accura

WO# : 30348539

30348539

Section A — Required Client Information:

Company:	EnviroAnalytics Group
Address:	1600 Sparrows Point Blvd, Suite B2
	Sparrows Point, MD 21219
Email To:	jcalenda@enviroanalyticsgroup.com
Phone:	314-620-3056
Fax:	
Requested Due Date/TAT:	5 Day

Section B — Required Project Information:

Report To:	James Calenda
Copy To:	Stewart Kabis
Purchase Order No.:	EAG-SPT-6989
Project Name:	COA IM GW Sampling
Project Number:	

Section C — Invoice Information:

Attention:	Laura Sargent
Company Name:	EnviroAnalytics Group
Address:	1650 Des Peres Road, Suite 303 St. Louis, MO 63131
Pace Quote Reference:	
Pace Project Manager:	Samantha Bayura
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MD

Section D — Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	VOC + NAPH by 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Trip Blank	OT				2/5/2020			2				2						X		001
2	C093-PZM		G				0940		3				3						X		002
3	C018-PZM006						1026		3				3						X		003
4	C0101-PZMxxx						1035		3				3						X		004
5	C039-PZM007						1141		3				3						X		005
6	C039-PZM042						1211		3				3						X		006
7	C036-PZM008						1331		3				3						X		007
8	C036-PZM043						1400		3				3						X		008
9	C040-PZM008						1500		3				3						X		009
10																					
11																					
12									26												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature] AVIR	2/5/20	1520	CLM/B/PACE	2/5/20	1520				
	CLM/B/PACE	2/5/20	18:25	RDS Pace	2-5-20	1830	1.2/1.6	Y		
	RDS Pace	2-5-20	2130	Marvin J Clay	2-5-20	2130	↓	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Leandra M Glumac

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 02/05/2020

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Enviro Analytics Group Project # #30348539

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Label MLC
LIMS Login MLC

Tracking #: N/A

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Thermometer Used 10 Type of Ice: Wet Blue None

Cooler Temperature Observed Temp 12/16 °C Correction Factor: 0 °C Final Temp: 12/16 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# N/A	Date and Initials of person examining contents: MLC 2/6/20
Chain of Custody Present:	✓			1.	
Chain of Custody Filled Out:	✓			2.	
Chain of Custody Relinquished:	✓			3.	
Sampler Name & Signature on COC:	✓			4.	
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.	
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):		✓		7.	
Rush Turn Around Time Requested:	✓			8.	
Sufficient Volume:	✓			9.	
Correct Containers Used: -Pace Containers Used:	✓ ✓			10.	
Containers Intact:	✓			11.	
Orthophosphate field filtered			✓	12.	
Hex Cr Aqueous sample field filtered			✓	13.	
Organic Samples checked for dechlorination:			✓	14.	
Filtered volume received for Dissolved tests			✓	15.	
All containers have been checked for preservation. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix	✓			16.	
All containers meet method preservation requirements.	✓			Initial when completed MLC	Date/time of preservation
				Lot # of added preservative	
Headspace in VOA Vials (>6mm):		✓		17.	
Trip Blank Present:	✓			18.	
Trip Blank Custody Seals Present	✓				
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed:	Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

February 13, 2020

Mr. James Calenda
EnviroAnalytics Group, LLC
1600 Sparrows Point Blvd
Suite B2
Sparrows Point, MD 21219

RE: Project: COA IM GW Samplng
Pace Project No.: 30348826

Dear Mr. Calenda:
Enclosed are the analytical results for sample(s) received by the laboratory on February 06, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

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CERTIFICATIONS

Project: COA IM GW Samplng
Pace Project No.: 30348826

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: COA IM GW Samplng
Pace Project No.: 30348826

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30348826001	**Trip Blank**	Water	02/06/20 00:01	02/06/20 22:30
30348826002	**CO27-PZM012**	Water	02/06/20 09:33	02/06/20 22:30
30348826003	**CO27-PZM038**	Water	02/06/20 10:05	02/06/20 22:30
30348826004	**CO38-PZM006**	Water	02/06/20 10:55	02/06/20 22:30
30348826005	**CO38-PZM043**	Water	02/06/20 11:25	02/06/20 22:30
30348826006	**CO56-PZP001**	Water	02/06/20 12:30	02/06/20 22:30
30348826007	**CO23-PZM008**	Water	02/06/20 13:45	02/06/20 22:30
30348826008	**CO24-PZM007**	Water	02/06/20 14:35	02/06/20 22:30

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SAMPLE ANALYTE COUNT

Project: COA IM GW Samplng
Pace Project No.: 30348826

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30348826001	**Trip Blank**	EPA 8260B	KAC	53	PASI-PA
30348826002	**CO27-PZM012**	EPA 8260B	KAC	53	PASI-PA
30348826003	**CO27-PZM038**	EPA 8260B	KAC	53	PASI-PA
30348826004	**CO38-PZM006**	EPA 8260B	KAC	53	PASI-PA
30348826005	**CO38-PZM043**	EPA 8260B	KAC	53	PASI-PA
30348826006	**CO56-PZP001**	EPA 8260B	KAC	53	PASI-PA
30348826007	**CO23-PZM008**	EPA 8260B	KAC	53	PASI-PA
30348826008	**CO24-PZM007**	EPA 8260B	KAC	53	PASI-PA

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ANALYTICAL RESULTS

Project: COA IM GW Samplng
Pace Project No.: 30348826

Sample: Trip Blank **Lab ID: 30348826001** Collected: 02/06/20 00:01 Received: 02/06/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/11/20 14:01	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/11/20 14:01	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/11/20 14:01	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/11/20 14:01	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/11/20 14:01	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/11/20 14:01	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/11/20 14:01	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/11/20 14:01	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/11/20 14:01	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/11/20 14:01	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/11/20 14:01	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/11/20 14:01	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/11/20 14:01	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/11/20 14:01	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/11/20 14:01	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/11/20 14:01	108-10-1	
Acetone	**8.6J**	ug/L	10.0	5.6	1		02/11/20 14:01	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/11/20 14:01	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		02/11/20 14:01	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/11/20 14:01	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/11/20 14:01	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/11/20 14:01	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/11/20 14:01	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/11/20 14:01	75-15-0	L1
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/11/20 14:01	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/11/20 14:01	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/11/20 14:01	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/11/20 14:01	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/11/20 14:01	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/11/20 14:01	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/11/20 14:01	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		02/11/20 14:01	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/11/20 14:01	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/11/20 14:01	1634-04-4	
Methylene Chloride	**2.1**	ug/L	1.0	0.64	1		02/11/20 14:01	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		02/11/20 14:01	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		02/11/20 14:01	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/11/20 14:01	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		02/11/20 14:01	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/11/20 14:01	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/11/20 14:01	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/11/20 14:01	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/11/20 14:01	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		02/11/20 14:01	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/11/20 14:01	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/11/20 14:01	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Samplng
Pace Project No.: 30348826

Sample: Trip Blank **Lab ID: 30348826001** Collected: 02/06/20 00:01 Received: 02/06/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/11/20 14:01	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/11/20 14:01	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/11/20 14:01	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		02/11/20 14:01	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%.	70-130		1		02/11/20 14:01	17060-07-0	
Toluene-d8 (S)	98	%.	70-130		1		02/11/20 14:01	2037-26-5	
Dibromofluoromethane (S)	96	%.	70-130		1		02/11/20 14:01	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Samplng
Pace Project No.: 30348826

Sample: CO27-PZM012 **Lab ID: 30348826002** Collected: 02/06/20 09:33 Received: 02/06/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/11/20 16:55	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/11/20 16:55	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/11/20 16:55	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/11/20 16:55	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/11/20 16:55	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/11/20 16:55	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/11/20 16:55	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/11/20 16:55	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/11/20 16:55	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/11/20 16:55	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/11/20 16:55	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 16:55	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/11/20 16:55	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/11/20 16:55	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/11/20 16:55	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/11/20 16:55	108-10-1	
Acetone	**36.4J**	ug/L	50.0	28.0	5		02/11/20 16:55	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/11/20 16:55	107-13-1	
Benzene	**11900**	ug/L	200	67.6	200		02/11/20 16:18	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/11/20 16:55	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/11/20 16:55	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/11/20 16:55	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/11/20 16:55	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/11/20 16:55	75-15-0	L1
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/11/20 16:55	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/11/20 16:55	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/11/20 16:55	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/11/20 16:55	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/11/20 16:55	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/11/20 16:55	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/11/20 16:55	74-95-3	
Ethylbenzene	**132**	ug/L	5.0	2.0	5		02/11/20 16:55	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/11/20 16:55	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/11/20 16:55	1634-04-4	
Methylene Chloride	**4.0J**	ug/L	5.0	3.2	5		02/11/20 16:55	75-09-2	
Naphthalene	**1240**	ug/L	10.0	4.1	5		02/11/20 16:55	91-20-3	
Styrene	**136**	ug/L	5.0	1.6	5		02/11/20 16:55	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/11/20 16:55	127-18-4	
Toluene	**3750**	ug/L	200	63.4	200		02/11/20 16:18	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/11/20 16:55	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/11/20 16:55	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/11/20 16:55	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 16:55	75-01-4	
Xylene (Total)	**1140**	ug/L	15.0	6.8	5		02/11/20 16:55	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/11/20 16:55	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 16:55	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Samplng
Pace Project No.: 30348826

Sample: CO27-PZM012 **Lab ID: 30348826002** Collected: 02/06/20 09:33 Received: 02/06/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 16:55	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/11/20 16:55	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/11/20 16:55	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	70-130		5		02/11/20 16:55	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		5		02/11/20 16:55	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		5		02/11/20 16:55	2037-26-5	
Dibromofluoromethane (S)	92	%.	70-130		5		02/11/20 16:55	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Samplng
Pace Project No.: 30348826

Sample: CO27-PZM038 **Lab ID: 30348826003** Collected: 02/06/20 10:05 Received: 02/06/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/11/20 17:20	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/11/20 17:20	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/11/20 17:20	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/11/20 17:20	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/11/20 17:20	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/11/20 17:20	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/11/20 17:20	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/11/20 17:20	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/11/20 17:20	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/11/20 17:20	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/11/20 17:20	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 17:20	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/11/20 17:20	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/11/20 17:20	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/11/20 17:20	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/11/20 17:20	108-10-1	
Acetone	**41.2J**	ug/L	50.0	28.0	5		02/11/20 17:20	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/11/20 17:20	107-13-1	
Benzene	**31000**	ug/L	500	169	500		02/11/20 19:13	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/11/20 17:20	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/11/20 17:20	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/11/20 17:20	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/11/20 17:20	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/11/20 17:20	75-15-0	L1
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/11/20 17:20	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/11/20 17:20	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/11/20 17:20	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/11/20 17:20	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/11/20 17:20	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/11/20 17:20	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/11/20 17:20	74-95-3	
Ethylbenzene	**273**	ug/L	5.0	2.0	5		02/11/20 17:20	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/11/20 17:20	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/11/20 17:20	1634-04-4	
Methylene Chloride	**4.5J**	ug/L	5.0	3.2	5		02/11/20 17:20	75-09-2	
Naphthalene	**1580**	ug/L	10.0	4.1	5		02/11/20 17:20	91-20-3	
Styrene	**294**	ug/L	5.0	1.6	5		02/11/20 17:20	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/11/20 17:20	127-18-4	
Toluene	**4910**	ug/L	500	158	500		02/11/20 19:13	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/11/20 17:20	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/11/20 17:20	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/11/20 17:20	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 17:20	75-01-4	
Xylene (Total)	**1970**	ug/L	15.0	6.8	5		02/11/20 17:20	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/11/20 17:20	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 17:20	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Samplng
Pace Project No.: 30348826

Sample: CO27-PZM038 **Lab ID: 30348826003** Collected: 02/06/20 10:05 Received: 02/06/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 17:20	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/11/20 17:20	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/11/20 17:20	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		5		02/11/20 17:20	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		5		02/11/20 17:20	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		5		02/11/20 17:20	2037-26-5	
Dibromofluoromethane (S)	94	%.	70-130		5		02/11/20 17:20	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Samplng
Pace Project No.: 30348826

Sample: CO38-PZM006 **Lab ID: 30348826004** Collected: 02/06/20 10:55 Received: 02/06/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/11/20 15:40	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/11/20 15:40	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/11/20 15:40	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/11/20 15:40	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/11/20 15:40	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/11/20 15:40	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/11/20 15:40	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/11/20 15:40	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/11/20 15:40	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/11/20 15:40	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/11/20 15:40	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 15:40	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/11/20 15:40	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/11/20 15:40	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/11/20 15:40	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/11/20 15:40	108-10-1	
Acetone	**42.3J**	ug/L	50.0	28.0	5		02/11/20 15:40	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/11/20 15:40	107-13-1	
Benzene	**4490**	ug/L	20.0	6.8	20		02/11/20 17:58	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/11/20 15:40	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/11/20 15:40	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/11/20 15:40	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/11/20 15:40	74-83-9	
Carbon disulfide	**2.5J**	ug/L	5.0	1.6	5		02/11/20 15:40	75-15-0	L1
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/11/20 15:40	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/11/20 15:40	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/11/20 15:40	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/11/20 15:40	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/11/20 15:40	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/11/20 15:40	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/11/20 15:40	74-95-3	
Ethylbenzene	**64.0**	ug/L	5.0	2.0	5		02/11/20 15:40	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/11/20 15:40	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/11/20 15:40	1634-04-4	
Methylene Chloride	**4.1J**	ug/L	5.0	3.2	5		02/11/20 15:40	75-09-2	
Naphthalene	**2110**	ug/L	40.0	16.4	20		02/11/20 17:58	91-20-3	
Styrene	**46.9**	ug/L	5.0	1.6	5		02/11/20 15:40	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/11/20 15:40	127-18-4	
Toluene	**1020**	ug/L	5.0	1.6	5		02/11/20 15:40	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/11/20 15:40	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/11/20 15:40	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/11/20 15:40	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 15:40	75-01-4	
Xylene (Total)	**507**	ug/L	15.0	6.8	5		02/11/20 15:40	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/11/20 15:40	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 15:40	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Samplng
Pace Project No.: 30348826

Sample: CO38-PZM006 **Lab ID: 30348826004** Collected: 02/06/20 10:55 Received: 02/06/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 15:40	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/11/20 15:40	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/11/20 15:40	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	70-130		5		02/11/20 15:40	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		5		02/11/20 15:40	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		5		02/11/20 15:40	2037-26-5	
Dibromofluoromethane (S)	96	%.	70-130		5		02/11/20 15:40	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Samplng
Pace Project No.: 30348826

Sample: CO38-PZM043 **Lab ID: 30348826005** Collected: 02/06/20 11:25 Received: 02/06/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/11/20 14:26	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/11/20 14:26	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/11/20 14:26	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/11/20 14:26	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/11/20 14:26	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/11/20 14:26	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/11/20 14:26	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/11/20 14:26	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/11/20 14:26	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/11/20 14:26	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/11/20 14:26	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/11/20 14:26	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/11/20 14:26	106-46-7	
2-Butanone (MEK)	**3.6J**	ug/L	10.0	1.5	1		02/11/20 14:26	78-93-3	
2-Hexanone	**2.8J**	ug/L	10.0	0.58	1		02/11/20 14:26	591-78-6	MH
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/11/20 14:26	108-10-1	
Acetone	**9.1J**	ug/L	10.0	5.6	1		02/11/20 14:26	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/11/20 14:26	107-13-1	
Benzene	**1.5**	ug/L	1.0	0.34	1		02/11/20 14:26	71-43-2	C8,P2
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/11/20 14:26	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/11/20 14:26	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/11/20 14:26	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/11/20 14:26	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/11/20 14:26	75-15-0	L1,MH
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/11/20 14:26	56-23-5	
Chlorobenzene	**0.40J**	ug/L	1.0	0.26	1		02/11/20 14:26	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/11/20 14:26	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/11/20 14:26	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/11/20 14:26	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/11/20 14:26	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/11/20 14:26	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		02/11/20 14:26	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/11/20 14:26	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/11/20 14:26	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/11/20 14:26	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		02/11/20 14:26	91-20-3	MH,R1
Styrene	**1.0 U**	ug/L	1.0	0.33	1		02/11/20 14:26	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/11/20 14:26	127-18-4	
Toluene	**0.53J**	ug/L	1.0	0.32	1		02/11/20 14:26	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/11/20 14:26	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/11/20 14:26	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/11/20 14:26	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/11/20 14:26	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		02/11/20 14:26	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/11/20 14:26	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/11/20 14:26	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Samplng
Pace Project No.: 30348826

Sample: CO38-PZM043 **Lab ID: 30348826005** Collected: 02/06/20 11:25 Received: 02/06/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/11/20 14:26	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/11/20 14:26	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/11/20 14:26	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		1		02/11/20 14:26	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		1		02/11/20 14:26	17060-07-0	
Toluene-d8 (S)	98	%.	70-130		1		02/11/20 14:26	2037-26-5	
Dibromofluoromethane (S)	95	%.	70-130		1		02/11/20 14:26	1868-53-7	

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Samplng
Pace Project No.: 30348826

Sample: CO56-PZP001 **Lab ID: 30348826006** Collected: 02/06/20 12:30 Received: 02/06/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/11/20 16:05	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/11/20 16:05	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/11/20 16:05	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/11/20 16:05	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/11/20 16:05	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/11/20 16:05	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/11/20 16:05	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/11/20 16:05	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/11/20 16:05	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/11/20 16:05	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/11/20 16:05	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 16:05	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/11/20 16:05	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/11/20 16:05	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/11/20 16:05	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/11/20 16:05	108-10-1	
Acetone	**42.8J**	ug/L	50.0	28.0	5		02/11/20 16:05	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/11/20 16:05	107-13-1	
Benzene	**266**	ug/L	5.0	1.7	5		02/11/20 16:05	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/11/20 16:05	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/11/20 16:05	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/11/20 16:05	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/11/20 16:05	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/11/20 16:05	75-15-0	L1
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/11/20 16:05	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/11/20 16:05	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/11/20 16:05	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/11/20 16:05	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/11/20 16:05	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/11/20 16:05	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/11/20 16:05	74-95-3	
Ethylbenzene	**8.6**	ug/L	5.0	2.0	5		02/11/20 16:05	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/11/20 16:05	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/11/20 16:05	1634-04-4	
Methylene Chloride	**4.4J**	ug/L	5.0	3.2	5		02/11/20 16:05	75-09-2	
Naphthalene	**3750**	ug/L	200	81.9	100		02/11/20 17:33	91-20-3	
Styrene	**57.2**	ug/L	5.0	1.6	5		02/11/20 16:05	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/11/20 16:05	127-18-4	
Toluene	**89.0**	ug/L	5.0	1.6	5		02/11/20 16:05	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/11/20 16:05	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/11/20 16:05	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/11/20 16:05	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 16:05	75-01-4	
Xylene (Total)	**197**	ug/L	15.0	6.8	5		02/11/20 16:05	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/11/20 16:05	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 16:05	10061-01-5	

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Greensburg, PA 15601
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ANALYTICAL RESULTS

Project: COA IM GW Samplng
Pace Project No.: 30348826

Sample: CO56-PZP001 **Lab ID: 30348826006** Collected: 02/06/20 12:30 Received: 02/06/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 16:05	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/11/20 16:05	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/11/20 16:05	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		5		02/11/20 16:05	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%.	70-130		5		02/11/20 16:05	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		5		02/11/20 16:05	2037-26-5	
Dibromofluoromethane (S)	94	%.	70-130		5		02/11/20 16:05	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Samplng
Pace Project No.: 30348826

Sample: CO23-PZM008 **Lab ID: 30348826007** Collected: 02/06/20 13:45 Received: 02/06/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/11/20 16:30	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/11/20 16:30	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/11/20 16:30	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/11/20 16:30	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/11/20 16:30	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/11/20 16:30	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/11/20 16:30	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/11/20 16:30	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/11/20 16:30	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/11/20 16:30	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/11/20 16:30	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 16:30	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/11/20 16:30	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/11/20 16:30	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/11/20 16:30	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/11/20 16:30	108-10-1	
Acetone	**43.4J**	ug/L	50.0	28.0	5		02/11/20 16:30	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/11/20 16:30	107-13-1	
Benzene	**666**	ug/L	5.0	1.7	5		02/11/20 16:30	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/11/20 16:30	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/11/20 16:30	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/11/20 16:30	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/11/20 16:30	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/11/20 16:30	75-15-0	L1
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/11/20 16:30	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/11/20 16:30	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/11/20 16:30	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/11/20 16:30	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/11/20 16:30	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/11/20 16:30	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/11/20 16:30	74-95-3	
Ethylbenzene	**28.6**	ug/L	5.0	2.0	5		02/11/20 16:30	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/11/20 16:30	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/11/20 16:30	1634-04-4	
Methylene Chloride	**4.6J**	ug/L	5.0	3.2	5		02/11/20 16:30	75-09-2	
Naphthalene	**5950**	ug/L	200	81.9	100		02/11/20 15:53	91-20-3	
Styrene	**27.6**	ug/L	5.0	1.6	5		02/11/20 16:30	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/11/20 16:30	127-18-4	
Toluene	**344**	ug/L	5.0	1.6	5		02/11/20 16:30	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/11/20 16:30	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/11/20 16:30	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/11/20 16:30	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 16:30	75-01-4	
Xylene (Total)	**465**	ug/L	15.0	6.8	5		02/11/20 16:30	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/11/20 16:30	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 16:30	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Samplng
Pace Project No.: 30348826

Sample: CO23-PZM008 **Lab ID: 30348826007** Collected: 02/06/20 13:45 Received: 02/06/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/11/20 16:30	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/11/20 16:30	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/11/20 16:30	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		5		02/11/20 16:30	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%.	70-130		5		02/11/20 16:30	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		5		02/11/20 16:30	2037-26-5	
Dibromofluoromethane (S)	96	%.	70-130		5		02/11/20 16:30	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Samplng
Pace Project No.: 30348826

Sample: CO24-PZM007 **Lab ID: 30348826008** Collected: 02/06/20 14:35 Received: 02/06/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/11/20 15:15	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/11/20 15:15	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/11/20 15:15	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/11/20 15:15	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/11/20 15:15	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/11/20 15:15	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/11/20 15:15	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/11/20 15:15	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/11/20 15:15	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/11/20 15:15	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/11/20 15:15	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/11/20 15:15	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/11/20 15:15	106-46-7	
2-Butanone (MEK)	**3.9J**	ug/L	10.0	1.5	1		02/11/20 15:15	78-93-3	
2-Hexanone	**1.7J**	ug/L	10.0	0.58	1		02/11/20 15:15	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/11/20 15:15	108-10-1	
Acetone	**16.0**	ug/L	10.0	5.6	1		02/11/20 15:15	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/11/20 15:15	107-13-1	
Benzene	**3.0**	ug/L	1.0	0.34	1		02/11/20 15:15	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/11/20 15:15	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/11/20 15:15	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/11/20 15:15	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/11/20 15:15	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/11/20 15:15	75-15-0	L1
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/11/20 15:15	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/11/20 15:15	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/11/20 15:15	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/11/20 15:15	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/11/20 15:15	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/11/20 15:15	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/11/20 15:15	74-95-3	
Ethylbenzene	**5.2**	ug/L	1.0	0.40	1		02/11/20 15:15	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/11/20 15:15	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/11/20 15:15	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/11/20 15:15	75-09-2	
Naphthalene	**3250**	ug/L	40.0	16.4	20		02/11/20 14:38	91-20-3	
Styrene	**0.55J**	ug/L	1.0	0.33	1		02/11/20 15:15	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/11/20 15:15	127-18-4	
Toluene	**1.9**	ug/L	1.0	0.32	1		02/11/20 15:15	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/11/20 15:15	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/11/20 15:15	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/11/20 15:15	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/11/20 15:15	75-01-4	
Xylene (Total)	**7.3**	ug/L	3.0	1.4	1		02/11/20 15:15	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/11/20 15:15	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/11/20 15:15	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Samplng
Pace Project No.: 30348826

Sample: CO24-PZM007 **Lab ID: 30348826008** Collected: 02/06/20 14:35 Received: 02/06/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/11/20 15:15	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/11/20 15:15	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/11/20 15:15	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		1		02/11/20 15:15	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		1		02/11/20 15:15	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		1		02/11/20 15:15	2037-26-5	
Dibromofluoromethane (S)	97	%.	70-130		1		02/11/20 15:15	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Samplng
Pace Project No.: 30348826

QC Batch: 383142 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Associated Lab Samples: 30348826001, 30348826002, 30348826003, 30348826004, 30348826005, 30348826006, 30348826007, 30348826008

METHOD BLANK: 1856901 Matrix: Water
Associated Lab Samples: 30348826001, 30348826002, 30348826003, 30348826004, 30348826005, 30348826006, 30348826007, 30348826008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	02/11/20 12:46	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	02/11/20 12:46	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	02/11/20 12:46	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	02/11/20 12:46	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	02/11/20 12:46	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	02/11/20 12:46	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	02/11/20 12:46	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	02/11/20 12:46	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	02/11/20 12:46	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	02/11/20 12:46	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	02/11/20 12:46	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	02/11/20 12:46	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	02/11/20 12:46	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	02/11/20 12:46	
2-Hexanone	ug/L	10.0 U	10.0	0.58	02/11/20 12:46	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	02/11/20 12:46	
Acetone	ug/L	10.0 U	10.0	5.6	02/11/20 12:46	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	02/11/20 12:46	
Benzene	ug/L	1.0 U	1.0	0.34	02/11/20 12:46	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	02/11/20 12:46	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	02/11/20 12:46	
Bromoform	ug/L	1.0 U	1.0	0.56	02/11/20 12:46	
Bromomethane	ug/L	1.0 U	1.0	0.73	02/11/20 12:46	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	02/11/20 12:46	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	02/11/20 12:46	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	02/11/20 12:46	
Chloroethane	ug/L	1.0 U	1.0	0.64	02/11/20 12:46	
Chloroform	ug/L	1.0 U	1.0	0.39	02/11/20 12:46	
Chloromethane	ug/L	1.0 U	1.0	0.40	02/11/20 12:46	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	02/11/20 12:46	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	02/11/20 12:46	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	02/11/20 12:46	
Dibromomethane	ug/L	1.0 U	1.0	0.34	02/11/20 12:46	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	02/11/20 12:46	
Iodomethane	ug/L	50.0 U	50.0	0.52	02/11/20 12:46	
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	02/11/20 12:46	
Methylene Chloride	ug/L	0.76J	1.0	0.64	02/11/20 12:46	
Naphthalene	ug/L	2.0 U	2.0	0.82	02/11/20 12:46	
Styrene	ug/L	1.0 U	1.0	0.33	02/11/20 12:46	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	02/11/20 12:46	

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QUALITY CONTROL DATA

Project: COA IM GW Samplng
Pace Project No.: 30348826

METHOD BLANK: 1856901 Matrix: Water
Associated Lab Samples: 30348826001, 30348826002, 30348826003, 30348826004, 30348826005, 30348826006, 30348826007, 30348826008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	02/11/20 12:46	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	02/11/20 12:46	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	02/11/20 12:46	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	02/11/20 12:46	
Trichloroethene	ug/L	1.0 U	1.0	0.29	02/11/20 12:46	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	02/11/20 12:46	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	02/11/20 12:46	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	02/11/20 12:46	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	02/11/20 12:46	
1,2-Dichloroethane-d4 (S)	%.	104	70-130		02/11/20 12:46	
4-Bromofluorobenzene (S)	%.	103	70-130		02/11/20 12:46	
Dibromofluoromethane (S)	%.	97	70-130		02/11/20 12:46	
Toluene-d8 (S)	%.	97	70-130		02/11/20 12:46	

LABORATORY CONTROL SAMPLE: 1856902

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.2	96	70-130	
1,1,1-Trichloroethane	ug/L	20	21.8	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.1	111	70-130	
1,1,2-Trichloroethane	ug/L	20	20.9	105	70-130	
1,1-Dichloroethane	ug/L	20	21.5	108	70-130	
1,1-Dichloroethene	ug/L	20	19.1	96	70-130	
1,2,3-Trichloropropane	ug/L	20	20.2	101	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	21.1	106	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	20.8	104	70-130	
1,2-Dichlorobenzene	ug/L	20	22.0	110	70-130	
1,2-Dichloroethane	ug/L	20	21.3	107	70-130	
1,2-Dichloropropane	ug/L	20	22.6	113	70-130	
1,4-Dichlorobenzene	ug/L	20	20.9	105	70-130	
2-Butanone (MEK)	ug/L	20	23.5	118	70-130	
2-Hexanone	ug/L	20	26.1	130	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	25.2	126	70-130	
Acetone	ug/L	20	27.4	137	67-173	
Acrylonitrile	ug/L	20	21.4	107	56-147	
Benzene	ug/L	20	22.8	114	70-130	
Bromochloromethane	ug/L	20	19.1	96	70-130	
Bromodichloromethane	ug/L	20	22.4	112	70-130	
Bromoform	ug/L	20	15.5	77	63-119	
Bromomethane	ug/L	20	14.3	71	24-159	
Carbon disulfide	ug/L	20	26.7	134	57-132	L1
Carbon tetrachloride	ug/L	20	19.5	97	70-130	
Chlorobenzene	ug/L	20	22.3	112	70-130	

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QUALITY CONTROL DATA

Project: COA IM GW Samplng
Pace Project No.: 30348826

LABORATORY CONTROL SAMPLE: 1856902

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	20	18.8	94	62-145	
Chloroform	ug/L	20	20.3	102	70-130	
Chloromethane	ug/L	20	18.2	91	66-140	
cis-1,2-Dichloroethene	ug/L	20	21.4	107	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.6	108	70-130	
Dibromochloromethane	ug/L	20	19.4	97	70-130	
Dibromomethane	ug/L	20	19.1	95	70-130	
Ethylbenzene	ug/L	20	22.4	112	70-130	
Iodomethane	ug/L	20	17.7J	89	10-175	
Methyl-tert-butyl ether	ug/L	20	21.7	108	70-130	
Methylene Chloride	ug/L	20	23.2	116	70-130	
Naphthalene	ug/L	20	26.9	134	55-160	
Styrene	ug/L	20	22.7	114	70-130	
Tetrachloroethene	ug/L	20	21.8	109	70-130	
Toluene	ug/L	20	22.6	113	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.5	107	70-130	
trans-1,3-Dichloropropene	ug/L	20	22.1	110	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	24.5	123	48-131	
Trichloroethene	ug/L	20	21.1	106	70-130	
Trichlorofluoromethane	ug/L	20	19.9	100	70-130	
Vinyl acetate	ug/L	20	19.7	98	33-128	
Vinyl chloride	ug/L	20	19.1	95	70-130	
Xylene (Total)	ug/L	60	66.9	112	70-130	
1,2-Dichloroethane-d4 (S)	%.			99	70-130	
4-Bromofluorobenzene (S)	%.			101	70-130	
Dibromofluoromethane (S)	%.			98	70-130	
Toluene-d8 (S)	%.			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1856903 1856904

Parameter	Units	30348826005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	20	20	13.7	16.4	68	82	59-117	18	30	
1,1,1-Trichloroethane	ug/L	1.0 U	20	20	17.8	20.5	89	102	55-146	14	30	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	20	20	17.7	20.4	88	102	55-118	14	30	
1,1,2-Trichloroethane	ug/L	1.0 U	20	20	17.0	19.4	85	97	61-122	13	30	
1,1-Dichloroethane	ug/L	1.0 U	20	20	18.0	20.5	90	102	59-130	12	30	
1,1-Dichloroethene	ug/L	1.0 U	20	20	16.4	18.9	82	94	52-119	14	30	
1,2,3-Trichloropropane	ug/L	1.0 U	20	20	17.0	19.2	85	96	59-117	12	30	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	20	20	15.2	17.9	76	89	32-112	16	30	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	20	20	16.6	18.6	83	93	61-116	11	30	
1,2-Dichlorobenzene	ug/L	1.0 U	20	20	17.3	19.7	87	99	58-126	13	30	
1,2-Dichloroethane	ug/L	1.0 U	20	20	16.7	19.8	84	99	49-135	16	30	
1,2-Dichloropropane	ug/L	1.0 U	20	20	17.3	20.4	86	102	67-121	16	30	

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QUALITY CONTROL DATA

Project: COA IM GW Samplng
Pace Project No.: 30348826

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1856903 1856904

Parameter	Units	30348826005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dichlorobenzene	ug/L	1.0 U	20	20	16.9	19.8	84	99	60-121	16	30	
2-Butanone (MEK)	ug/L	3.6J	20	20	25.4	21.1	109	87	59-138	19	30	
2-Hexanone	ug/L	2.8J	20	20	28.5	24.2	128	107	66-123	17	30	MH
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	20	20	24.6	21.3	123	107	70-130	14	30	
Acetone	ug/L	9.1J	20	20	31.8	26.2	114	85	57-140	20	30	
Acrylonitrile	ug/L	4.0 U	20	20	22.1	19.1	111	96	47-134	14	30	
Benzene	ug/L	1.5	20	20	23.3	22.8	109	107	50-149	2	30	
Bromochloromethane	ug/L	1.0 U	20	20	16.0	18.2	80	91	63-120	13	30	
Bromodichloromethane	ug/L	1.0 U	20	20	15.8	18.7	79	94	46-131	17	30	
Bromoform	ug/L	1.0 U	20	20	9.8	12.0	49	60	30-119	20	30	
Bromomethane	ug/L	1.0 U	20	20	7.3	6.9	37	35	10-163	6	30	
Carbon disulfide	ug/L	1.0 U	20	20	24.2	22.1	121	110	41-116	9	30	MH
Carbon tetrachloride	ug/L	1.0 U	20	20	14.1	16.5	71	83	55-119	16	30	
Chlorobenzene	ug/L	0.40J	20	20	18.2	20.8	89	102	66-124	13	30	
Chloroethane	ug/L	1.0 U	20	20	20.3	15.5	101	78	45-162	27	30	
Chloroform	ug/L	1.0 U	20	20	16.5	18.9	83	94	56-123	13	30	
Chloromethane	ug/L	1.0 U	20	20	18.6	15.1	93	75	49-150	21	30	
cis-1,2-Dichloroethene	ug/L	1.0 U	20	20	17.2	19.7	86	99	63-116	14	30	
cis-1,3-Dichloropropene	ug/L	1.0 U	20	20	16.2	19.3	81	97	46-119	18	30	
Dibromochloromethane	ug/L	1.0 U	20	20	12.7	15.4	63	77	42-120	19	30	
Dibromomethane	ug/L	1.0 U	20	20	15.7	17.5	78	88	55-117	11	30	
Ethylbenzene	ug/L	1.0 U	20	20	18.7	21.5	94	108	63-135	14	30	
Iodomethane	ug/L	50.0 U	20	20	12.8J	12.8J	64	64	10-175		30	
Methyl-tert-butyl ether	ug/L	1.0 U	20	20	20.1	18.4	99	91	53-123	9	30	
Methylene Chloride	ug/L	1.0 U	20	20	18.9	20.9	94	105	57-132	10	30	
Naphthalene	ug/L	2.0 U	20	20	187	43.2	933	213	30-157	125	30	C8, MH,R1
Styrene	ug/L	1.0 U	20	20	18.0	20.8	90	104	58-130	14	30	
Tetrachloroethene	ug/L	1.0 U	20	20	17.9	20.3	90	101	61-132	12	30	
Toluene	ug/L	0.53J	20	20	19.6	21.4	95	104	59-139	9	30	
trans-1,2-Dichloroethene	ug/L	1.0 U	20	20	17.8	19.6	89	98	60-124	10	30	
trans-1,3-Dichloropropene	ug/L	1.0 U	20	20	16.5	19.2	82	96	48-121	15	30	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	20	17.7	15.8	89	79	10-111	11	30	
Trichloroethene	ug/L	1.0 U	20	20	17.1	19.4	86	97	63-128	13	30	
Trichlorofluoromethane	ug/L	1.0 U	20	20	21.9	17.9	109	90	70-152	20	30	
Vinyl acetate	ug/L	1.0 U	20	20	17.6	14.5	88	72	23-102	20	30	
Vinyl chloride	ug/L	1.0 U	20	20	20.4	16.9	102	84	67-141	19	30	
Xylene (Total)	ug/L	3.0 U	60	60	55.7	63.4	92	105	63-135	13	30	
1,2-Dichloroethane-d4 (S)	%.						103	101	70-130			
4-Bromofluorobenzene (S)	%.						102	100	70-130			
Dibromofluoromethane (S)	%.						96	99	70-130			
Toluene-d8 (S)	%.						101	101	70-130			

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QUALIFIERS

Project: COA IM GW Samplng
Pace Project No.: 30348826

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-PA	Pace Analytical Services - Greensburg

SAMPLE QUALIFIERS

Sample: 30348826002
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

Sample: 30348826003
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

Sample: 30348826004
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

Sample: 30348826006
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

Sample: 30348826007
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

ANALYTE QUALIFIERS

C8	Result may be biased high due to carryover from previously analyzed sample.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Samplng
Pace Project No.: 30348826

ANALYTE QUALIFIERS

P2	Re-extraction or re-analysis could not be performed due to insufficient sample amount.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Samplng
Pace Project No.: 30348826

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30348826001	**Trip Blank**	EPA 8260B	383142		
30348826002	**CO27-PZM012**	EPA 8260B	383142		
30348826003	**CO27-PZM038**	EPA 8260B	383142		
30348826004	**CO38-PZM006**	EPA 8260B	383142		
30348826005	**CO38-PZM043**	EPA 8260B	383142		
30348826006	**CO56-PZP001**	EPA 8260B	383142		
30348826007	**CO23-PZM008**	EPA 8260B	383142		
30348826008	**CO24-PZM007**	EPA 8260B	383142		

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Page: 1 of 1

A
Client Information:
EnviroAnalytics Group
1600 Sparrows Point Blvd, Suite B2
Sparrows Point, MD 21219
jcalenda@enviroanalyticsgroup.com
314-620-3056 Fax:
Due Date/TAT: 5 Day

Section B
Required Project Information:
Report To: James Calenda
Copy To: Stewart Kabis
Purchase Order No.: EAG-SPT-6989
Project Name: COA IM GW Sampling
Project Number: 20010210

Section C
Invoice Information:
Attention: Laura Sargent
Company Name: EnviroAnalytics Group
Address: 1650 Des Peres Road, Suite 303 St. Louis, MO 63131
Pace Quote Reference:
Pace Project Manager: Samantha Bayura
Pace Profile #:

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER
Site Location STATE: MD

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

WO#: 30348826
30348826

Requested Analysis Filtered (Y/N)

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	VOC + NAPH by 8260	Resi	Pace Project No./ Lab I.D.
Trip Blank	WT				2/6/20			2				2						X		001
C027-PZM012		G				0933		3				3						X		002
C027-PZM038						1005		3				3						X		003
C038-PZM006						1055		3				3						X		004
C038-PZM043						1125		3				3						X		005
C056-PZP001						1230		3				3						X		006
~~C026~~ C023-PZM008						1345		3				3						X		007
C024-PZM007						1435		3				3						X		008

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature]	2/6/20	1570	GMB / Pace	2/6/20	15:30				
	GMB / Pace	2/6/20	15:30	RDS Pace	2-6-20	1835		Y		
	RDS Pace	2-6-20	2230	Marrow L Clay	2-6-20	2230	22	Y	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Leandra M Glumac
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 02/06/2020

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: EnviroAnalytics Group Project # # 30348826

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Label MLC
LIMS Login MLC

Tracking #: N/A

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used 10 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 2.2 °C Correction Factor: 0 °C Final Temp: 2.2 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# N/A	Date and Initials of person examining contents: MLC 2/7/20
Chain of Custody Present:	✓			1.	
Chain of Custody Filled Out:	✓			2.	
Chain of Custody Relinquished:	✓			3.	
Sampler Name & Signature on COC:	✓			4.	
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.	
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):		✓		7.	
Rush Turn Around Time Requested:	✓			8.	
Sufficient Volume:	✓			9.	
Correct Containers Used: -Pace Containers Used:	✓ ✓			10.	
Containers Intact:	✓			11.	
Orthophosphate field filtered			✓	12.	
Hex Cr Aqueous sample field filtered			✓	13.	
Organic Samples checked for dechlorination:			✓	14.	
Filtered volume received for Dissolved tests			✓	15.	
All containers have been checked for preservation. exceptions: (VOA), coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix	✓			16.	
All containers meet method preservation requirements.	✓			Initial when completed MLC	Date/time of preservation
				Lot # of added preservative	
Headspace in VOA Vials (>6mm):		✓		17.	
Trip Blank Present:	✓			18.	
Trip Blank Custody Seals Present	✓				
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed:	Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

February 14, 2020

Mr. James Calenda
EnviroAnalytics Group, LLC
1600 Sparrows Point Blvd
Suite B2
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30349010

Dear Mr. Calenda:
Enclosed are the analytical results for sample(s) received by the laboratory on February 08, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30349010

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Florida: Cert E871149 SEKS WET
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30349010

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30349010001	**Trip Blank**	Water	02/07/20 00:01	02/08/20 10:30
30349010002	**CO60-PZP001**	Water	02/07/20 10:00	02/08/20 10:30
30349010003	**CO55-PZP001**	Water	02/07/20 10:50	02/08/20 10:30
30349010004	**CO59-PZP002**	Water	02/07/20 12:05	02/08/20 10:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30349010

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30349010001	**Trip Blank**	EPA 8260B	KAC	53	PASI-PA
30349010002	**CO60-PZP001**	EPA 8260B	KAC	53	PASI-PA
30349010003	**CO55-PZP001**	EPA 8260B	KAC	53	PASI-PA
30349010004	**CO59-PZP002**	EPA 8260B	KAC	53	PASI-PA

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30349010

Sample: Trip Blank **Lab ID: 30349010001** Collected: 02/07/20 00:01 Received: 02/08/20 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/12/20 14:49	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/12/20 14:49	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/12/20 14:49	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/12/20 14:49	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/12/20 14:49	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/12/20 14:49	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/12/20 14:49	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/12/20 14:49	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/12/20 14:49	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/12/20 14:49	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/12/20 14:49	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/12/20 14:49	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/12/20 14:49	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/12/20 14:49	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/12/20 14:49	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/12/20 14:49	108-10-1	
Acetone	**9.4J**	ug/L	10.0	5.6	1		02/12/20 14:49	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/12/20 14:49	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		02/12/20 14:49	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/12/20 14:49	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/12/20 14:49	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/12/20 14:49	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/12/20 14:49	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/12/20 14:49	75-15-0	L1
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/12/20 14:49	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/12/20 14:49	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/12/20 14:49	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/12/20 14:49	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/12/20 14:49	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/12/20 14:49	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/12/20 14:49	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		02/12/20 14:49	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/12/20 14:49	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/12/20 14:49	1634-04-4	
Methylene Chloride	**3.0**	ug/L	1.0	0.64	1		02/12/20 14:49	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		02/12/20 14:49	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		02/12/20 14:49	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/12/20 14:49	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		02/12/20 14:49	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/12/20 14:49	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/12/20 14:49	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/12/20 14:49	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/12/20 14:49	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		02/12/20 14:49	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/12/20 14:49	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/12/20 14:49	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30349010

Sample: Trip Blank **Lab ID: 30349010001** Collected: 02/07/20 00:01 Received: 02/08/20 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/12/20 14:49	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/12/20 14:49	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/12/20 14:49	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		02/12/20 14:49	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		1		02/12/20 14:49	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		1		02/12/20 14:49	2037-26-5	
Dibromofluoromethane (S)	98	%.	70-130		1		02/12/20 14:49	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30349010

Sample: CO60-PZP001 **Lab ID: 30349010002** Collected: 02/07/20 10:00 Received: 02/08/20 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/12/20 21:26	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/12/20 21:26	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/12/20 21:26	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/12/20 21:26	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/12/20 21:26	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/12/20 21:26	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/12/20 21:26	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/12/20 21:26	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/12/20 21:26	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/12/20 21:26	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/12/20 21:26	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/12/20 21:26	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/12/20 21:26	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/12/20 21:26	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/12/20 21:26	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/12/20 21:26	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		02/12/20 21:26	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/12/20 21:26	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		02/12/20 21:26	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/12/20 21:26	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/12/20 21:26	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/12/20 21:26	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/12/20 21:26	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/12/20 21:26	75-15-0	L1
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/12/20 21:26	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/12/20 21:26	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/12/20 21:26	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/12/20 21:26	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/12/20 21:26	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/12/20 21:26	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/12/20 21:26	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		02/12/20 21:26	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/12/20 21:26	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/12/20 21:26	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/12/20 21:26	75-09-2	
Naphthalene	**1.8J**	ug/L	2.0	0.82	1		02/12/20 21:26	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		02/12/20 21:26	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/12/20 21:26	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		02/12/20 21:26	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/12/20 21:26	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/12/20 21:26	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/12/20 21:26	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/12/20 21:26	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		02/12/20 21:26	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/12/20 21:26	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/12/20 21:26	10061-01-5	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30349010

Sample: CO60-PZP001 **Lab ID: 30349010002** Collected: 02/07/20 10:00 Received: 02/08/20 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/12/20 21:26	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/12/20 21:26	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/12/20 21:26	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		1		02/12/20 21:26	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%.	70-130		1		02/12/20 21:26	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		02/12/20 21:26	2037-26-5	
Dibromofluoromethane (S)	93	%.	70-130		1		02/12/20 21:26	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30349010

Sample: CO55-PZP001 **Lab ID: 30349010003** Collected: 02/07/20 10:50 Received: 02/08/20 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/12/20 22:15	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/12/20 22:15	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/12/20 22:15	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/12/20 22:15	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/12/20 22:15	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/12/20 22:15	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/12/20 22:15	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/12/20 22:15	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/12/20 22:15	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/12/20 22:15	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/12/20 22:15	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/12/20 22:15	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/12/20 22:15	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/12/20 22:15	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/12/20 22:15	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/12/20 22:15	108-10-1	
Acetone	**28.8J**	ug/L	50.0	28.0	5		02/12/20 22:15	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/12/20 22:15	107-13-1	
Benzene	**222**	ug/L	5.0	1.7	5		02/12/20 22:15	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/12/20 22:15	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/12/20 22:15	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/12/20 22:15	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/12/20 22:15	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/12/20 22:15	75-15-0	L1
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/12/20 22:15	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/12/20 22:15	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/12/20 22:15	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/12/20 22:15	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/12/20 22:15	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/12/20 22:15	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/12/20 22:15	74-95-3	
Ethylbenzene	**7.6**	ug/L	5.0	2.0	5		02/12/20 22:15	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/12/20 22:15	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/12/20 22:15	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		02/12/20 22:15	75-09-2	
Naphthalene	**1920**	ug/L	10.0	4.1	5		02/12/20 22:15	91-20-3	
Styrene	**30.8**	ug/L	5.0	1.6	5		02/12/20 22:15	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/12/20 22:15	127-18-4	
Toluene	**12.5**	ug/L	5.0	1.6	5		02/12/20 22:15	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/12/20 22:15	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/12/20 22:15	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/12/20 22:15	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/12/20 22:15	75-01-4	
Xylene (Total)	**158**	ug/L	15.0	6.8	5		02/12/20 22:15	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/12/20 22:15	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/12/20 22:15	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30349010

Sample: CO55-PZP001 **Lab ID: 30349010003** Collected: 02/07/20 10:50 Received: 02/08/20 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/12/20 22:15	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/12/20 22:15	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/12/20 22:15	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		5		02/12/20 22:15	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		5		02/12/20 22:15	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		5		02/12/20 22:15	2037-26-5	
Dibromofluoromethane (S)	92	%.	70-130		5		02/12/20 22:15	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30349010

Sample: CO59-PZP002 **Lab ID: 30349010004** Collected: 02/07/20 12:05 Received: 02/08/20 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/12/20 21:01	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/12/20 21:01	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/12/20 21:01	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/12/20 21:01	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/12/20 21:01	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/12/20 21:01	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/12/20 21:01	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/12/20 21:01	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/12/20 21:01	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/12/20 21:01	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/12/20 21:01	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/12/20 21:01	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/12/20 21:01	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/12/20 21:01	78-93-3	
2-Hexanone	**1.6J**	ug/L	10.0	0.58	1		02/12/20 21:01	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/12/20 21:01	108-10-1	
Acetone	**7.7J**	ug/L	10.0	5.6	1		02/12/20 21:01	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/12/20 21:01	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		02/12/20 21:01	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/12/20 21:01	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/12/20 21:01	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/12/20 21:01	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/12/20 21:01	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/12/20 21:01	75-15-0	L1,MH, R1
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/12/20 21:01	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/12/20 21:01	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/12/20 21:01	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/12/20 21:01	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/12/20 21:01	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/12/20 21:01	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/12/20 21:01	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		02/12/20 21:01	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/12/20 21:01	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/12/20 21:01	1634-04-4	R1
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/12/20 21:01	75-09-2	
Naphthalene	**2.2**	ug/L	2.0	0.82	1		02/12/20 21:01	91-20-3	R1
Styrene	**1.0 U**	ug/L	1.0	0.33	1		02/12/20 21:01	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/12/20 21:01	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		02/12/20 21:01	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/12/20 21:01	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/12/20 21:01	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/12/20 21:01	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/12/20 21:01	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		02/12/20 21:01	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/12/20 21:01	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30349010

Sample: CO59-PZP002 **Lab ID: 30349010004** Collected: 02/07/20 12:05 Received: 02/08/20 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/12/20 21:01	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/12/20 21:01	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/12/20 21:01	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/12/20 21:01	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		02/12/20 21:01	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%.	70-130		1		02/12/20 21:01	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		02/12/20 21:01	2037-26-5	
Dibromofluoromethane (S)	94	%.	70-130		1		02/12/20 21:01	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30349010

QC Batch: 383563 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Associated Lab Samples: 30349010001, 30349010002, 30349010003, 30349010004

METHOD BLANK: 1858659 Matrix: Water
Associated Lab Samples: 30349010001, 30349010002, 30349010003, 30349010004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	02/12/20 13:34	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	02/12/20 13:34	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	02/12/20 13:34	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	02/12/20 13:34	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	02/12/20 13:34	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	02/12/20 13:34	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	02/12/20 13:34	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	02/12/20 13:34	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	02/12/20 13:34	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	02/12/20 13:34	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	02/12/20 13:34	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	02/12/20 13:34	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	02/12/20 13:34	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	02/12/20 13:34	
2-Hexanone	ug/L	10.0 U	10.0	0.58	02/12/20 13:34	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	02/12/20 13:34	
Acetone	ug/L	10.0 U	10.0	5.6	02/12/20 13:34	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	02/12/20 13:34	
Benzene	ug/L	1.0 U	1.0	0.34	02/12/20 13:34	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	02/12/20 13:34	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	02/12/20 13:34	
Bromoform	ug/L	1.0 U	1.0	0.56	02/12/20 13:34	
Bromomethane	ug/L	1.0 U	1.0	0.73	02/12/20 13:34	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	02/12/20 13:34	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	02/12/20 13:34	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	02/12/20 13:34	
Chloroethane	ug/L	1.0 U	1.0	0.64	02/12/20 13:34	
Chloroform	ug/L	1.0 U	1.0	0.39	02/12/20 13:34	
Chloromethane	ug/L	1.0 U	1.0	0.40	02/12/20 13:34	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	02/12/20 13:34	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	02/12/20 13:34	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	02/12/20 13:34	
Dibromomethane	ug/L	1.0 U	1.0	0.34	02/12/20 13:34	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	02/12/20 13:34	
Iodomethane	ug/L	50.0 U	50.0	0.52	02/12/20 13:34	
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	02/12/20 13:34	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	02/12/20 13:34	
Naphthalene	ug/L	2.0 U	2.0	0.82	02/12/20 13:34	
Styrene	ug/L	1.0 U	1.0	0.33	02/12/20 13:34	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	02/12/20 13:34	
Toluene	ug/L	1.0 U	1.0	0.32	02/12/20 13:34	

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REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30349010

METHOD BLANK: 1858659 Matrix: Water
Associated Lab Samples: 30349010001, 30349010002, 30349010003, 30349010004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	02/12/20 13:34	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	02/12/20 13:34	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	02/12/20 13:34	
Trichloroethene	ug/L	1.0 U	1.0	0.29	02/12/20 13:34	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	02/12/20 13:34	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	02/12/20 13:34	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	02/12/20 13:34	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	02/12/20 13:34	
1,2-Dichloroethane-d4 (S)	%.	101	70-130		02/12/20 13:34	
4-Bromofluorobenzene (S)	%.	103	70-130		02/12/20 13:34	
Dibromofluoromethane (S)	%.	100	70-130		02/12/20 13:34	
Toluene-d8 (S)	%.	100	70-130		02/12/20 13:34	

LABORATORY CONTROL SAMPLE: 1858660

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.9	95	70-130	
1,1,1-Trichloroethane	ug/L	20	22.0	110	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.5	103	70-130	
1,1,2-Trichloroethane	ug/L	20	20.3	101	70-130	
1,1-Dichloroethane	ug/L	20	21.4	107	70-130	
1,1-Dichloroethene	ug/L	20	18.4	92	70-130	
1,2,3-Trichloropropane	ug/L	20	19.4	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	20.1	100	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	20.4	102	70-130	
1,2-Dichlorobenzene	ug/L	20	20.5	102	70-130	
1,2-Dichloroethane	ug/L	20	20.9	105	70-130	
1,2-Dichloropropane	ug/L	20	21.6	108	70-130	
1,4-Dichlorobenzene	ug/L	20	20.7	103	70-130	
2-Butanone (MEK)	ug/L	20	22.5	113	70-130	
2-Hexanone	ug/L	20	23.6	118	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	24.0	120	70-130	
Acetone	ug/L	20	23.5	118	67-173	
Acrylonitrile	ug/L	20	23.3	116	56-147	
Benzene	ug/L	20	22.0	110	70-130	
Bromochloromethane	ug/L	20	20.2	101	70-130	
Bromodichloromethane	ug/L	20	21.6	108	70-130	
Bromoform	ug/L	20	14.9	75	63-119	
Bromomethane	ug/L	20	13.4	67	24-159	
Carbon disulfide	ug/L	20	27.1	136	57-132	L1
Carbon tetrachloride	ug/L	20	19.3	96	70-130	
Chlorobenzene	ug/L	20	21.7	108	70-130	
Chloroethane	ug/L	20	19.1	96	62-145	
Chloroform	ug/L	20	19.3	96	70-130	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30349010

LABORATORY CONTROL SAMPLE: 1858660

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	20	18.3	91	66-140	
cis-1,2-Dichloroethene	ug/L	20	21.2	106	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.7	104	70-130	
Dibromochloromethane	ug/L	20	19.0	95	70-130	
Dibromomethane	ug/L	20	18.7	93	70-130	
Ethylbenzene	ug/L	20	21.9	110	70-130	
Iodomethane	ug/L	20	16.4J	82	10-175	
Methyl-tert-butyl ether	ug/L	20	21.8	109	70-130	
Methylene Chloride	ug/L	20	23.2	116	70-130	
Naphthalene	ug/L	20	26.2	131	55-160	
Styrene	ug/L	20	22.2	111	70-130	
Tetrachloroethene	ug/L	20	20.8	104	70-130	
Toluene	ug/L	20	21.9	109	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.0	100	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.5	107	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	21.4	107	48-131	
Trichloroethene	ug/L	20	20.9	105	70-130	
Trichlorofluoromethane	ug/L	20	21.0	105	70-130	
Vinyl acetate	ug/L	20	19.8	99	33-128	
Vinyl chloride	ug/L	20	19.1	95	70-130	
Xylene (Total)	ug/L	60	65.4	109	70-130	
1,2-Dichloroethane-d4 (S)	%.			97	70-130	
4-Bromofluorobenzene (S)	%.			96	70-130	
Dibromofluoromethane (S)	%.			96	70-130	
Toluene-d8 (S)	%.			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1859322 1859323

Parameter	Units	30349010004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	20	20	16.8	15.7	84	79	59-117	6	30	
1,1,1-Trichloroethane	ug/L	1.0 U	20	20	20.8	19.1	104	95	55-146	9	30	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	20	20	18.8	17.4	94	87	55-118	8	30	
1,1,2-Trichloroethane	ug/L	1.0 U	20	20	19.2	17.2	96	86	61-122	11	30	
1,1-Dichloroethane	ug/L	1.0 U	20	20	20.1	18.4	101	92	59-130	9	30	
1,1-Dichloroethene	ug/L	1.0 U	20	20	18.9	17.5	95	87	52-119	8	30	
1,2,3-Trichloropropane	ug/L	1.0 U	20	20	17.9	16.3	89	82	59-117	9	30	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	20	20	15.7	15.2	78	76	32-112	3	30	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	20	20	18.9	17.0	94	85	61-116	10	30	
1,2-Dichlorobenzene	ug/L	1.0 U	20	20	19.1	17.4	96	87	58-126	9	30	
1,2-Dichloroethane	ug/L	1.0 U	20	20	18.7	17.3	93	86	49-135	8	30	
1,2-Dichloropropane	ug/L	1.0 U	20	20	19.9	18.2	99	91	67-121	9	30	
1,4-Dichlorobenzene	ug/L	1.0 U	20	20	19.0	17.3	95	87	60-121	9	30	
2-Butanone (MEK)	ug/L	10.0 U	20	20	17.2	23.3	86	116	59-138	30	30	

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(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30349010

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1859322 1859323

Parameter	Units	30349010004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Hexanone	ug/L	1.6J	20	20	20.2	26.2	93	123	66-123	26	30	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	20	20	18.4	24.5	92	122	70-130	28	30	
Acetone	ug/L	7.7J	20	20	20.6	26.8	64	95	57-140	26	30	
Acrylonitrile	ug/L	4.0 U	20	20	16.7	21.8	83	109	47-134	27	30	
Benzene	ug/L	1.0 U	20	20	20.3	18.8	101	94	50-149	8	30	
Bromochloromethane	ug/L	1.0 U	20	20	18.5	16.9	93	85	63-120	9	30	
Bromodichloromethane	ug/L	1.0 U	20	20	18.8	17.8	94	89	46-131	6	30	
Bromoform	ug/L	1.0 U	20	20	13.5	13.0	67	65	30-119	4	30	
Bromomethane	ug/L	1.0 U	20	20	13.6	12.9	68	64	10-163	5	30	
Carbon disulfide	ug/L	1.0 U	20	20	19.3	26.5	96	132	41-116	31	30	MH,R1
Carbon tetrachloride	ug/L	1.0 U	20	20	17.7	16.6	88	83	55-119	6	30	
Chlorobenzene	ug/L	1.0 U	20	20	20.1	18.1	100	91	66-124	10	30	
Chloroethane	ug/L	1.0 U	20	20	17.4	16.0	87	80	45-162	8	30	
Chloroform	ug/L	1.0 U	20	20	19.3	17.3	97	86	56-123	11	30	
Chloromethane	ug/L	1.0 U	20	20	14.8	13.4	74	67	49-150	10	30	
cis-1,2-Dichloroethene	ug/L	1.0 U	20	20	18.8	17.5	94	87	63-116	7	30	
cis-1,3-Dichloropropene	ug/L	1.0 U	20	20	18.4	17.6	92	88	46-119	4	30	
Dibromochloromethane	ug/L	1.0 U	20	20	16.9	15.4	85	77	42-120	9	30	
Dibromomethane	ug/L	1.0 U	20	20	17.1	16.0	85	80	55-117	6	30	
Ethylbenzene	ug/L	1.0 U	20	20	20.3	18.5	101	92	63-135	9	30	
Iodomethane	ug/L	50.0 U	20	20	15.6J	22.6J	78	113	10-175		30	
Methyl-tert-butyl ether	ug/L	1.0 U	20	20	15.7	22.2	78	111	53-123	35	30	R1
Methylene Chloride	ug/L	1.0 U	20	20	19.4	18.4	97	92	57-132	5	30	
Naphthalene	ug/L	2.2	20	20	33.4	22.9	156	104	30-157	37	30	R1
Styrene	ug/L	1.0 U	20	20	19.8	18.4	99	92	58-130	7	30	
Tetrachloroethene	ug/L	1.0 U	20	20	20.3	18.1	101	91	61-132	11	30	
Toluene	ug/L	1.0 U	20	20	21.0	18.9	105	94	59-139	10	30	
trans-1,2-Dichloroethene	ug/L	1.0 U	20	20	20.1	17.9	100	89	60-124	12	30	
trans-1,3-Dichloropropene	ug/L	1.0 U	20	20	19.2	17.4	96	87	48-121	9	30	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	20	16.2	22.1	81	110	10-111	30	30	
Trichloroethene	ug/L	1.0 U	20	20	18.9	17.9	95	90	63-128	5	30	
Trichlorofluoromethane	ug/L	1.0 U	20	20	19.0	17.1	95	86	70-152	10	30	
Vinyl acetate	ug/L	1.0 U	20	20	16.1	15.5	80	78	23-102	3	30	
Vinyl chloride	ug/L	1.0 U	20	20	16.7	15.6	83	78	67-141	7	30	
Xylene (Total)	ug/L	3.0 U	60	60	61.6	55.6	103	93	63-135	10	30	
1,2-Dichloroethane-d4 (S)	%.						97	104	70-130			
4-Bromofluorobenzene (S)	%.						99	101	70-130			
Dibromofluoromethane (S)	%.						95	99	70-130			
Toluene-d8 (S)	%.						102	101	70-130			

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30349010

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-PA	Pace Analytical Services - Greensburg

SAMPLE QUALIFIERS

Sample: 30349010003

[1]	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

ANALYTE QUALIFIERS

L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30349010

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30349010001	**Trip Blank**	EPA 8260B	383563		
30349010002	**CO60-PZP001**	EPA 8260B	383563		
30349010003	**CO55-PZP001**	EPA 8260B	383563		
30349010004	**CO59-PZP002**	EPA 8260B	383563		

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Section A Client Information:	Section B Required Project Information:	Section C Invoice Information:	Page: 1 of 1
EnviroAnalytics Group	Report To: James Calenda	Attention: Laura Sargent	
1600 Sparrows Point Blvd, Suite B2	Copy To: Stewart Kabis	Company Name: EnviroAnalytics Group	REGULATORY AGENCY
Sparrows Point, MD 21219		Address: 1650 Des Peres Road, Suite 303 St. Louis, MO 63131	☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
jcalenda@enviroanalyticsgroup.com	Purchase Order No.: EAG-SPT-6989	Pace Quote Reference:	☐ UST ☐ RCRA ☐ OTHER
314-620-3056 Fax:	Project Name: COA IM GW Sampling	Pace Project Manager: Samantha Bayura	Site Location STATE: MD
d Due Date/TAT: 5 Day	Project Number:	Pace Profile #:	

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	VOC + NAPH by 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
Trip Blank	WT				2/7/20			2				2						X		001
C060-PZP001		G				1000		3				3						Y		002
C055-PZP001						1050		3				3						Y		003
C059-PZP002						1205		3				3						X		004

WO#: 30349010

30349010

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature] AKA	2/7/20	1430	David L Hillegan/Pace	02/07/20	1550				
	David L Hillegan/Pace	02/07/20	1835	RDS Pace	2-8-20	0645		Y		
	RDS Pace	2-8-20	1030	Nicole Bruno / Pace	2/8/20	1030	4.7	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Leandra M Glumac

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 02/07/2020

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: EnviroAnalytics Project # #_30349010

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Label NMR
LIMS Login NMR

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used 10 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 4.7 °C Correction Factor: 0 °C Final Temp: 4.7 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# NA / Date and Initials of person examining contents: NMR 2/3/20
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:	✓			8.
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓			10.
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: (VOA), coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix			✓	16.
All containers meet method preservation requirements.	✓			Initial when completed NMR / Date/time of preservation / Lot # of added preservative
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:	✓			18.
Trip Blank Custody Seals Present	✓			
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed: / Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

March 02, 2020

Mr. James Calenda
EnviroAnalytics Group, LLC
1600 Sparrows Point Blvd
Suite B2
Sparrows Point, MD 21219

RE: Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Dear Mr. Calenda:
Enclosed are the analytical results for sample(s) received by the laboratory on February 11, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

This project follows the April 5, 2016 revision 3 Quality Assurance Project Plan for Sparrows Point Terminal Site, Sparrows Point, MD prepared for EnviroAnalytics Group and is not for PA DEP compliance reporting.

Revision 1 - This report replaces the February 20, 2020 report. This project was revised on March 2, 2020 to correct flagging for PAH and VOC analysis. (Greensburg, PA)

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

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cc: Ms. Penny Gardner, Environmental Data Quality, Inc.
Ms. Shawne M. Rodgers, Environmental Data Quality, Inc.

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CERTIFICATIONS

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Florida: Cert E871149 SEKS WET
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30349543001	**Trip Blank**	Water	02/11/20 00:01	02/11/20 22:20
30349543003	**CO26-PZM032**	Water	02/11/20 10:10	02/11/20 22:20
30349543006	**CO26-PZM032 (dissolved)**	Water	02/11/20 10:10	02/11/20 22:20

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SAMPLE ANALYTE COUNT

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30349543001	**Trip Blank**	EPA 8260B	KAC	55	PASI-PA
30349543003	**CO26-PZM032**	EPA 6010C	KAS	18	PASI-PA
		EPA 6010C	KAS	18	PASI-PA
		EPA 7470A	KAS	1	PASI-PA
		EPA 7470A	KAS	1	PASI-PA
		EPA 8270D by SIM	AJC	20	PASI-PA
		EPA 8270D	EAC	62	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		EPA 7196A	EKM	1	PASI-PA
		EPA 9012B	EKM	1	PASI-PA
		ASTM D7237-10	EKM	1	PASI-PA
30349543006	**CO26-PZM032 (dissolved)**	EPA 7196A	PAS	1	PASI-PA

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **EPA 6010C**
Description: 6010C MET ICP
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

General Information:
1 sample was analyzed for EPA 6010C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3005A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 384105

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30349543003

MH: Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.

- MS (Lab ID: 1861343)
  - Silver
- MSD (Lab ID: 1861344)
  - Silver

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Batch Comments:

The PDS failed for Ag
- QC Batch: 384217

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **EPA 6010C**
Description: 6010C MET ICP
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

Analyte Comments:

QC Batch: 384105

5c: The PDS failed for Ag

- BLANK (Lab ID: 1861340)
  - Silver
  - Aluminum
  - Arsenic
  - Barium
  - Beryllium
  - Cadmium
  - Cobalt
  - Chromium
  - Copper
  - Iron
  - Manganese
  - Nickel
  - Lead
  - Antimony
  - Selenium
  - Thallium
  - Vanadium
  - Zinc
- CO26-PZM032 (Lab ID: 30349543003)
  - Silver
  - Aluminum
  - Arsenic
  - Barium
  - Beryllium
  - Cadmium
  - Cobalt
  - Chromium
  - Copper
  - Iron
  - Manganese
  - Nickel
  - Lead
  - Antimony
  - Selenium
  - Thallium
  - Vanadium
  - Zinc
- DUP (Lab ID: 1861342)
  - Silver
  - Aluminum
  - Arsenic
  - Barium

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **EPA 6010C**
Description: 6010C MET ICP
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

Analyte Comments:

QC Batch: 384105

5c: The PDS failed for Ag

- DUP (Lab ID: 1861342)
  - Beryllium
  - Cadmium
  - Cobalt
  - Chromium
  - Copper
  - Iron
  - Manganese
  - Nickel
  - Lead
  - Antimony
  - Selenium
  - Thallium
  - Vanadium
  - Zinc
- LCS (Lab ID: 1861341)
  - Silver
  - Aluminum
  - Arsenic
  - Barium
  - Beryllium
  - Cadmium
  - Cobalt
  - Chromium
  - Copper
  - Iron
  - Manganese
  - Nickel
  - Lead
  - Antimony
  - Selenium
  - Thallium
  - Vanadium
  - Zinc
- MS (Lab ID: 1861343)
  - Silver
  - Aluminum
  - Arsenic
  - Barium
  - Beryllium
  - Cadmium
  - Cobalt
  - Chromium

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **EPA 6010C**
Description: 6010C MET ICP
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

Analyte Comments:

QC Batch: 384105

5c: The PDS failed for Ag

- MS (Lab ID: 1861343)
  - Copper
  - Iron
  - Manganese
  - Nickel
  - Lead
  - Antimony
  - Selenium
  - Thallium
  - Vanadium
  - Zinc
- MSD (Lab ID: 1861344)
  - Silver
  - Aluminum
  - Arsenic
  - Barium
  - Beryllium
  - Cadmium
  - Cobalt
  - Chromium
  - Copper
  - Iron
  - Manganese
  - Nickel
  - Lead
  - Antimony
  - Selenium
  - Thallium
  - Vanadium
  - Zinc

7c: The PDS recovery was outside of the laboratory control limits. Result may be biased high

- CO26-PZM032 (Lab ID: 30349543003)
  - Silver

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **EPA 6010C**
Description: 6010C MET ICP,Dissolved
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

General Information:
1 sample was analyzed for EPA 6010C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3005A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 384104

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30349543003

MH: Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.

- MS (Lab ID: 1861338)
  - Silver, Dissolved

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Batch Comments:

The PDS failed for Cd and Ag

- QC Batch: 384216

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **EPA 6010C**
Description: 6010C MET ICP,Dissolved
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

Analyte Comments:

QC Batch: 384104

6c: The PDS failed for Cd and Ag

- BLANK (Lab ID: 1861335)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Arsenic, Dissolved
  - Barium, Dissolved
  - Beryllium, Dissolved
  - Cadmium, Dissolved
  - Cobalt, Dissolved
  - Chromium, Dissolved
  - Copper, Dissolved
  - Iron, Dissolved
  - Manganese, Dissolved
  - Nickel, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Selenium, Dissolved
  - Thallium, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved
- CO26-PZM032 (Lab ID: 30349543003)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Arsenic, Dissolved
  - Barium, Dissolved
  - Beryllium, Dissolved
  - Cadmium, Dissolved
  - Cobalt, Dissolved
  - Chromium, Dissolved
  - Copper, Dissolved
  - Iron, Dissolved
  - Manganese, Dissolved
  - Nickel, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Selenium, Dissolved
  - Thallium, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved
- DUP (Lab ID: 1861337)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Arsenic, Dissolved
  - Barium, Dissolved

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **EPA 6010C**
Description: 6010C MET ICP,Dissolved
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

Analyte Comments:

QC Batch: 384104

6c: The PDS failed for Cd and Ag

- DUP (Lab ID: 1861337)
  - Beryllium, Dissolved
  - Cadmium, Dissolved
  - Cobalt, Dissolved
  - Chromium, Dissolved
  - Copper, Dissolved
  - Iron, Dissolved
  - Manganese, Dissolved
  - Nickel, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Selenium, Dissolved
  - Thallium, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved
- LCS (Lab ID: 1861336)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Arsenic, Dissolved
  - Barium, Dissolved
  - Beryllium, Dissolved
  - Cadmium, Dissolved
  - Cobalt, Dissolved
  - Chromium, Dissolved
  - Copper, Dissolved
  - Iron, Dissolved
  - Manganese, Dissolved
  - Nickel, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Selenium, Dissolved
  - Thallium, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved
- MS (Lab ID: 1861338)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Arsenic, Dissolved
  - Barium, Dissolved
  - Beryllium, Dissolved
  - Cadmium, Dissolved
  - Cobalt, Dissolved
  - Chromium, Dissolved

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **EPA 6010C**
Description: 6010C MET ICP,Dissolved
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

Analyte Comments:

QC Batch: 384104

6c: The PDS failed for Cd and Ag

- MS (Lab ID: 1861338)
  - Copper, Dissolved
  - Iron, Dissolved
  - Manganese, Dissolved
  - Nickel, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Selenium, Dissolved
  - Thallium, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved
- MSD (Lab ID: 1861339)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Arsenic, Dissolved
  - Barium, Dissolved
  - Beryllium, Dissolved
  - Cadmium, Dissolved
  - Cobalt, Dissolved
  - Chromium, Dissolved
  - Copper, Dissolved
  - Iron, Dissolved
  - Manganese, Dissolved
  - Nickel, Dissolved
  - Lead, Dissolved
  - Antimony, Dissolved
  - Selenium, Dissolved
  - Thallium, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved

7c: The PDS recovery was outside of the laboratory control limits. Result may be biased high

- CO26-PZM032 (Lab ID: 30349543003)
  - Silver, Dissolved
  - Cadmium, Dissolved

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **EPA 7470A**
Description: 7470 Mercury
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

General Information:
1 sample was analyzed for EPA 7470A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 384133

7c: The PDS recovery was outside of the laboratory control limits. Result may be biased high
- CO26-PZM032 (Lab ID: 30349543003)
  - Mercury

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **EPA 7470A**
Description: 7470 Mercury, Dissolved
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

General Information:
1 sample was analyzed for EPA 7470A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 384135

7c: The PDS recovery was outside of the laboratory control limits. Result may be biased high
- CO26-PZM032 (Lab ID: 30349543003)
  - Mercury, Dissolved

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **EPA 8270D by SIM**
Description: 8270D MSSV PAH by SIM
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

General Information:
1 sample was analyzed for EPA 8270D by SIM. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

QC Batch: 384083

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- LCS (Lab ID: 1861224)
  - Terphenyl-d14 (S)

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 384083

SR: Surrogate recovery was below laboratory control limits. Results may be biased low.

- CO26-PZM032 (Lab ID: 30349543003)
  - Terphenyl-d14 (S)

ST: Surrogate recovery was above laboratory control limits. Results may be biased high.

- LCS (Lab ID: 1861224)
  - Terphenyl-d14 (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **EPA 8270D by SIM**
Description: 8270D MSSV PAH by SIM
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

QC Batch: 384083

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Analyte Comments:

QC Batch: 384083

1c: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- CO26-PZM032 (Lab ID: 30349543003)
  - 1,4-Dioxane (p-Dioxane)
  - 2-Methylnaphthalene
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Benzo(k)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - Chrysene
  - Dibenz(a,h)anthracene
  - Fluorene
  - Fluoranthene
  - Indeno(1,2,3-cd)pyrene
  - Naphthalene
  - Phenanthrene
  - Pyrene

8c: The read back of the low concentration calibration standard for this compound is not within 30% of the true value. The results may be biased low and should be considered estimated

- LCS (Lab ID: 1861224)
  - Terphenyl-d14 (S)

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **EPA 8270D**
Description: 8270D MSSV Organics
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

General Information:
1 sample was analyzed for EPA 8270D. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 384082

B: Analyte was detected in the associated method blank.

- BLANK for HBN 384082 [OEXT/404 (Lab ID: 1861218)
  - bis(2-Ethylhexyl)phthalate

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **EPA 8260B**
Description: 8260B MSV
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

General Information:
1 sample was analyzed for EPA 8260B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

QC Batch: 383756

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- Trip Blank (Lab ID: 30349543001)
  - 1,1,2-Trichlorotrifluoroethane
  - Carbon disulfide

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- Trip Blank (Lab ID: 30349543001)
  - Dichlorodifluoromethane
  - Methyl acetate

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 383756

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30349739001

ML: Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.

- MS (Lab ID: 1859503)
  - Dichlorodifluoromethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **EPA 8260B**
Description: 8260B MSV
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

Additional Comments:

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **EPA 1664A**
Description: HEM, Oil and Grease
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

General Information:
1 sample was analyzed for EPA 1664A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 383956

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30349879002

ML: Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.

- MS (Lab ID: 1860551)
  - Oil and Grease
- MSD (Lab ID: 1860552)
  - Oil and Grease

Additional Comments:

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **EPA 7196A**
Description: 7196 Chromium, Hexavalent
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

General Information:
2 samples were analyzed for EPA 7196A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.
- CO26-PZM032 (dissolved) (Lab ID: 30349543006)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Batch Comments:

Due to limited sample volume, for MS/MSD, LCSD was analyzed.
- QC Batch: 383483

Due to limted volume for MS/MSD, LCSD was analyzed
- QC Batch: 383659

Analyte Comments:

QC Batch: 383483

2c: Due to limited sample volume, for MS/MSD, LCSD was analyzed.
- BLANK (Lab ID: 1858404)
  - Chromium, Hexavalent
- CO26-PZM032 (Lab ID: 30349543003)
  - Chromium, Hexavalent
- LCS (Lab ID: 1858405)
  - Chromium, Hexavalent
- LCSD (Lab ID: 1858406)
  - Chromium, Hexavalent

QC Batch: 383659

3c: Due to limted volume for MS/MSD, LCSD was analyzed
- BLANK (Lab ID: 1859160)
  - Chromium, Hexavalent
- CO26-PZM032 (dissolved) (Lab ID: 30349543006)
  - Chromium, Hexavalent

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **EPA 7196A**
Description: 7196 Chromium, Hexavalent
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

Analyte Comments:

QC Batch: 383659

3c: Due to limted volume for MS/MSD, LCSD was analyzed

- LCS (Lab ID: 1859161)
  - Chromium, Hexavalent
- LCSD (Lab ID: 1859162)
  - Chromium, Hexavalent

4c: Sample filtered in lab at client's request

- CO26-PZM032 (dissolved) (Lab ID: 30349543006)
  - Chromium, Hexavalent

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **EPA 9012B**
Description: 9012B Cyanide, Total
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

General Information:
1 sample was analyzed for EPA 9012B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 9012B with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Method: **ASTM D7237-10**
Description: ASTM D7237-10, Free Cyanide
Client: EnviroAnalytics Group, LLC
Date: March 02, 2020

General Information:
1 sample was analyzed for ASTM D7237-10. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Sample: Trip Blank **Lab ID: 30349543001** Collected: 02/11/20 00:01 Received: 02/11/20 22:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
Acetone	**9.3J**	ug/L	10.0	5.6	1		02/13/20 14:55	67-64-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		02/13/20 14:55	71-43-2	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/13/20 14:55	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/13/20 14:55	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/13/20 14:55	74-83-9	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/13/20 14:55	78-93-3	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/13/20 14:55	75-15-0	IH
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/13/20 14:55	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/13/20 14:55	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/13/20 14:55	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/13/20 14:55	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/13/20 14:55	74-87-3	
Cyclohexane	**10.0 U**	ug/L	10.0	0.33	1		02/13/20 14:55	110-82-7	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/13/20 14:55	96-12-8	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/13/20 14:55	124-48-1	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/13/20 14:55	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/13/20 14:55	95-50-1	
1,3-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.45	1		02/13/20 14:55	541-73-1	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/13/20 14:55	106-46-7	
Dichlorodifluoromethane	**1.0 U**	ug/L	1.0	0.63	1		02/13/20 14:55	75-71-8	IL
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/13/20 14:55	75-34-3	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/13/20 14:55	107-06-2	
1,2-Dichloroethene (Total)	**2.0 U**	ug/L	2.0	0.66	1		02/13/20 14:55	540-59-0	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/13/20 14:55	75-35-4	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/13/20 14:55	156-59-2	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/13/20 14:55	156-60-5	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/13/20 14:55	78-87-5	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/13/20 14:55	10061-01-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/13/20 14:55	10061-02-6	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		02/13/20 14:55	100-41-4	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/13/20 14:55	591-78-6	
Isopropylbenzene (Cumene)	**1.0 U**	ug/L	1.0	0.47	1		02/13/20 14:55	98-82-8	
Methyl acetate	**5.0 U**	ug/L	5.0	0.55	1		02/13/20 14:55	79-20-9	IL
Methylene Chloride	**2.7**	ug/L	1.0	0.64	1		02/13/20 14:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/13/20 14:55	108-10-1	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/13/20 14:55	1634-04-4	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		02/13/20 14:55	100-42-5	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/13/20 14:55	79-34-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/13/20 14:55	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		02/13/20 14:55	108-88-3	
1,2,3-Trichlorobenzene	**2.0 U**	ug/L	2.0	0.89	1		02/13/20 14:55	87-61-6	
1,2,4-Trichlorobenzene	**1.0 U**	ug/L	1.0	0.73	1		02/13/20 14:55	120-82-1	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/13/20 14:55	71-55-6	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/13/20 14:55	79-00-5	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/13/20 14:55	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/13/20 14:55	75-69-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Sample: Trip Blank **Lab ID: 30349543001** Collected: 02/11/20 00:01 Received: 02/11/20 22:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,2-Trichlorotrifluoroethane	**50.0 U**	ug/L	50.0	3.0	1		02/13/20 14:55	76-13-1	IH
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/13/20 14:55	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		02/13/20 14:55	1330-20-7	
m&p-Xylene	**2.0 U**	ug/L	2.0	0.94	1		02/13/20 14:55	179601-23-1	
o-Xylene	**1.0 U**	ug/L	1.0	0.41	1		02/13/20 14:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%.	70-130		1		02/13/20 14:55	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130		1		02/13/20 14:55	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		1		02/13/20 14:55	2037-26-5	
Dibromofluoromethane (S)	93	%.	70-130		1		02/13/20 14:55	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Sample: CO26-PZM032 **Lab ID: 30349543003** Collected: 02/11/20 10:10 Received: 02/11/20 22:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010C MET ICP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A								
Aluminum	**59.3**	ug/L	50.0	20.3	1	02/17/20 09:19	02/18/20 19:15	7429-90-5	5c
Antimony	**6.0 U**	ug/L	6.0	3.3	1	02/17/20 09:19	02/18/20 19:15	7440-36-0	5c
Arsenic	**5.0 U**	ug/L	5.0	2.0	1	02/17/20 09:19	02/18/20 19:15	7440-38-2	5c
Barium	**69.8**	ug/L	10.0	0.68	1	02/17/20 09:19	02/18/20 19:15	7440-39-3	5c
Beryllium	**1.0 U**	ug/L	1.0	0.17	1	02/17/20 09:19	02/18/20 19:15	7440-41-7	5c
Cadmium	**3.0 U**	ug/L	3.0	0.34	1	02/17/20 09:19	02/18/20 19:15	7440-43-9	5c
Chromium	**5.0 U**	ug/L	5.0	0.35	1	02/17/20 09:19	02/18/20 19:15	7440-47-3	5c
Cobalt	**25.0 U**	ug/L	25.0	2.7	5	02/17/20 09:19	02/18/20 20:02	7440-48-4	5c
Copper	**5.0 U**	ug/L	5.0	2.7	1	02/17/20 09:19	02/18/20 19:15	7440-50-8	5c
Iron	**5080**	ug/L	70.0	40.9	1	02/17/20 09:19	02/18/20 19:15	7439-89-6	5c
Lead	**25.0 U**	ug/L	25.0	24.6	5	02/17/20 09:19	02/18/20 20:02	7439-92-1	5c
Manganese	**5400**	ug/L	25.0	5.9	5	02/17/20 09:19	02/18/20 20:02	7439-96-5	5c
Nickel	**10.0 U**	ug/L	10.0	1.5	1	02/17/20 09:19	02/18/20 19:15	7440-02-0	5c
Selenium	**8.0 U**	ug/L	8.0	5.5	1	02/17/20 09:19	02/18/20 19:15	7782-49-2	5c
Silver	**6.0 U**	ug/L	6.0	1.4	1	02/17/20 09:19	02/18/20 19:15	7440-22-4	5c,7c, MH
Thallium	**50.0 U**	ug/L	50.0	19.8	5	02/17/20 09:19	02/18/20 20:02	7440-28-0	5c
Vanadium	**5.4**	ug/L	5.0	0.57	1	02/17/20 09:19	02/18/20 19:15	7440-62-2	5c
Zinc	**10.0 U**	ug/L	10.0	2.4	1	02/17/20 09:19	02/18/20 19:15	7440-66-6	5c
6010C MET ICP,Dissolved	Analytical Method: EPA 6010C Preparation Method: EPA 3005A								
Aluminum, Dissolved	**50.0 U**	ug/L	50.0	20.3	1	02/17/20 09:18	02/18/20 18:49	7429-90-5	6c
Antimony, Dissolved	**6.0 U**	ug/L	6.0	3.3	1	02/17/20 09:18	02/18/20 18:49	7440-36-0	6c
Arsenic, Dissolved	**5.0 U**	ug/L	5.0	2.0	1	02/17/20 09:18	02/18/20 18:49	7440-38-2	6c
Barium, Dissolved	**66.8**	ug/L	10.0	0.68	1	02/17/20 09:18	02/18/20 18:49	7440-39-3	6c
Beryllium, Dissolved	**1.0 U**	ug/L	1.0	0.17	1	02/17/20 09:18	02/18/20 18:49	7440-41-7	6c
Cadmium, Dissolved	**3.0 U**	ug/L	3.0	0.34	1	02/17/20 09:18	02/18/20 18:49	7440-43-9	6c,7c
Chromium, Dissolved	**5.0 U**	ug/L	5.0	0.35	1	02/17/20 09:18	02/18/20 18:49	7440-47-3	6c
Copper, Dissolved	**5.0 U**	ug/L	5.0	2.7	1	02/17/20 09:18	02/18/20 18:49	7440-50-8	6c
Iron, Dissolved	**5170**	ug/L	70.0	40.9	1	02/17/20 09:18	02/18/20 18:49	7439-89-6	6c
Nickel, Dissolved	**10.0 U**	ug/L	10.0	1.5	1	02/17/20 09:18	02/18/20 18:49	7440-02-0	6c
Selenium, Dissolved	**8.0 U**	ug/L	8.0	5.5	1	02/17/20 09:18	02/18/20 18:49	7782-49-2	6c
Silver, Dissolved	**6.0 U**	ug/L	6.0	1.4	1	02/17/20 09:18	02/18/20 18:49	7440-22-4	6c,7c, MH
Vanadium, Dissolved	**1.5J**	ug/L	5.0	0.57	1	02/17/20 09:18	02/18/20 18:49	7440-62-2	6c
Zinc, Dissolved	**10.0 U**	ug/L	10.0	2.4	1	02/17/20 09:18	02/18/20 18:49	7440-66-6	6c
Cobalt, Dissolved	**25.0 U**	ug/L	25.0	2.7	5	02/17/20 09:18	02/18/20 19:47	7440-48-4	6c
Lead, Dissolved	**25.0 U**	ug/L	25.0	24.6	5	02/17/20 09:18	02/18/20 19:47	7439-92-1	6c
Manganese, Dissolved	**5120**	ug/L	25.0	5.9	5	02/17/20 09:18	02/18/20 19:47	7439-96-5	6c
Thallium, Dissolved	**50.0 U**	ug/L	50.0	19.8	5	02/17/20 09:18	02/18/20 19:47	7440-28-0	6c
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	**0.20 U**	ug/L	0.20	0.030	1	02/17/20 12:43	02/17/20 20:52	7439-97-6	7c
7470 Mercury, Dissolved	Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury, Dissolved	**0.20 U**	ug/L	0.20	0.030	1	02/17/20 12:44	02/17/20 21:03	7439-97-6	7c

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ANALYTICAL RESULTS

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Sample: CO26-PZM032 **Lab ID: 30349543003** Collected: 02/11/20 10:10 Received: 02/11/20 22:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C								
Acenaphthene	**0.099 U**	ug/L	0.099	0.028	1	02/17/20 09:15	02/17/20 14:44	83-32-9	1c
Acenaphthylene	**0.099 U**	ug/L	0.099	0.033	1	02/17/20 09:15	02/17/20 14:44	208-96-8	1c
Anthracene	**0.099 U**	ug/L	0.099	0.027	1	02/17/20 09:15	02/17/20 14:44	120-12-7	1c
Benzo(a)anthracene	**0.099 U**	ug/L	0.099	0.038	1	02/17/20 09:15	02/17/20 14:44	56-55-3	1c
Benzo(a)pyrene	**0.099 U**	ug/L	0.099	0.012	1	02/17/20 09:15	02/17/20 14:44	50-32-8	1c
Benzo(b)fluoranthene	**0.099 U**	ug/L	0.099	0.027	1	02/17/20 09:15	02/17/20 14:44	205-99-2	1c
Benzo(g,h,i)perylene	**0.099 U**	ug/L	0.099	0.035	1	02/17/20 09:15	02/17/20 14:44	191-24-2	1c
Benzo(k)fluoranthene	**0.099 U**	ug/L	0.099	0.023	1	02/17/20 09:15	02/17/20 14:44	207-08-9	1c
Chrysene	**0.099 U**	ug/L	0.099	0.039	1	02/17/20 09:15	02/17/20 14:44	218-01-9	1c
Dibenz(a,h)anthracene	**0.099 U**	ug/L	0.099	0.027	1	02/17/20 09:15	02/17/20 14:44	53-70-3	1c
1,4-Dioxane (p-Dioxane)	**0.099 U**	ug/L	0.099	0.080	1	02/17/20 09:15	02/18/20 14:46	123-91-1	1c
Fluoranthene	**0.099 U**	ug/L	0.099	0.032	1	02/17/20 09:15	02/17/20 14:44	206-44-0	1c
Fluorene	**0.099 U**	ug/L	0.099	0.030	1	02/17/20 09:15	02/17/20 14:44	86-73-7	1c
Indeno(1,2,3-cd)pyrene	**0.099 U**	ug/L	0.099	0.030	1	02/17/20 09:15	02/17/20 14:44	193-39-5	1c
2-Methylnaphthalene	**0.099 U**	ug/L	0.099	0.027	1	02/17/20 09:15	02/17/20 14:44	91-57-6	1c
Naphthalene	**0.099 U**	ug/L	0.099	0.037	1	02/17/20 09:15	02/17/20 14:44	91-20-3	1c
Phenanthrene	**0.099 U**	ug/L	0.099	0.043	1	02/17/20 09:15	02/17/20 14:44	85-01-8	1c
Pyrene	**0.099 U**	ug/L	0.099	0.035	1	02/17/20 09:15	02/17/20 14:44	129-00-0	1c
Surrogates									
2-Fluorobiphenyl (S)	33	%.	19-92		1	02/17/20 09:15	02/17/20 14:44	321-60-8	
Terphenyl-d14 (S)	54	%.	55-109		1	02/17/20 09:15	02/17/20 14:44	1718-51-0	SR
8270D MSSV Organics	Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	**0.99 U**	ug/L	0.99	0.39	1	02/17/20 09:15	02/18/20 17:31	83-32-9	
Acenaphthylene	**0.99 U**	ug/L	0.99	0.38	1	02/17/20 09:15	02/18/20 17:31	208-96-8	
Acetophenone	**0.99 U**	ug/L	0.99	0.41	1	02/17/20 09:15	02/18/20 17:31	98-86-2	
Anthracene	**0.99 U**	ug/L	0.99	0.26	1	02/17/20 09:15	02/18/20 17:31	120-12-7	
Benzaldehyde	**0.99 U**	ug/L	0.99	0.43	1	02/17/20 09:15	02/18/20 17:31	100-52-7	
Benzo(a)anthracene	**0.99 U**	ug/L	0.99	0.20	1	02/17/20 09:15	02/18/20 17:31	56-55-3	
Benzo(a)pyrene	**0.99 U**	ug/L	0.99	0.18	1	02/17/20 09:15	02/18/20 17:31	50-32-8	
Benzo(b)fluoranthene	**0.99 U**	ug/L	0.99	0.23	1	02/17/20 09:15	02/18/20 17:31	205-99-2	
Benzo(g,h,i)perylene	**0.99 U**	ug/L	0.99	0.29	1	02/17/20 09:15	02/18/20 17:31	191-24-2	
Benzo(k)fluoranthene	**0.99 U**	ug/L	0.99	0.25	1	02/17/20 09:15	02/19/20 13:39	207-08-9	
Biphenyl (Diphenyl)	**0.99 U**	ug/L	0.99	0.32	1	02/17/20 09:15	02/18/20 17:31	92-52-4	
Caprolactam	**2.5 U**	ug/L	2.5	0.31	1	02/17/20 09:15	02/18/20 17:31	105-60-2	
Carbazole	**0.99 U**	ug/L	0.99	0.23	1	02/17/20 09:15	02/18/20 17:31	86-74-8	
4-Chloroaniline	**0.99 U**	ug/L	0.99	0.21	1	02/17/20 09:15	02/18/20 17:31	106-47-8	
bis(2-Chloroethoxy)methane	**0.99 U**	ug/L	0.99	0.35	1	02/17/20 09:15	02/18/20 17:31	111-91-1	
bis(2-Chloroethyl) ether	**0.99 U**	ug/L	0.99	0.40	1	02/17/20 09:15	02/18/20 17:31	111-44-4	
bis(2-Chloroisopropyl) ether	**0.99 U**	ug/L	0.99	0.40	1	02/17/20 09:15	02/18/20 17:31	108-60-1	
2-Chloronaphthalene	**0.99 U**	ug/L	0.99	0.33	1	02/17/20 09:15	02/18/20 17:31	91-58-7	
2-Chlorophenol	**0.99 U**	ug/L	0.99	0.32	1	02/17/20 09:15	02/18/20 17:31	95-57-8	
Chrysene	**0.99 U**	ug/L	0.99	0.20	1	02/17/20 09:15	02/18/20 17:31	218-01-9	
Dibenz(a,h)anthracene	**0.99 U**	ug/L	0.99	0.31	1	02/17/20 09:15	02/18/20 17:31	53-70-3	
3,3'-Dichlorobenzidine	**0.99 U**	ug/L	0.99	0.22	1	02/17/20 09:15	02/18/20 17:31	91-94-1	
2,4-Dichlorophenol	**0.99 U**	ug/L	0.99	0.33	1	02/17/20 09:15	02/18/20 17:31	120-83-2	

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ANALYTICAL RESULTS

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Sample: CO26-PZM032 **Lab ID: 30349543003** Collected: 02/11/20 10:10 Received: 02/11/20 22:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Organics	Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Diethylphthalate	**0.99 U**	ug/L	0.99	0.36	1	02/17/20 09:15	02/18/20 17:31	84-66-2	
2,4-Dimethylphenol	**0.99 U**	ug/L	0.99	0.36	1	02/17/20 09:15	02/18/20 17:31	105-67-9	
Di-n-butylphthalate	**0.99 U**	ug/L	0.99	0.32	1	02/17/20 09:15	02/18/20 17:31	84-74-2	
2,4-Dinitrophenol	**2.5 U**	ug/L	2.5	0.58	1	02/17/20 09:15	02/18/20 17:31	51-28-5	
2,4-Dinitrotoluene	**0.99 U**	ug/L	0.99	0.35	1	02/17/20 09:15	02/18/20 17:31	121-14-2	
2,6-Dinitrotoluene	**0.99 U**	ug/L	0.99	0.40	1	02/17/20 09:15	02/18/20 17:31	606-20-2	
Di-n-octylphthalate	**0.73J**	ug/L	0.99	0.26	1	02/17/20 09:15	02/18/20 17:31	117-84-0	
bis(2-Ethylhexyl)phthalate	**1.1**	ug/L	0.99	0.35	1	02/17/20 09:15	02/18/20 17:31	117-81-7	B
Fluoranthene	**0.99 U**	ug/L	0.99	0.23	1	02/17/20 09:15	02/18/20 17:31	206-44-0	
Fluorene	**0.99 U**	ug/L	0.99	0.36	1	02/17/20 09:15	02/18/20 17:31	86-73-7	
Hexachloro-1,3-butadiene	**0.99 U**	ug/L	0.99	0.33	1	02/17/20 09:15	02/18/20 17:31	87-68-3	
Hexachlorobenzene	**0.99 U**	ug/L	0.99	0.30	1	02/17/20 09:15	02/18/20 17:31	118-74-1	
Hexachlorocyclopentadiene	**0.99 U**	ug/L	0.99	0.19	1	02/17/20 09:15	02/18/20 17:31	77-47-4	
Hexachloroethane	**0.99 U**	ug/L	0.99	0.30	1	02/17/20 09:15	02/18/20 17:31	67-72-1	
Indeno(1,2,3-cd)pyrene	**0.99 U**	ug/L	0.99	0.30	1	02/17/20 09:15	02/18/20 17:31	193-39-5	
Isophorone	**0.99 U**	ug/L	0.99	0.57	1	02/17/20 09:15	02/18/20 17:31	78-59-1	
2-Methylnaphthalene	**0.99 U**	ug/L	0.99	0.34	1	02/17/20 09:15	02/18/20 17:31	91-57-6	
2-Methylphenol(o-Cresol)	**0.99 U**	ug/L	0.99	0.36	1	02/17/20 09:15	02/18/20 17:31	95-48-7	
3&4-Methylphenol(m&p Cresol)	**2.0 U**	ug/L	2.0	1.9	1	02/17/20 09:15	02/18/20 17:31		
Naphthalene	**0.99 U**	ug/L	0.99	0.34	1	02/17/20 09:15	02/18/20 17:31	91-20-3	
2-Nitroaniline	**2.5 U**	ug/L	2.5	0.70	1	02/17/20 09:15	02/18/20 17:31	88-74-4	
4-Nitroaniline	**2.5 U**	ug/L	2.5	1.8	1	02/17/20 09:15	02/18/20 17:31	100-01-6	
Nitrobenzene	**0.99 U**	ug/L	0.99	0.37	1	02/17/20 09:15	02/18/20 17:31	98-95-3	
N-Nitroso-di-n-propylamine	**0.99 U**	ug/L	0.99	0.53	1	02/17/20 09:15	02/18/20 17:31	621-64-7	
N-Nitrosodiphenylamine	**0.99 U**	ug/L	0.99	0.25	1	02/17/20 09:15	02/18/20 17:31	86-30-6	
Pentachlorophenol	**2.5 U**	ug/L	2.5	1.0	1	02/17/20 09:15	02/18/20 17:31	87-86-5	
Phenanthrene	**0.99 U**	ug/L	0.99	0.33	1	02/17/20 09:15	02/18/20 17:31	85-01-8	
Phenol	**0.99 U**	ug/L	0.99	0.22	1	02/17/20 09:15	02/18/20 17:31	108-95-2	
Pyrene	**0.99 U**	ug/L	0.99	0.30	1	02/17/20 09:15	02/18/20 17:31	129-00-0	
1,2,4,5-Tetrachlorobenzene	**0.99 U**	ug/L	0.99	0.31	1	02/17/20 09:15	02/18/20 17:31	95-94-3	
2,3,4,6-Tetrachlorophenol	**0.99 U**	ug/L	0.99	0.28	1	02/17/20 09:15	02/18/20 17:31	58-90-2	
2,4,5-Trichlorophenol	**2.5 U**	ug/L	2.5	0.66	1	02/17/20 09:15	02/18/20 17:31	95-95-4	
2,4,6-Trichlorophenol	**0.99 U**	ug/L	0.99	0.36	1	02/17/20 09:15	02/18/20 17:31	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	36	%.	10-140		1	02/17/20 09:15	02/18/20 17:31	4165-60-0	
2-Fluorobiphenyl (S)	35	%.	10-135		1	02/17/20 09:15	02/18/20 17:31	321-60-8	
Terphenyl-d14 (S)	50	%.	10-128		1	02/17/20 09:15	02/18/20 17:31	1718-51-0	
Phenol-d6 (S)	15	%.	10-145		1	02/17/20 09:15	02/18/20 17:31	13127-88-3	
2-Fluorophenol (S)	23	%.	10-142		1	02/17/20 09:15	02/18/20 17:31	367-12-4	
2,4,6-Tribromophenol (S)	38	%.	10-140		1	02/17/20 09:15	02/18/20 17:31	118-79-6	
HEM, Oil and Grease	Analytical Method: EPA 1664A								
Oil and Grease	**1700J**	ug/L	4750	923	1		02/14/20 13:03		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196A								
Chromium, Hexavalent	**10.0 U**	ug/L	10.0	2.4	1		02/12/20 07:54	18540-29-9	2c

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ANALYTICAL RESULTS

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Sample: CO26-PZM032 **Lab ID: 30349543003** Collected: 02/11/20 10:10 Received: 02/11/20 22:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9012B Cyanide, Total	Analytical Method: EPA 9012B Preparation Method: EPA 9012B								
Cyanide	**0.0073J**	mg/L	0.010	0.0046	1	02/13/20 10:30	02/13/20 16:54	57-12-5	
ASTM D7237-10, Free Cyanide	Analytical Method: ASTM D7237-10								
Free Cyanide pH 6	**0.010 U**	mg/L	0.010	0.0012	1		02/13/20 12:17		

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ANALYTICAL RESULTS

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Sample: CO26-PZM032 (dissolved) **Lab ID: 30349543006** Collected: 02/11/20 10:10 Received: 02/11/20 22:20 Matrix: Water

Comments: • Sample container for hexachrome has been field filtered. Reported result is a dissolved hexachrome result.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7196 Chromium, Hexavalent	Analytical Method: EPA 7196A								
Chromium, Hexavalent	**10.0 U**	ug/L	10.0	2.4	1		02/12/20 19:04	18540-29-9	3c,4c, H1

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

QC Batch: 384133 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
Associated Lab Samples: 30349543003

METHOD BLANK: 1861430 Matrix: Water
Associated Lab Samples: 30349543003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.20 U	0.20	0.030	02/17/20 20:49	

LABORATORY CONTROL SAMPLE: 1861431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.1	108	80-120	

MATRIX SPIKE SAMPLE: 1861433

Parameter	Units	30349543003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	0.20 U	2.5	2.4	96	75-125	

SAMPLE DUPLICATE: 1861432

Parameter	Units	30349543003 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	0.20 U	0.20 U		20	

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

QC Batch: 384135 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury Dissolved
Associated Lab Samples: 30349543003

METHOD BLANK: 1861441 Matrix: Water
Associated Lab Samples: 30349543003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	0.20 U	0.20	0.030	02/17/20 21:00	

LABORATORY CONTROL SAMPLE: 1861442

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	1	1.0	101	80-120	

MATRIX SPIKE SAMPLE: 1861444

Parameter	Units	30349543003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	0.20 U	2.5	2.4	96	75-125	

SAMPLE DUPLICATE: 1861443

Parameter	Units	30349543003 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury, Dissolved	ug/L	0.20 U	0.20 U		20	

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

QC Batch: 384105 Analysis Method: EPA 6010C
QC Batch Method: EPA 3005A Analysis Description: 6010C MET
Associated Lab Samples: 30349543003

METHOD BLANK: 1861340 Matrix: Water
Associated Lab Samples: 30349543003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	50.0 U	50.0	20.3	02/18/20 19:04	5c
Antimony	ug/L	6.0 U	6.0	3.3	02/18/20 19:04	5c
Arsenic	ug/L	5.0 U	5.0	2.0	02/18/20 19:04	5c
Barium	ug/L	10.0 U	10.0	0.68	02/18/20 19:04	5c
Beryllium	ug/L	1.0 U	1.0	0.17	02/18/20 19:04	5c
Cadmium	ug/L	3.0 U	3.0	0.34	02/18/20 19:04	5c
Chromium	ug/L	5.0 U	5.0	0.35	02/18/20 19:04	5c
Cobalt	ug/L	5.0 U	5.0	0.53	02/18/20 19:04	5c
Copper	ug/L	5.0 U	5.0	2.7	02/18/20 19:04	5c
Iron	ug/L	70.0 U	70.0	40.9	02/18/20 19:04	5c
Lead	ug/L	5.0 U	5.0	4.9	02/18/20 19:04	5c
Manganese	ug/L	5.0 U	5.0	1.2	02/18/20 19:04	5c
Nickel	ug/L	10.0 U	10.0	1.5	02/18/20 19:04	5c
Selenium	ug/L	8.0 U	8.0	5.5	02/18/20 19:04	5c
Silver	ug/L	6.0 U	6.0	1.4	02/18/20 19:04	5c
Thallium	ug/L	10.0 U	10.0	4.0	02/18/20 19:04	5c
Vanadium	ug/L	5.0 U	5.0	0.57	02/18/20 19:04	5c
Zinc	ug/L	10.0 U	10.0	2.4	02/18/20 19:04	5c

LABORATORY CONTROL SAMPLE: 1861341

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	4840	97	80-120	5c
Antimony	ug/L	500	506	101	80-120	5c
Arsenic	ug/L	500	495	99	80-120	5c
Barium	ug/L	500	494	99	80-120	5c
Beryllium	ug/L	500	496	99	80-120	5c
Cadmium	ug/L	500	515	103	80-120	5c
Chromium	ug/L	500	500	100	80-120	5c
Cobalt	ug/L	500	480	96	80-120	5c
Copper	ug/L	500	492	98	80-120	5c
Iron	ug/L	5000	4950	99	80-120	5c
Lead	ug/L	500	491	98	80-120	5c
Manganese	ug/L	500	499	100	80-120	5c
Nickel	ug/L	500	520	104	80-120	5c
Selenium	ug/L	500	512	102	80-120	5c
Silver	ug/L	250	246	98	80-120	5c
Thallium	ug/L	500	476	95	80-120	5c
Vanadium	ug/L	500	497	99	80-120	5c
Zinc	ug/L	500	509	102	80-120	5c

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(724)850-5600

QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1861343 1861344

Parameter	Units	30349543003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	59.3	5000	5000	5400	5500	107	109	75-125	2	20	5c
Antimony	ug/L	6.0 U	500	500	559	558	112	112	75-125	0	20	5c
Arsenic	ug/L	5.0 U	500	500	576	585	115	117	75-125	1	20	5c
Barium	ug/L	69.8	500	500	573	586	101	103	75-125	2	20	5c
Beryllium	ug/L	1.0 U	500	500	493	503	99	101	75-125	2	20	5c
Cadmium	ug/L	3.0 U	500	500	598	606	120	121	75-125	1	20	5c
Chromium	ug/L	5.0 U	500	500	489	499	98	100	75-125	2	20	5c
Cobalt	ug/L	25.0 U	500	500	564	544	113	109	75-125	3	20	5c
Copper	ug/L	5.0 U	500	500	539	552	108	110	75-125	2	20	5c
Iron	ug/L	5080	5000	5000	9920	10000	97	99	75-125	1	20	5c
Lead	ug/L	25.0 U	500	500	520	514	104	103	75-125	1	20	5c
Manganese	ug/L	5400	500	500	6020	5920	123	103	75-125	2	20	5c
Nickel	ug/L	10.0 U	500	500	450	454	90	91	75-125	1	20	5c
Selenium	ug/L	8.0 U	500	500	567	568	113	114	75-125	0	20	5c
Silver	ug/L	6.0 U	250	250	317	320	127	128	75-125	1	20	5c,MH
Thallium	ug/L	50.0 U	500	500	469	466	94	93	75-125	1	20	5c
Vanadium	ug/L	5.4	500	500	509	518	101	102	75-125	2	20	5c
Zinc	ug/L	10.0 U	500	500	481	485	96	97	75-125	1	20	5c

SAMPLE DUPLICATE: 1861342

Parameter	Units	30349543003 Result	Dup Result	RPD	Max RPD	Qualifiers
Aluminum	ug/L	59.3	64.7	9	20	5c
Antimony	ug/L	6.0 U	6.0 U		20	5c
Arsenic	ug/L	5.0 U	3.3J		20	5c
Barium	ug/L	69.8	70.0	0	20	5c
Beryllium	ug/L	1.0 U	1.0 U		20	5c
Cadmium	ug/L	3.0 U	3.0 U		20	5c
Chromium	ug/L	5.0 U	5.0 U		20	5c
Cobalt	ug/L	25.0 U	25.0 U		20	5c
Copper	ug/L	5.0 U	5.0 U		20	5c
Iron	ug/L	5080	5000	1	20	5c
Lead	ug/L	25.0 U	25.0 U		20	5c
Manganese	ug/L	5400	5520	2	20	5c
Nickel	ug/L	10.0 U	10.0 U		20	5c
Selenium	ug/L	8.0 U	8.0 U		20	5c
Silver	ug/L	6.0 U	6.0 U		20	5c
Thallium	ug/L	50.0 U	50.0 U		20	5c
Vanadium	ug/L	5.4	5.0	7	20	5c
Zinc	ug/L	10.0 U	2.4J		20	5c

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

QC Batch: 384104
QC Batch Method: EPA 3005A
Associated Lab Samples: 30349543003

Analysis Method: EPA 6010C
Analysis Description: 6010C MET Dissolved

METHOD BLANK: 1861335
Associated Lab Samples: 30349543003

Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	50.0 U	50.0	20.3	02/18/20 18:44	6c
Antimony, Dissolved	ug/L	6.0 U	6.0	3.3	02/18/20 18:44	6c
Arsenic, Dissolved	ug/L	5.0 U	5.0	2.0	02/18/20 18:44	6c
Barium, Dissolved	ug/L	10.0 U	10.0	0.68	02/18/20 18:44	6c
Beryllium, Dissolved	ug/L	1.0 U	1.0	0.17	02/18/20 18:44	6c
Cadmium, Dissolved	ug/L	3.0 U	3.0	0.34	02/18/20 18:44	6c
Chromium, Dissolved	ug/L	5.0 U	5.0	0.35	02/18/20 18:44	6c
Cobalt, Dissolved	ug/L	5.0 U	5.0	0.53	02/18/20 18:44	6c
Copper, Dissolved	ug/L	5.0 U	5.0	2.7	02/18/20 18:44	6c
Iron, Dissolved	ug/L	70.0 U	70.0	40.9	02/18/20 18:44	6c
Lead, Dissolved	ug/L	5.0 U	5.0	4.9	02/18/20 18:44	6c
Manganese, Dissolved	ug/L	5.0 U	5.0	1.2	02/18/20 18:44	6c
Nickel, Dissolved	ug/L	10.0 U	10.0	1.5	02/18/20 18:44	6c
Selenium, Dissolved	ug/L	8.0 U	8.0	5.5	02/18/20 18:44	6c
Silver, Dissolved	ug/L	6.0 U	6.0	1.4	02/18/20 18:44	6c
Thallium, Dissolved	ug/L	10.0 U	10.0	4.0	02/18/20 18:44	6c
Vanadium, Dissolved	ug/L	5.0 U	5.0	0.57	02/18/20 18:44	6c
Zinc, Dissolved	ug/L	10.0 U	10.0	2.4	02/18/20 18:44	6c

LABORATORY CONTROL SAMPLE: 1861336

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	5000	4650	93	80-120	6c
Antimony, Dissolved	ug/L	500	472	94	80-120	6c
Arsenic, Dissolved	ug/L	500	468	94	80-120	6c
Barium, Dissolved	ug/L	500	473	95	80-120	6c
Beryllium, Dissolved	ug/L	500	477	95	80-120	6c
Cadmium, Dissolved	ug/L	500	486	97	80-120	6c
Chromium, Dissolved	ug/L	500	476	95	80-120	6c
Cobalt, Dissolved	ug/L	500	453	91	80-120	6c
Copper, Dissolved	ug/L	500	474	95	80-120	6c
Iron, Dissolved	ug/L	5000	4740	95	80-120	6c
Lead, Dissolved	ug/L	500	459	92	80-120	6c
Manganese, Dissolved	ug/L	500	477	95	80-120	6c
Nickel, Dissolved	ug/L	500	486	97	80-120	6c
Selenium, Dissolved	ug/L	500	476	95	80-120	6c
Silver, Dissolved	ug/L	250	233	93	80-120	6c
Thallium, Dissolved	ug/L	500	452	90	80-120	6c
Vanadium, Dissolved	ug/L	500	471	94	80-120	6c
Zinc, Dissolved	ug/L	500	479	96	80-120	6c

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1861338 1861339

Parameter	Units	30349543003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum, Dissolved	ug/L	50.0 U	5000	5000	5410	5310	108	106	75-125	2	20	6c
Antimony, Dissolved	ug/L	6.0 U	500	500	564	551	113	110	75-125	2	20	6c
Arsenic, Dissolved	ug/L	5.0 U	500	500	578	570	116	114	75-125	1	20	6c
Barium, Dissolved	ug/L	66.8	500	500	578	564	102	99	75-125	3	20	6c
Beryllium, Dissolved	ug/L	1.0 U	500	500	498	486	100	97	75-125	2	20	6c
Cadmium, Dissolved	ug/L	3.0 U	500	500	604	594	121	119	75-125	2	20	6c
Chromium, Dissolved	ug/L	5.0 U	500	500	495	483	99	97	75-125	3	20	6c
Cobalt, Dissolved	ug/L	25.0 U	500	500	536	532	107	106	75-125	1	20	6c
Copper, Dissolved	ug/L	5.0 U	500	500	539	524	108	105	75-125	3	20	6c
Iron, Dissolved	ug/L	5170	5000	5000	10300	10100	103	99	75-125	2	20	6c
Lead, Dissolved	ug/L	25.0 U	500	500	534	544	107	109	75-125	2	20	6c
Manganese, Dissolved	ug/L	5120	500	500	5640	5570	104	91	75-125	1	20	6c
Nickel, Dissolved	ug/L	10.0 U	500	500	450	443	90	88	75-125	2	20	6c
Selenium, Dissolved	ug/L	8.0 U	500	500	569	557	114	111	75-125	2	20	6c
Silver, Dissolved	ug/L	6.0 U	250	250	321	311	128	124	75-125	3	20	6c,MH
Thallium, Dissolved	ug/L	50.0 U	500	500	423	430	85	86	75-125	2	20	6c
Vanadium, Dissolved	ug/L	1.5J	500	500	513	500	102	100	75-125	3	20	6c
Zinc, Dissolved	ug/L	10.0 U	500	500	479	473	96	94	75-125	1	20	6c

SAMPLE DUPLICATE: 1861337

Parameter	Units	30349543003 Result	Dup Result	RPD	Max RPD	Qualifiers
Aluminum, Dissolved	ug/L	50.0 U	50.0 U		20	6c
Antimony, Dissolved	ug/L	6.0 U	6.0 U		20	6c
Arsenic, Dissolved	ug/L	5.0 U	2.1J		20	6c
Barium, Dissolved	ug/L	66.8	67.8	2	20	6c
Beryllium, Dissolved	ug/L	1.0 U	1.0 U		20	6c
Cadmium, Dissolved	ug/L	3.0 U	3.0 U		20	6c
Chromium, Dissolved	ug/L	5.0 U	5.0 U		20	6c
Cobalt, Dissolved	ug/L	25.0 U	25.0 U		20	6c
Copper, Dissolved	ug/L	5.0 U	5.0 U		20	6c
Iron, Dissolved	ug/L	5170	5260	2	20	6c
Lead, Dissolved	ug/L	25.0 U	25.0 U		20	6c
Manganese, Dissolved	ug/L	5120	5120	0	20	6c
Nickel, Dissolved	ug/L	10.0 U	10.0 U		20	6c
Selenium, Dissolved	ug/L	8.0 U	8.0 U		20	6c
Silver, Dissolved	ug/L	6.0 U	6.0 U		20	6c
Thallium, Dissolved	ug/L	50.0 U	50.0 U		20	6c
Vanadium, Dissolved	ug/L	1.5J	5.0 U		20	6c
Zinc, Dissolved	ug/L	10.0 U	10.0 U		20	6c

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

QC Batch: 383756 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Associated Lab Samples: 30349543001

METHOD BLANK: 1859501 Matrix: Water
Associated Lab Samples: 30349543001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	02/13/20 12:51	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	02/13/20 12:51	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	02/13/20 12:51	
1,1,2-Trichlorotrifluoroethane	ug/L	50.0 U	50.0	3.0	02/13/20 12:51	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	02/13/20 12:51	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	02/13/20 12:51	
1,2,3-Trichlorobenzene	ug/L	2.0 U	2.0	0.89	02/13/20 12:51	
1,2,4-Trichlorobenzene	ug/L	1.0 U	1.0	0.73	02/13/20 12:51	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	02/13/20 12:51	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	02/13/20 12:51	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	02/13/20 12:51	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	02/13/20 12:51	
1,2-Dichloroethene (Total)	ug/L	2.0 U	2.0	0.66	02/13/20 12:51	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	02/13/20 12:51	
1,3-Dichlorobenzene	ug/L	1.0 U	1.0	0.45	02/13/20 12:51	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	02/13/20 12:51	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	02/13/20 12:51	
2-Hexanone	ug/L	10.0 U	10.0	0.58	02/13/20 12:51	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	02/13/20 12:51	
Acetone	ug/L	10.0 U	10.0	5.6	02/13/20 12:51	
Benzene	ug/L	1.0 U	1.0	0.34	02/13/20 12:51	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	02/13/20 12:51	
Bromoform	ug/L	1.0 U	1.0	0.56	02/13/20 12:51	
Bromomethane	ug/L	1.0 U	1.0	0.73	02/13/20 12:51	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	02/13/20 12:51	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	02/13/20 12:51	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	02/13/20 12:51	
Chloroethane	ug/L	1.0 U	1.0	0.64	02/13/20 12:51	
Chloroform	ug/L	1.0 U	1.0	0.39	02/13/20 12:51	
Chloromethane	ug/L	1.0 U	1.0	0.40	02/13/20 12:51	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	02/13/20 12:51	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	02/13/20 12:51	
Cyclohexane	ug/L	10.0 U	10.0	0.33	02/13/20 12:51	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	02/13/20 12:51	
Dichlorodifluoromethane	ug/L	1.0 U	1.0	0.63	02/13/20 12:51	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	02/13/20 12:51	
Isopropylbenzene (Cumene)	ug/L	1.0 U	1.0	0.47	02/13/20 12:51	
m&p-Xylene	ug/L	2.0 U	2.0	0.94	02/13/20 12:51	
Methyl acetate	ug/L	5.0 U	5.0	0.55	02/13/20 12:51	
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	02/13/20 12:51	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	02/13/20 12:51	

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

METHOD BLANK: 1859501 Matrix: Water
Associated Lab Samples: 30349543001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
o-Xylene	ug/L	1.0 U	1.0	0.41	02/13/20 12:51	
Styrene	ug/L	1.0 U	1.0	0.33	02/13/20 12:51	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	02/13/20 12:51	
Toluene	ug/L	1.0 U	1.0	0.32	02/13/20 12:51	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	02/13/20 12:51	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	02/13/20 12:51	
Trichloroethene	ug/L	1.0 U	1.0	0.29	02/13/20 12:51	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	02/13/20 12:51	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	02/13/20 12:51	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	02/13/20 12:51	
1,2-Dichloroethane-d4 (S)	%.	104	70-130		02/13/20 12:51	
4-Bromofluorobenzene (S)	%.	102	70-130		02/13/20 12:51	
Dibromofluoromethane (S)	%.	96	70-130		02/13/20 12:51	
Toluene-d8 (S)	%.	99	70-130		02/13/20 12:51	

LABORATORY CONTROL SAMPLE: 1859502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.7	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.1	101	70-130	
1,1,2-Trichloroethane	ug/L	20	20.0	100	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	20	22.8J	114	61-138	
1,1-Dichloroethane	ug/L	20	20.2	101	70-130	
1,1-Dichloroethene	ug/L	20	18.4	92	70-130	
1,2,3-Trichlorobenzene	ug/L	20	23.7	118	70-130	
1,2,4-Trichlorobenzene	ug/L	20	22.9	114	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	18.1	91	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	19.9	99	70-130	
1,2-Dichlorobenzene	ug/L	20	20.6	103	70-130	
1,2-Dichloroethane	ug/L	20	19.9	99	70-130	
1,2-Dichloroethene (Total)	ug/L	40	38.8	97	70-130	
1,2-Dichloropropane	ug/L	20	20.6	103	70-130	
1,3-Dichlorobenzene	ug/L	20	20.4	102	70-130	
1,4-Dichlorobenzene	ug/L	20	20.1	101	70-130	
2-Butanone (MEK)	ug/L	20	20.9	104	70-130	
2-Hexanone	ug/L	20	22.3	112	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	22.3	111	70-130	
Acetone	ug/L	20	21.9	110	67-173	
Benzene	ug/L	20	20.7	104	70-130	
Bromodichloromethane	ug/L	20	20.9	105	70-130	
Bromoform	ug/L	20	16.0	80	63-119	
Bromomethane	ug/L	20	15.1	75	24-159	
Carbon disulfide	ug/L	20	25.3	127	57-132	
Carbon tetrachloride	ug/L	20	19.6	98	70-130	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

LABORATORY CONTROL SAMPLE: 1859502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	20	20.8	104	70-130	
Chloroethane	ug/L	20	18.0	90	62-145	
Chloroform	ug/L	20	19.0	95	70-130	
Chloromethane	ug/L	20	17.5	87	66-140	
cis-1,2-Dichloroethene	ug/L	20	19.7	98	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.7	104	70-130	
Cyclohexane	ug/L	20	24.0	120	63-128	
Dibromochloromethane	ug/L	20	19.3	96	70-130	
Dichlorodifluoromethane	ug/L	20	12.8	64	62-162	
Ethylbenzene	ug/L	20	20.7	103	70-130	
Isopropylbenzene (Cumene)	ug/L	20	23.2	116	70-130	
m&p-Xylene	ug/L	40	41.9	105	70-130	
Methyl acetate	ug/L	20	14.0	70	37-158	
Methyl-tert-butyl ether	ug/L	20	21.1	106	70-130	
Methylene Chloride	ug/L	20	21.4	107	70-130	
o-Xylene	ug/L	20	20.0	100	70-130	
Styrene	ug/L	20	21.1	106	70-130	
Tetrachloroethene	ug/L	20	19.7	99	70-130	
Toluene	ug/L	20	21.2	106	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.1	96	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.5	102	70-130	
Trichloroethene	ug/L	20	19.7	98	70-130	
Trichlorofluoromethane	ug/L	20	19.6	98	70-130	
Vinyl chloride	ug/L	20	18.1	90	70-130	
Xylene (Total)	ug/L	60	61.9	103	70-130	
1,2-Dichloroethane-d4 (S)	%.			100	70-130	
4-Bromofluorobenzene (S)	%.			101	70-130	
Dibromofluoromethane (S)	%.			96	70-130	
Toluene-d8 (S)	%.			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1859503 1859504

Parameter	Units	30349739001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	19.3	17.9	97	89	55-146	8	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	18.2	16.3	91	81	55-118	11	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	17.9	15.9	89	80	61-122	11	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	20	19.1J	19.8J	95	99	42-134		30	
1,1-Dichloroethane	ug/L	ND	20	20	19.3	17.3	96	86	59-130	11	30	
1,1-Dichloroethene	ug/L	ND	20	20	18.1	16.1	90	80	52-119	12	30	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	16.1	15.0	81	75	45-126	7	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	15.4	15.3	77	76	38-146	1	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	15.4	13.8	77	69	32-112	11	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	17.9	15.9	89	80	61-116	12	30	

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1859503 1859504

Parameter	Units	30349739001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichlorobenzene	ug/L	ND	20	20	17.1	16.1	86	81	58-126	6	30	
1,2-Dichloroethane	ug/L	ND	20	20	18.3	16.8	92	84	49-135	9	30	
1,2-Dichloroethene (Total)	ug/L	ND	40	40	36.7	34.3	92	86	61-119	7	30	
1,2-Dichloropropane	ug/L	ND	20	20	19.0	17.5	95	87	67-121	8	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	17.4	16.2	87	81	56-130	7	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	16.9	15.8	84	79	60-121	6	30	
2-Butanone (MEK)	ug/L	ND	20	20	17.5	17.8	88	89	59-138	1	30	
2-Hexanone	ug/L	ND	20	20	20.3	18.8	101	94	66-123	8	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	19.8	19.2	99	96	70-130	3	30	
Acetone	ug/L	ND	20	20	20.3	18.4	86	76	57-140	10	30	
Benzene	ug/L	ND	20	20	19.3	17.5	97	88	50-149	10	30	
Bromodichloromethane	ug/L	ND	20	20	18.9	17.1	94	86	46-131	10	30	
Bromoform	ug/L	ND	20	20	13.5	12.2	67	61	30-119	10	30	
Bromomethane	ug/L	ND	20	20	14.0	14.8	70	74	10-163	6	30	
Carbon disulfide	ug/L	ND	20	20	21.6	22.0	108	110	41-116	2	30	
Carbon tetrachloride	ug/L	ND	20	20	17.1	16.4	86	82	55-119	4	30	
Chlorobenzene	ug/L	ND	20	20	18.4	16.9	92	84	66-124	9	30	
Chloroethane	ug/L	ND	20	20	16.8	17.9	84	89	45-162	6	30	
Chloroform	ug/L	ND	20	20	18.1	15.8	90	79	56-123	13	30	
Chloromethane	ug/L	ND	20	20	14.5	15.2	72	76	49-150	5	30	
cis-1,2-Dichloroethene	ug/L	ND	20	20	18.4	17.0	92	85	63-116	8	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	17.8	16.4	89	82	46-119	8	30	
Cyclohexane	ug/L	ND	20	20	19.2	20.4	96	102	51-130	6	30	
Dibromochloromethane	ug/L	ND	20	20	16.3	15.0	81	75	42-120	8	30	
Dichlorodifluoromethane	ug/L	ND	20	20	11.3	11.8	56	59	59-155	5	30	ML
Ethylbenzene	ug/L	ND	20	20	18.8	17.1	94	86	63-135	9	30	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	20.2	18.7	101	94	50-167	8	30	
m&p-Xylene	ug/L	ND	40	40	37.8	34.3	95	86	63-135	10	30	
Methyl acetate	ug/L	ND	20	20	11.6	12.1	58	60	17-145	4	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	17.8	18.0	87	88	53-123	1	30	
Methylene Chloride	ug/L	ND	20	20	18.2	16.5	91	82	57-132	10	30	
o-Xylene	ug/L	ND	20	20	18.0	16.3	90	81	57-133	10	30	
Styrene	ug/L	ND	20	20	18.8	16.8	94	84	58-130	11	30	
Tetrachloroethene	ug/L	ND	20	20	17.8	16.5	89	82	61-132	8	30	
Toluene	ug/L	ND	20	20	19.0	17.4	95	87	59-139	9	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	18.4	17.4	92	87	60-124	6	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	18.7	16.2	94	81	48-121	14	30	
Trichloroethene	ug/L	ND	20	20	17.9	16.3	89	81	63-128	9	30	
Trichlorofluoromethane	ug/L	ND	20	20	18.0	19.5	90	97	70-152	8	30	
Vinyl chloride	ug/L	ND	20	20	16.3	17.4	81	87	67-141	7	30	
Xylene (Total)	ug/L	ND	60	60	55.8	50.6	93	84	63-135	10	30	
1,2-Dichloroethane-d4 (S)	%.						101	102	70-130			
4-Bromofluorobenzene (S)	%.						101	98	70-130			
Dibromofluoromethane (S)	%.						99	100	70-130			

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1859503 1859504

Parameter	Units	30349739001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene-d8 (S)	%.						103	102	70-130			

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

QC Batch: 384083
QC Batch Method: EPA 3510C
Analysis Method: EPA 8270D by SIM
Analysis Description: 8270D Water PAH by SIM MSSV
Associated Lab Samples: 30349543003

METHOD BLANK: 1861222 Matrix: Water
Associated Lab Samples: 30349543003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.10 U	0.10	0.081	02/18/20 14:04	
2-Methylnaphthalene	ug/L	0.10 U	0.10	0.028	02/17/20 14:09	
Acenaphthene	ug/L	0.10 U	0.10	0.029	02/17/20 14:09	
Acenaphthylene	ug/L	0.10 U	0.10	0.034	02/17/20 14:09	
Anthracene	ug/L	0.10 U	0.10	0.028	02/17/20 14:09	
Benzo(a)anthracene	ug/L	0.10 U	0.10	0.039	02/17/20 14:09	
Benzo(a)pyrene	ug/L	0.10 U	0.10	0.012	02/17/20 14:09	
Benzo(b)fluoranthene	ug/L	0.10 U	0.10	0.027	02/17/20 14:09	
Benzo(g,h,i)perylene	ug/L	0.10 U	0.10	0.035	02/17/20 14:09	
Benzo(k)fluoranthene	ug/L	0.10 U	0.10	0.023	02/17/20 14:09	
Chrysene	ug/L	0.10 U	0.10	0.040	02/17/20 14:09	
Dibenz(a,h)anthracene	ug/L	0.10 U	0.10	0.028	02/17/20 14:09	
Fluoranthene	ug/L	0.10 U	0.10	0.032	02/17/20 14:09	
Fluorene	ug/L	0.10 U	0.10	0.031	02/17/20 14:09	
Indeno(1,2,3-cd)pyrene	ug/L	0.10 U	0.10	0.030	02/17/20 14:09	
Naphthalene	ug/L	0.10 U	0.10	0.038	02/17/20 14:09	
Phenanthrene	ug/L	0.10 U	0.10	0.044	02/17/20 14:09	
Pyrene	ug/L	0.10 U	0.10	0.036	02/17/20 14:09	
2-Fluorobiphenyl (S)	%.	56	19-92		02/17/20 14:09	
Terphenyl-d14 (S)	%.	80	55-109		02/17/20 14:09	

LABORATORY CONTROL SAMPLE: 1861223

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylnaphthalene	ug/L	2	1.2	58	31-108	
Acenaphthene	ug/L	2	1.1	57	29-110	
Acenaphthylene	ug/L	2	1.2	59	28-121	
Anthracene	ug/L	2	1.3	63	40-115	
Benzo(a)anthracene	ug/L	2	1.7	85	63-119	
Benzo(a)pyrene	ug/L	2	1.6	82	56-121	
Benzo(b)fluoranthene	ug/L	2	1.9	93	61-126	
Benzo(g,h,i)perylene	ug/L	2	1.6	80	53-123	
Benzo(k)fluoranthene	ug/L	2	1.6	81	57-121	
Chrysene	ug/L	2	1.6	78	62-109	
Dibenz(a,h)anthracene	ug/L	2	1.7	83	55-125	
Fluoranthene	ug/L	2	1.6	78	55-121	
Fluorene	ug/L	2	1.2	61	30-119	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.7	83	56-124	
Naphthalene	ug/L	2	1.0	51	26-104	
Phenanthrene	ug/L	2	1.3	64	38-112	

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

LABORATORY CONTROL SAMPLE: 1861223

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/L	2	1.5	77	56-119	
2-Fluorobiphenyl (S)	%.			53	19-92	
Terphenyl-d14 (S)	%.			80	55-109	

LABORATORY CONTROL SAMPLE: 1861224

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	2	0.50	25	10-54	
2-Fluorobiphenyl (S)	%.			58	19-92	
Terphenyl-d14 (S)	%.			116	55-109	8c,IH,ST

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

QC Batch: 384082 Analysis Method: EPA 8270D
QC Batch Method: EPA 3510C Analysis Description: 8270D Water MSSV
Associated Lab Samples: 30349543003

METHOD BLANK: 1861218 Matrix: Water
Associated Lab Samples: 30349543003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	1.0 U	1.0	0.31	02/18/20 16:02	
2,3,4,6-Tetrachlorophenol	ug/L	1.0 U	1.0	0.28	02/18/20 16:02	
2,4,5-Trichlorophenol	ug/L	2.5 U	2.5	0.67	02/18/20 16:02	
2,4,6-Trichlorophenol	ug/L	1.0 U	1.0	0.37	02/18/20 16:02	
2,4-Dichlorophenol	ug/L	1.0 U	1.0	0.34	02/18/20 16:02	
2,4-Dimethylphenol	ug/L	1.0 U	1.0	0.36	02/18/20 16:02	
2,4-Dinitrophenol	ug/L	2.5 U	2.5	0.58	02/18/20 16:02	
2,4-Dinitrotoluene	ug/L	1.0 U	1.0	0.36	02/18/20 16:02	
2,6-Dinitrotoluene	ug/L	1.0 U	1.0	0.40	02/18/20 16:02	
2-Chloronaphthalene	ug/L	1.0 U	1.0	0.33	02/18/20 16:02	
2-Chlorophenol	ug/L	1.0 U	1.0	0.32	02/18/20 16:02	
2-Methylnaphthalene	ug/L	1.0 U	1.0	0.34	02/18/20 16:02	
2-Methylphenol(o-Cresol)	ug/L	1.0 U	1.0	0.37	02/18/20 16:02	
2-Nitroaniline	ug/L	2.5 U	2.5	0.71	02/18/20 16:02	
3&4-Methylphenol(m&p Cresol)	ug/L	2.0 U	2.0	1.9	02/18/20 16:02	
3,3'-Dichlorobenzidine	ug/L	1.0 U	1.0	0.23	02/18/20 16:02	
4-Chloroaniline	ug/L	1.0 U	1.0	0.21	02/18/20 16:02	
4-Nitroaniline	ug/L	2.5 U	2.5	1.9	02/18/20 16:02	
Acenaphthene	ug/L	1.0 U	1.0	0.39	02/18/20 16:02	
Acenaphthylene	ug/L	1.0 U	1.0	0.38	02/18/20 16:02	
Acetophenone	ug/L	1.0 U	1.0	0.42	02/18/20 16:02	
Anthracene	ug/L	1.0 U	1.0	0.27	02/18/20 16:02	
Benzaldehyde	ug/L	1.0 U	1.0	0.43	02/18/20 16:02	
Benzo(a)anthracene	ug/L	1.0 U	1.0	0.20	02/18/20 16:02	
Benzo(a)pyrene	ug/L	1.0 U	1.0	0.18	02/18/20 16:02	
Benzo(b)fluoranthene	ug/L	1.0 U	1.0	0.24	02/18/20 16:02	
Benzo(g,h,i)perylene	ug/L	1.0 U	1.0	0.30	02/18/20 16:02	
Benzo(k)fluoranthene	ug/L	1.0 U	1.0	0.26	02/19/20 11:09	
Biphenyl (Diphenyl)	ug/L	1.0 U	1.0	0.32	02/18/20 16:02	
bis(2-Chloroethoxy)methane	ug/L	1.0 U	1.0	0.36	02/18/20 16:02	
bis(2-Chloroethyl) ether	ug/L	1.0 U	1.0	0.41	02/18/20 16:02	
bis(2-Chloroisopropyl) ether	ug/L	1.0 U	1.0	0.40	02/18/20 16:02	
bis(2-Ethylhexyl)phthalate	ug/L	1.5	1.0	0.36	02/18/20 16:02	B
Caprolactam	ug/L	2.5 U	2.5	0.32	02/18/20 16:02	
Carbazole	ug/L	1.0 U	1.0	0.23	02/18/20 16:02	
Chrysene	ug/L	1.0 U	1.0	0.21	02/18/20 16:02	
Di-n-butylphthalate	ug/L	1.0 U	1.0	0.32	02/18/20 16:02	
Di-n-octylphthalate	ug/L	0.82J	1.0	0.27	02/18/20 16:02	
Dibenz(a,h)anthracene	ug/L	1.0 U	1.0	0.31	02/18/20 16:02	
Diethylphthalate	ug/L	1.0 U	1.0	0.36	02/18/20 16:02	
Fluoranthene	ug/L	1.0 U	1.0	0.23	02/18/20 16:02	

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

METHOD BLANK: 1861218 Matrix: Water
Associated Lab Samples: 30349543003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Fluorene	ug/L	1.0 U	1.0	0.37	02/18/20 16:02	
Hexachloro-1,3-butadiene	ug/L	1.0 U	1.0	0.33	02/18/20 16:02	
Hexachlorobenzene	ug/L	1.0 U	1.0	0.30	02/18/20 16:02	
Hexachlorocyclopentadiene	ug/L	1.0 U	1.0	0.19	02/18/20 16:02	
Hexachloroethane	ug/L	1.0 U	1.0	0.30	02/18/20 16:02	
Indeno(1,2,3-cd)pyrene	ug/L	1.0 U	1.0	0.30	02/18/20 16:02	
Isophorone	ug/L	1.0 U	1.0	0.57	02/18/20 16:02	
N-Nitroso-di-n-propylamine	ug/L	1.0 U	1.0	0.54	02/18/20 16:02	
N-Nitrosodiphenylamine	ug/L	1.0 U	1.0	0.25	02/18/20 16:02	
Naphthalene	ug/L	1.0 U	1.0	0.35	02/18/20 16:02	
Nitrobenzene	ug/L	1.0 U	1.0	0.38	02/18/20 16:02	
Pentachlorophenol	ug/L	2.5 U	2.5	1.0	02/18/20 16:02	
Phenanthrene	ug/L	1.0 U	1.0	0.34	02/18/20 16:02	
Phenol	ug/L	1.0 U	1.0	0.22	02/18/20 16:02	
Pyrene	ug/L	1.0 U	1.0	0.30	02/18/20 16:02	
2,4,6-Tribromophenol (S)	%.	63	10-140		02/18/20 16:02	
2-Fluorobiphenyl (S)	%.	58	10-135		02/18/20 16:02	
2-Fluorophenol (S)	%.	37	10-142		02/18/20 16:02	
Nitrobenzene-d5 (S)	%.	56	10-140		02/18/20 16:02	
Phenol-d6 (S)	%.	25	10-145		02/18/20 16:02	
Terphenyl-d14 (S)	%.	66	10-128		02/18/20 16:02	

LABORATORY CONTROL SAMPLE: 1861219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	10	5.6	56	28-99	
2,3,4,6-Tetrachlorophenol	ug/L	10	10.0	100	33-115	
2,4,5-Trichlorophenol	ug/L	10	9.4	94	57-113	
2,4,6-Trichlorophenol	ug/L	10	9.0	90	45-122	
2,4-Dichlorophenol	ug/L	10	8.1	81	33-96	
2,4-Dimethylphenol	ug/L	10	7.9	79	19-87	
2,4-Dinitrophenol	ug/L	10	9.6	96	15-119	
2,4-Dinitrotoluene	ug/L	10	9.8	98	40-119	
2,6-Dinitrotoluene	ug/L	10	8.8	88	50-116	
2-Chloronaphthalene	ug/L	10	7.0	70	30-101	
2-Chlorophenol	ug/L	10	6.6	66	27-97	
2-Methylnaphthalene	ug/L	10	6.9	69	24-91	
2-Methylphenol(o-Cresol)	ug/L	10	6.8	68	10-175	
2-Nitroaniline	ug/L	10	9.1	91	48-120	
3&4-Methylphenol(m&p Cresol)	ug/L	20	13.9	70	21-131	
3,3'-Dichlorobenzidine	ug/L	10	8.9	89	49-117	
4-Chloroaniline	ug/L	10	6.9	69	22-79	
4-Nitroaniline	ug/L	10	10.7	107	46-136	
Acenaphthene	ug/L	10	7.7	77	36-106	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

LABORATORY CONTROL SAMPLE: 1861219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthylene	ug/L	10	7.7	77	35-103	
Acetophenone	ug/L	10	6.7	67	30-107	
Anthracene	ug/L	10	9.4	94	56-106	
Benzaldehyde	ug/L	10	4.1	41	10-128	
Benzo(a)anthracene	ug/L	10	10.6	106	64-124	
Benzo(a)pyrene	ug/L	10	10.8	108	61-115	
Benzo(b)fluoranthene	ug/L	10	10.7	107	58-133	
Benzo(g,h,i)perylene	ug/L	10	10.8	108	40-142	
Benzo(k)fluoranthene	ug/L	10	8.4	84	61-121	
Biphenyl (Diphenyl)	ug/L	10	6.2	62	29-103	
bis(2-Chloroethoxy)methane	ug/L	10	7.6	76	33-96	
bis(2-Chloroethyl) ether	ug/L	10	6.6	66	25-98	
bis(2-Chloroisopropyl) ether	ug/L	10	6.9	69	23-104	
bis(2-Ethylhexyl)phthalate	ug/L	10	12.1	121	65-141	
Caprolactam	ug/L	10	2.7	27	10-39	
Carbazole	ug/L	10	9.3	93	59-112	
Chrysene	ug/L	10	10.6	106	63-120	
Di-n-butylphthalate	ug/L	10	11.5	115	69-126	
Di-n-octylphthalate	ug/L	10	11.4	114	61-145	
Dibenz(a,h)anthracene	ug/L	10	11.9	119	52-138	
Diethylphthalate	ug/L	10	9.5	95	61-117	
Fluoranthene	ug/L	10	10.9	109	65-119	
Fluorene	ug/L	10	8.3	83	44-110	
Hexachloro-1,3-butadiene	ug/L	10	5.6	56	13-112	
Hexachlorobenzene	ug/L	10	8.8	88	17-121	
Hexachlorocyclopentadiene	ug/L	10	5.3	53	10-83	
Hexachloroethane	ug/L	10	4.9	49	13-108	
Indeno(1,2,3-cd)pyrene	ug/L	10	11.6	116	48-140	
Isophorone	ug/L	10	8.3	83	34-93	
N-Nitroso-di-n-propylamine	ug/L	10	7.9	79	34-106	
N-Nitrosodiphenylamine	ug/L	10	8.6	86	34-97	
Naphthalene	ug/L	10	6.7	67	23-90	
Nitrobenzene	ug/L	10	6.8	68	26-128	
Pentachlorophenol	ug/L	10	11.6	116	37-125	
Phenanthrene	ug/L	10	9.2	92	56-112	
Phenol	ug/L	10	3.2	32	10-58	
Pyrene	ug/L	10	10.2	102	56-128	
2,4,6-Tribromophenol (S)	%.			78	10-140	
2-Fluorobiphenyl (S)	%.			60	10-135	
2-Fluorophenol (S)	%.			33	10-142	
Nitrobenzene-d5 (S)	%.			57	10-140	
Phenol-d6 (S)	%.			25	10-145	
Terphenyl-d14 (S)	%.			77	10-128	

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1861220 1861221

Parameter	Units	30350093001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4,5-Tetrachlorobenzene	ug/L	1.0 U	9.9	10.1	5.0	5.6	51	55	10-91	10	25	
2,3,4,6-Tetrachlorophenol	ug/L	1.0 U	9.9	10.1	9.9	10.5	100	105	25-127	6	25	
2,4,5-Trichlorophenol	ug/L	2.5 U	9.9	10.1	9.6	9.9	97	98	32-129	3	25	
2,4,6-Trichlorophenol	ug/L	1.0 U	9.9	10.1	9.4	10.3	95	103	25-130	10	25	
2,4-Dichlorophenol	ug/L	1.0 U	9.9	10.1	8.7	9.5	88	94	19-100	8	25	
2,4-Dimethylphenol	ug/L	1.0 U	9.9	10.1	8.5	8.9	86	88	10-93	4	25	
2,4-Dinitrophenol	ug/L	2.5 U	9.9	10.1	9.2	9.6	93	96	10-165	5	25	
2,4-Dinitrotoluene	ug/L	1.0 U	9.9	10.1	9.7	10.3	98	102	37-123	6	25	
2,6-Dinitrotoluene	ug/L	1.0 U	9.9	10.1	9.1	9.7	92	97	30-118	7	25	
2-Chloronaphthalene	ug/L	1.0 U	9.9	10.1	6.6	7.1	67	71	14-98	8	25	
2-Chlorophenol	ug/L	1.0 U	9.9	10.1	7.3	7.8	73	78	10-99	8	25	
2-Methylnaphthalene	ug/L	1.0 U	9.9	10.1	6.4	7.1	65	71	10-89	10	25	
2-Methylphenol(o-Cresol)	ug/L	1.0 U	9.9	10.1	7.1	7.7	71	77	10-120	9	25	
2-Nitroaniline	ug/L	2.5 U	9.9	10.1	9.7	10.3	98	103	31-120	6	25	
3&4-Methylphenol(m&p Cresol)	ug/L	2.0 U	19.8	20.1	14.1	15.4	71	76	10-132	8	25	
3,3'-Dichlorobenzidine	ug/L	1.0 U	9.9	10.1	5.4	6.3	55	63	10-112	16	25	
4-Chloroaniline	ug/L	1.0 U	9.9	10.1	7.5	7.7	76	77	10-90	3	25	
4-Nitroaniline	ug/L	2.5 U	9.9	10.1	10.8	11.0	109	110	10-168	2	25	
Acenaphthene	ug/L	1.0 U	9.9	10.1	7.4	7.9	74	79	19-104	7	25	
Acenaphthylene	ug/L	1.0 U	9.9	10.1	7.6	8.2	76	81	15-102	8	25	
Acetophenone	ug/L	1.0 U	9.9	10.1	7.1	7.7	71	77	16-96	9	25	
Anthracene	ug/L	1.0 U	9.9	10.1	8.4	8.7	85	86	34-108	3	25	
Benzaldehyde	ug/L	1.0 U	9.9	10.1	4.1	4.4	41	44	10-121	9	25	
Benzo(a)anthracene	ug/L	1.0 U	9.9	10.1	9.8	10.3	99	103	46-122	5	25	
Benzo(a)pyrene	ug/L	1.0 U	9.9	10.1	9.6	10.2	97	101	39-117	6	25	
Benzo(b)fluoranthene	ug/L	1.0 U	9.9	10.1	11.2	10.0	113	100	33-147	11	25	
Benzo(g,h,i)perylene	ug/L	1.0 U	9.9	10.1	9.0	9.5	91	94	10-124	5	25	
Benzo(k)fluoranthene	ug/L	1.0 U	9.9	10.1	7.4	8.2	75	82	44-130	10	25	
Biphenyl (Diphenyl)	ug/L	1.0 U	9.9	10.1	5.9	6.4	60	64	10-95	8	25	
bis(2-Chloroethoxy)methane	ug/L	1.0 U	9.9	10.1	8.2	8.9	82	88	10-99	9	25	
bis(2-Chloroethyl) ether	ug/L	1.0 U	9.9	10.1	7.3	8.0	74	79	10-108	9	25	
bis(2-Chloroisopropyl) ether	ug/L	1.0 U	9.9	10.1	7.5	8.1	76	81	10-110	8	25	
bis(2-Ethylhexyl)phthalate	ug/L	2.3	9.9	10.1	11.6	11.4	94	91	43-136	2	25	
Caprolactam	ug/L	2.5 U	9.9	10.1	2.3J	2.3J	23	23	10-40		25	
Carbazole	ug/L	1.0 U	9.9	10.1	8.4	8.5	85	84	50-114	0	25	
Chrysene	ug/L	1.0 U	9.9	10.1	9.9	10.1	100	101	44-121	3	25	
Di-n-butylphthalate	ug/L	1.0 U	9.9	10.1	10.3	10.5	102	103	50-123	2	25	
Di-n-octylphthalate	ug/L	0.82J	9.9	10.1	10.9	11.2	101	104	27-164	3	25	
Dibenz(a,h)anthracene	ug/L	1.0 U	9.9	10.1	10.4	10.9	105	109	11-127	5	25	
Diethylphthalate	ug/L	1.0 U	9.9	10.1	9.5	10	96	99	38-122	4	25	
Fluoranthene	ug/L	1.0 U	9.9	10.1	9.6	9.9	97	99	39-124	3	25	
Fluorene	ug/L	1.0 U	9.9	10.1	8.0	8.5	81	85	23-111	6	25	
Hexachloro-1,3-butadiene	ug/L	1.0 U	9.9	10.1	4.4	4.9	44	48	10-99	11	25	
Hexachlorobenzene	ug/L	1.0 U	9.9	10.1	8.1	8.6	82	86	34-114	6	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1861220 1861221

Parameter	Units	30350093001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Hexachlorocyclopentadiene	ug/L	1.0 U	9.9	10.1	4.4	5.0	45	50	10-65	12	25	
Hexachloroethane	ug/L	1.0 U	9.9	10.1	4.1	4.5	41	45	10-128	10	25	
Indeno(1,2,3-cd)pyrene	ug/L	1.0 U	9.9	10.1	10.2	10.6	103	105	11-126	3	25	
Isophorone	ug/L	1.0 U	9.9	10.1	8.9	9.7	90	97	10-102	9	25	
N-Nitroso-di-n-propylamine	ug/L	1.0 U	9.9	10.1	8.4	9.3	85	92	10-124	9	25	
N-Nitrosodiphenylamine	ug/L	1.0 U	9.9	10.1	8.2	8.3	83	83	10-110	1	25	
Naphthalene	ug/L	1.0 U	9.9	10.1	6.4	7.0	64	70	10-84	10	25	
Nitrobenzene	ug/L	1.0 U	9.9	10.1	7.5	8.2	76	82	11-114	9	25	
Pentachlorophenol	ug/L	2.5 U	9.9	10.1	10.4	11.1	105	110	10-175	6	25	
Phenanthrene	ug/L	1.0 U	9.9	10.1	8.8	9.3	89	93	34-117	6	25	
Phenol	ug/L	1.0 U	9.9	10.1	3.0	3.3	30	32	10-46	9	25	
Pyrene	ug/L	1.0 U	9.9	10.1	9.9	10.4	100	103	35-127	4	25	
2,4,6-Tribromophenol (S)	%.						74	75	10-140			
2-Fluorobiphenyl (S)	%.						63	65	10-135			
2-Fluorophenol (S)	%.						33	35	10-142			
Nitrobenzene-d5 (S)	%.						62	67	10-140			
Phenol-d6 (S)	%.						23	24	10-145			
Terphenyl-d14 (S)	%.						74	75	10-128			

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

QC Batch: 383956 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 30349543003

METHOD BLANK: 1860549 Matrix: Water
Associated Lab Samples: 30349543003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Oil and Grease	ug/L	4750 U	4750	923	02/14/20 13:02	

LABORATORY CONTROL SAMPLE: 1860550

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	ug/L	40000	42200	105	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1860551 1860552

Parameter	Units	30349879002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil and Grease	ug/L	ND	40000	40000	23200	23600	55	56	78-114	2	18	ML

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

QC Batch: 383483 Analysis Method: EPA 7196A
QC Batch Method: EPA 7196A Analysis Description: 7196 Chromium, Hexavalent
Associated Lab Samples: 30349543003

METHOD BLANK: 1858404 Matrix: Water
Associated Lab Samples: 30349543003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chromium, Hexavalent	ug/L	10.0 U	10.0	2.4	02/12/20 07:52	2c

LABORATORY CONTROL SAMPLE & LCSD: 1858405 1858406

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chromium, Hexavalent	ug/L	250	247	241	99	97	85-115	2	20	2c

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

QC Batch: 383659 Analysis Method: EPA 7196A
QC Batch Method: EPA 7196A Analysis Description: 7196 Chromium, Hexavalent
Associated Lab Samples: 30349543006

METHOD BLANK: 1859160 Matrix: Water
Associated Lab Samples: 30349543006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chromium, Hexavalent	ug/L	10.0 U	10.0	2.4	02/12/20 19:02	3c

LABORATORY CONTROL SAMPLE & LCSD: 1859161 1859162

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chromium, Hexavalent	ug/L	250	241	252	97	101	85-115	4	20	3c

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

QC Batch: 383717 Analysis Method: EPA 9012B
QC Batch Method: EPA 9012B Analysis Description: 9012B Cyanide, Total
Associated Lab Samples: 30349543003

METHOD BLANK: 1859360 Matrix: Water
Associated Lab Samples: 30349543003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Cyanide	mg/L	0.010 U	0.010	0.0046	02/13/20 16:52	

LABORATORY CONTROL SAMPLE: 1859361

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	0.2	0.20	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1859362 1859363

Parameter	Units	30349543003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	0.0073J	0.1	0.1	0.10	0.10	97	95	90-110	2	20	

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QUALITY CONTROL DATA

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

QC Batch: 383720 Analysis Method: ASTM D7237-10
QC Batch Method: ASTM D7237-10 Analysis Description: ASTM D7237-10, Free Cyanide
Associated Lab Samples: 30349543003

METHOD BLANK: 1859376 Matrix: Water
Associated Lab Samples: 30349543003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Free Cyanide pH 6	mg/L	0.010 U	0.010	0.0012	02/13/20 12:09	

LABORATORY CONTROL SAMPLE: 1859377

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Free Cyanide pH 6	mg/L	0.2	0.20	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1859378 1859379

Parameter	Units	30349543003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Free Cyanide pH 6	mg/L	0.010 U	0.1	0.1	0.10	0.10	101	105	90-110	3	20	

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QUALIFIERS

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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TNI - The NELAC Institute.

LABORATORIES

PASI-PA	Pace Analytical Services - Greensburg

BATCH QUALIFIERS

Batch: 383483

[1]	Due to limited sample volume, for MS/MSD, LCSD was analyzed.

Batch: 383659

[1]	Due to limted volume for MS/MSD, LCSD was analyzed

Batch: 384083

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 384216

[1]	The PDS failed for Cd and Ag

Batch: 384217

[1]	The PDS failed for Ag

ANALYTE QUALIFIERS

1c	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
2c	Due to limited sample volume, for MS/MSD, LCSD was analyzed.
3c	Due to limted volume for MS/MSD, LCSD was analyzed
4c	Sample filtered in lab at client's request

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QUALIFIERS

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

ANALYTE QUALIFIERS

5c	The PDS failed for Ag
6c	The PDS failed for Cd and Ag
7c	The PDS recovery was outside of the laboratory control limits. Result may be biased high
8c	The read back of the low concentration calibration standard for this compound is not within 30% of the true value. The results may be biased low and should be considered estimated
B	Analyte was detected in the associated method blank.
H1	Analysis conducted outside the EPA method holding time.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
SR	Surrogate recovery was below laboratory control limits. Results may be biased low.
ST	Surrogate recovery was above laboratory control limits. Results may be biased high.

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM Sampling-Revised Report
Pace Project No.: 30349543

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30349543003	**CO26-PZM032**	EPA 3005A	384105	EPA 6010C	384217
30349543003	**CO26-PZM032**	EPA 3005A	384104	EPA 6010C	384216
30349543003	**CO26-PZM032**	EPA 7470A	384133	EPA 7470A	384218
30349543003	**CO26-PZM032**	EPA 7470A	384135	EPA 7470A	384219
30349543003	**CO26-PZM032**	EPA 3510C	384083	EPA 8270D by SIM	384142
30349543003	**CO26-PZM032**	EPA 3510C	384082	EPA 8270D	384144
30349543001	**Trip Blank**	EPA 8260B	383756		
30349543003	**CO26-PZM032**	EPA 1664A	383956		
30349543003	**CO26-PZM032**	EPA 7196A	383483		
30349543006	**CO26-PZM032 (dissolved)**	EPA 7196A	383659		
30349543003	**CO26-PZM032**	EPA 9012B	383717	EPA 9012B	383803
30349543003	**CO26-PZM032**	ASTM D7237-10	383720		

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WO# : 30349543

30349543

A Client Information:	Section B Required Project Information:	Section C Invoice Information:
EnviroAnalytics Group	Report To: James Calenda	Attention: Laura Sargent
1600 Sparrows Point Blvd, Suite B2	Copy To: Stewart Kabis	Company Name: EnviroAnalytics Group
Sparrows Point, MD 21219		Address: 1650 Des Peres Road, Suite 303 St. Louis, MO 63131
jcalenda@enviroanalyticsgroup.com	Purchase Order No.: EAG-SPT-6989	Pace Quote Reference:
314-620-3056 Fax:	Project Name: COA IM GW Sampling	Pace Project Manager: Samantha Bayura
d Due Date/TAT: 5 Day	Project Number:	Pace Profile #:

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MD

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	VOC + NAPH by 8260	total 6010 metals + mercury	dissolved 6010 metals + mercury	hex chro total	hex chro Dissolve	SVOCs + PAHs	cyanide + free cyanide	OTG	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
Trip Blank	WT				2/11/2020			2				2						X									001
C026-PZM007	↓	G			↓	0925		3				3						X									002
C026-PZM032	↓	↓			↓	1010		11	4		2	4	1					X	X	X	X	X	X	X	X		003
C058-PZM001	↓	↓			↓	1115		3				3						X									004
C057-PZP002	↓	↓			↓	1240		3				3						X									005

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature]	2/11/20	1515	David L Hillegan / Pace	02/11/20	15:55				
	David L Hillegan / Pace	02/11/20	1905	[signature]	2-11-20	1905				
	[signature]	2-11-20	2220	Marion L Clay	2-11-20	2220	1.6	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Leandra M Glumac

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 02/11/2020

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Enviro Analytics Group Project # #_30349543

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____

Label mlc
LIMS Login mlc

Tracking #: N/A

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Thermometer Used 10 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 1.6 °C Correction Factor: 0 °C Final Temp: 1.6 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# 100391 / Date and Initials of person examining contents: mlc 2/12/20
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:	✓			8.
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓ ✓			10.
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: (VOA), coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix	✓			16.
All containers meet method preservation requirements.	✓			Initial when completed mlc / Date/time of preservation / Lot # of added preservative
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:	✓			18.
Trip Blank Custody Seals Present	✓			
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed: / Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

February 19, 2020

Mr. James Calenda
EnviroAnalytics Group, LLC
1600 Sparrows Point Blvd
Suite B2
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30349736

Dear Mr. Calenda:
Enclosed are the analytical results for sample(s) received by the laboratory on February 11, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30349736

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Florida: Cert E871149 SEKS WET
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30349736

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30349736001	**Trip Blank**	Water	02/11/20 00:01	02/11/20 22:20
30349736002	**C026-PZM007**	Water	02/11/20 09:25	02/11/20 22:20
30349736003	**C058-PZM001**	Water	02/11/20 11:15	02/11/20 22:20
30349736004	**C057-PZP002**	Water	02/11/20 12:40	02/11/20 22:20

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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30349736

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30349736001	**Trip Blank**	EPA 8260B	KAC	53	PASI-PA
30349736002	**C026-PZM007**	EPA 8260B	KAC	53	PASI-PA
30349736003	**C058-PZM001**	EPA 8260B	KAC	53	PASI-PA
30349736004	**C057-PZP002**	EPA 8260B	KAC	53	PASI-PA

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30349736

Sample: Trip Blank **Lab ID: 30349736001** Collected: 02/11/20 00:01 Received: 02/11/20 22:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/13/20 15:20	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/13/20 15:20	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/13/20 15:20	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/13/20 15:20	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/13/20 15:20	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/13/20 15:20	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/13/20 15:20	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/13/20 15:20	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/13/20 15:20	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/13/20 15:20	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/13/20 15:20	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/13/20 15:20	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/13/20 15:20	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/13/20 15:20	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/13/20 15:20	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/13/20 15:20	108-10-1	
Acetone	**9.6J**	ug/L	10.0	5.6	1		02/13/20 15:20	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/13/20 15:20	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		02/13/20 15:20	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/13/20 15:20	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/13/20 15:20	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/13/20 15:20	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/13/20 15:20	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/13/20 15:20	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/13/20 15:20	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/13/20 15:20	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/13/20 15:20	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/13/20 15:20	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/13/20 15:20	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/13/20 15:20	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/13/20 15:20	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		02/13/20 15:20	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/13/20 15:20	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/13/20 15:20	1634-04-4	
Methylene Chloride	**3.0**	ug/L	1.0	0.64	1		02/13/20 15:20	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		02/13/20 15:20	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		02/13/20 15:20	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/13/20 15:20	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		02/13/20 15:20	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/13/20 15:20	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/13/20 15:20	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/13/20 15:20	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/13/20 15:20	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		02/13/20 15:20	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/13/20 15:20	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/13/20 15:20	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30349736

Sample: Trip Blank **Lab ID: 30349736001** Collected: 02/11/20 00:01 Received: 02/11/20 22:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/13/20 15:20	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/13/20 15:20	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/13/20 15:20	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		02/13/20 15:20	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		1		02/13/20 15:20	17060-07-0	
Toluene-d8 (S)	98	%.	70-130		1		02/13/20 15:20	2037-26-5	
Dibromofluoromethane (S)	95	%.	70-130		1		02/13/20 15:20	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30349736

Sample: C026-PZM007 **Lab ID: 30349736002** Collected: 02/11/20 09:25 Received: 02/11/20 22:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/13/20 19:03	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/13/20 19:03	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/13/20 19:03	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/13/20 19:03	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/13/20 19:03	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/13/20 19:03	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/13/20 19:03	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/13/20 19:03	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/13/20 19:03	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/13/20 19:03	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/13/20 19:03	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/13/20 19:03	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/13/20 19:03	106-46-7	
2-Butanone (MEK)	**2.8J**	ug/L	10.0	1.5	1		02/13/20 19:03	78-93-3	
2-Hexanone	**2.4J**	ug/L	10.0	0.58	1		02/13/20 19:03	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/13/20 19:03	108-10-1	
Acetone	**11.0**	ug/L	10.0	5.6	1		02/13/20 19:03	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/13/20 19:03	107-13-1	
Benzene	**3.4**	ug/L	1.0	0.34	1		02/13/20 19:03	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/13/20 19:03	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/13/20 19:03	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/13/20 19:03	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/13/20 19:03	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/13/20 19:03	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/13/20 19:03	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/13/20 19:03	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/13/20 19:03	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/13/20 19:03	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/13/20 19:03	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/13/20 19:03	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/13/20 19:03	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		02/13/20 19:03	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/13/20 19:03	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/13/20 19:03	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/13/20 19:03	75-09-2	
Naphthalene	**43.7**	ug/L	2.0	0.82	1		02/13/20 19:03	91-20-3	
Styrene	**0.75J**	ug/L	1.0	0.33	1		02/13/20 19:03	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/13/20 19:03	127-18-4	
Toluene	**1.1**	ug/L	1.0	0.32	1		02/13/20 19:03	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/13/20 19:03	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/13/20 19:03	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/13/20 19:03	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/13/20 19:03	75-01-4	
Xylene (Total)	**4.0**	ug/L	3.0	1.4	1		02/13/20 19:03	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/13/20 19:03	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/13/20 19:03	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30349736

Sample: C026-PZM007 **Lab ID: 30349736002** Collected: 02/11/20 09:25 Received: 02/11/20 22:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/13/20 19:03	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/13/20 19:03	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/13/20 19:03	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		1		02/13/20 19:03	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		1		02/13/20 19:03	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		02/13/20 19:03	2037-26-5	
Dibromofluoromethane (S)	96	%.	70-130		1		02/13/20 19:03	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30349736

Sample: C058-PZM001 **Lab ID: 30349736003** Collected: 02/11/20 11:15 Received: 02/11/20 22:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/13/20 19:52	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/13/20 19:52	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/13/20 19:52	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/13/20 19:52	79-00-5	
1,1-Dichloroethane	**0.37J**	ug/L	1.0	0.24	1		02/13/20 19:52	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/13/20 19:52	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/13/20 19:52	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/13/20 19:52	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/13/20 19:52	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/13/20 19:52	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/13/20 19:52	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/13/20 19:52	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/13/20 19:52	106-46-7	
2-Butanone (MEK)	**4.1J**	ug/L	10.0	1.5	1		02/13/20 19:52	78-93-3	
2-Hexanone	**2.8J**	ug/L	10.0	0.58	1		02/13/20 19:52	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/13/20 19:52	108-10-1	
Acetone	**15.8**	ug/L	10.0	5.6	1		02/13/20 19:52	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/13/20 19:52	107-13-1	
Benzene	**189**	ug/L	1.0	0.34	1		02/13/20 19:52	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/13/20 19:52	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/13/20 19:52	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/13/20 19:52	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/13/20 19:52	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/13/20 19:52	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/13/20 19:52	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/13/20 19:52	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/13/20 19:52	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/13/20 19:52	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/13/20 19:52	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/13/20 19:52	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/13/20 19:52	74-95-3	
Ethylbenzene	**8.9**	ug/L	1.0	0.40	1		02/13/20 19:52	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/13/20 19:52	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/13/20 19:52	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/13/20 19:52	75-09-2	
Naphthalene	**3060**	ug/L	40.0	16.4	20		02/13/20 20:17	91-20-3	
Styrene	**21.1**	ug/L	1.0	0.33	1		02/13/20 19:52	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/13/20 19:52	127-18-4	
Toluene	**75.6**	ug/L	1.0	0.32	1		02/13/20 19:52	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/13/20 19:52	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/13/20 19:52	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/13/20 19:52	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/13/20 19:52	75-01-4	
Xylene (Total)	**142**	ug/L	3.0	1.4	1		02/13/20 19:52	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/13/20 19:52	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/13/20 19:52	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30349736

Sample: C058-PZM001 **Lab ID: 30349736003** Collected: 02/11/20 11:15 Received: 02/11/20 22:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/13/20 19:52	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/13/20 19:52	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/13/20 19:52	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		1		02/13/20 19:52	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		1		02/13/20 19:52	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		1		02/13/20 19:52	2037-26-5	
Dibromofluoromethane (S)	95	%.	70-130		1		02/13/20 19:52	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30349736

Sample: C057-PZP002 **Lab ID: 30349736004** Collected: 02/11/20 12:40 Received: 02/11/20 22:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/13/20 18:38	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/13/20 18:38	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/13/20 18:38	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/13/20 18:38	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/13/20 18:38	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/13/20 18:38	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/13/20 18:38	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/13/20 18:38	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/13/20 18:38	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/13/20 18:38	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/13/20 18:38	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/13/20 18:38	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/13/20 18:38	106-46-7	
2-Butanone (MEK)	**2.6J**	ug/L	10.0	1.5	1		02/13/20 18:38	78-93-3	
2-Hexanone	**1.7J**	ug/L	10.0	0.58	1		02/13/20 18:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/13/20 18:38	108-10-1	
Acetone	**7.8J**	ug/L	10.0	5.6	1		02/13/20 18:38	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/13/20 18:38	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		02/13/20 18:38	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/13/20 18:38	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/13/20 18:38	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/13/20 18:38	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/13/20 18:38	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/13/20 18:38	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/13/20 18:38	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/13/20 18:38	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/13/20 18:38	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/13/20 18:38	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/13/20 18:38	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/13/20 18:38	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/13/20 18:38	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		02/13/20 18:38	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/13/20 18:38	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/13/20 18:38	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/13/20 18:38	75-09-2	
Naphthalene	**2.1**	ug/L	2.0	0.82	1		02/13/20 18:38	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		02/13/20 18:38	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/13/20 18:38	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		02/13/20 18:38	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/13/20 18:38	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/13/20 18:38	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/13/20 18:38	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/13/20 18:38	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		02/13/20 18:38	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/13/20 18:38	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/13/20 18:38	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30349736

Sample: C057-PZP002 **Lab ID: 30349736004** Collected: 02/11/20 12:40 Received: 02/11/20 22:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/13/20 18:38	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/13/20 18:38	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/13/20 18:38	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		02/13/20 18:38	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		1		02/13/20 18:38	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		02/13/20 18:38	2037-26-5	
Dibromofluoromethane (S)	98	%.	70-130		1		02/13/20 18:38	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30349736

QC Batch: 383756 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Associated Lab Samples: 30349736001, 30349736002, 30349736003, 30349736004

METHOD BLANK: 1859501 Matrix: Water
Associated Lab Samples: 30349736001, 30349736002, 30349736003, 30349736004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	02/13/20 12:51	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	02/13/20 12:51	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	02/13/20 12:51	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	02/13/20 12:51	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	02/13/20 12:51	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	02/13/20 12:51	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	02/13/20 12:51	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	02/13/20 12:51	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	02/13/20 12:51	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	02/13/20 12:51	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	02/13/20 12:51	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	02/13/20 12:51	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	02/13/20 12:51	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	02/13/20 12:51	
2-Hexanone	ug/L	10.0 U	10.0	0.58	02/13/20 12:51	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	02/13/20 12:51	
Acetone	ug/L	10.0 U	10.0	5.6	02/13/20 12:51	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	02/13/20 12:51	
Benzene	ug/L	1.0 U	1.0	0.34	02/13/20 12:51	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	02/13/20 12:51	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	02/13/20 12:51	
Bromoform	ug/L	1.0 U	1.0	0.56	02/13/20 12:51	
Bromomethane	ug/L	1.0 U	1.0	0.73	02/13/20 12:51	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	02/13/20 12:51	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	02/13/20 12:51	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	02/13/20 12:51	
Chloroethane	ug/L	1.0 U	1.0	0.64	02/13/20 12:51	
Chloroform	ug/L	1.0 U	1.0	0.39	02/13/20 12:51	
Chloromethane	ug/L	1.0 U	1.0	0.40	02/13/20 12:51	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	02/13/20 12:51	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	02/13/20 12:51	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	02/13/20 12:51	
Dibromomethane	ug/L	1.0 U	1.0	0.34	02/13/20 12:51	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	02/13/20 12:51	
Iodomethane	ug/L	50.0 U	50.0	0.52	02/13/20 12:51	
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	02/13/20 12:51	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	02/13/20 12:51	
Naphthalene	ug/L	2.0 U	2.0	0.82	02/13/20 12:51	
Styrene	ug/L	1.0 U	1.0	0.33	02/13/20 12:51	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	02/13/20 12:51	
Toluene	ug/L	1.0 U	1.0	0.32	02/13/20 12:51	

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REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30349736

METHOD BLANK: 1859501 Matrix: Water
Associated Lab Samples: 30349736001, 30349736002, 30349736003, 30349736004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	02/13/20 12:51	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	02/13/20 12:51	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	02/13/20 12:51	
Trichloroethene	ug/L	1.0 U	1.0	0.29	02/13/20 12:51	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	02/13/20 12:51	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	02/13/20 12:51	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	02/13/20 12:51	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	02/13/20 12:51	
1,2-Dichloroethane-d4 (S)	%.	104	70-130		02/13/20 12:51	
4-Bromofluorobenzene (S)	%.	102	70-130		02/13/20 12:51	
Dibromofluoromethane (S)	%.	96	70-130		02/13/20 12:51	
Toluene-d8 (S)	%.	99	70-130		02/13/20 12:51	

LABORATORY CONTROL SAMPLE: 1859502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.9	90	70-130	
1,1,1-Trichloroethane	ug/L	20	20.7	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.1	101	70-130	
1,1,2-Trichloroethane	ug/L	20	20.0	100	70-130	
1,1-Dichloroethane	ug/L	20	20.2	101	70-130	
1,1-Dichloroethene	ug/L	20	18.4	92	70-130	
1,2,3-Trichloropropane	ug/L	20	18.8	94	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	18.1	91	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	19.9	99	70-130	
1,2-Dichlorobenzene	ug/L	20	20.6	103	70-130	
1,2-Dichloroethane	ug/L	20	19.9	99	70-130	
1,2-Dichloropropane	ug/L	20	20.6	103	70-130	
1,4-Dichlorobenzene	ug/L	20	20.1	101	70-130	
2-Butanone (MEK)	ug/L	20	20.9	104	70-130	
2-Hexanone	ug/L	20	22.3	112	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	22.3	111	70-130	
Acetone	ug/L	20	21.9	110	67-173	
Acrylonitrile	ug/L	20	21.6	108	56-147	
Benzene	ug/L	20	20.7	104	70-130	
Bromochloromethane	ug/L	20	19.3	96	70-130	
Bromodichloromethane	ug/L	20	20.9	105	70-130	
Bromoform	ug/L	20	16.0	80	63-119	
Bromomethane	ug/L	20	15.1	75	24-159	
Carbon disulfide	ug/L	20	25.3	127	57-132	
Carbon tetrachloride	ug/L	20	19.6	98	70-130	
Chlorobenzene	ug/L	20	20.8	104	70-130	
Chloroethane	ug/L	20	18.0	90	62-145	
Chloroform	ug/L	20	19.0	95	70-130	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30349736

LABORATORY CONTROL SAMPLE: 1859502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	20	17.5	87	66-140	
cis-1,2-Dichloroethene	ug/L	20	19.7	98	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.7	104	70-130	
Dibromochloromethane	ug/L	20	19.3	96	70-130	
Dibromomethane	ug/L	20	17.8	89	70-130	
Ethylbenzene	ug/L	20	20.7	103	70-130	
Iodomethane	ug/L	20	16.7J	83	10-175	
Methyl-tert-butyl ether	ug/L	20	21.1	106	70-130	
Methylene Chloride	ug/L	20	21.4	107	70-130	
Naphthalene	ug/L	20	25.2	126	55-160	
Styrene	ug/L	20	21.1	106	70-130	
Tetrachloroethene	ug/L	20	19.7	99	70-130	
Toluene	ug/L	20	21.2	106	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.1	96	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.5	102	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	21.2	106	48-131	
Trichloroethene	ug/L	20	19.7	98	70-130	
Trichlorofluoromethane	ug/L	20	19.6	98	70-130	
Vinyl acetate	ug/L	20	18.3	91	33-128	
Vinyl chloride	ug/L	20	18.1	90	70-130	
Xylene (Total)	ug/L	60	61.9	103	70-130	
1,2-Dichloroethane-d4 (S)	%.			100	70-130	
4-Bromofluorobenzene (S)	%.			101	70-130	
Dibromofluoromethane (S)	%.			96	70-130	
Toluene-d8 (S)	%.			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1859503 1859504

Parameter	Units	30349739001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	15.9	14.7	80	73	59-117	8	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	19.3	17.9	97	89	55-146	8	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	18.2	16.3	91	81	55-118	11	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	17.9	15.9	89	80	61-122	11	30	
1,1-Dichloroethane	ug/L	ND	20	20	19.3	17.3	96	86	59-130	11	30	
1,1-Dichloroethene	ug/L	ND	20	20	18.1	16.1	90	80	52-119	12	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	16.9	15.4	84	77	59-117	9	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	15.4	13.8	77	69	32-112	11	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	17.9	15.9	89	80	61-116	12	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	17.1	16.1	86	81	58-126	6	30	
1,2-Dichloroethane	ug/L	ND	20	20	18.3	16.8	92	84	49-135	9	30	
1,2-Dichloropropane	ug/L	ND	20	20	19.0	17.5	95	87	67-121	8	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	16.9	15.8	84	79	60-121	6	30	
2-Butanone (MEK)	ug/L	ND	20	20	17.5	17.8	88	89	59-138	1	30	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30349736

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1859503 1859504

Parameter	Units	30349739001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Hexanone	ug/L	ND	20	20	20.3	18.8	101	94	66-123	8	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	19.8	19.2	99	96	70-130	3	30	
Acetone	ug/L	ND	20	20	20.3	18.4	86	76	57-140	10	30	
Acrylonitrile	ug/L	ND	20	20	17.2	18.7	86	93	47-134	8	30	
Benzene	ug/L	ND	20	20	19.3	17.5	97	88	50-149	10	30	
Bromochloromethane	ug/L	ND	20	20	17.5	16.3	87	81	63-120	7	30	
Bromodichloromethane	ug/L	ND	20	20	18.9	17.1	94	86	46-131	10	30	
Bromoform	ug/L	ND	20	20	13.5	12.2	67	61	30-119	10	30	
Bromomethane	ug/L	ND	20	20	14.0	14.8	70	74	10-163	6	30	
Carbon disulfide	ug/L	ND	20	20	21.6	22.0	108	110	41-116	2	30	
Carbon tetrachloride	ug/L	ND	20	20	17.1	16.4	86	82	55-119	4	30	
Chlorobenzene	ug/L	ND	20	20	18.4	16.9	92	84	66-124	9	30	
Chloroethane	ug/L	ND	20	20	16.8	17.9	84	89	45-162	6	30	
Chloroform	ug/L	ND	20	20	18.1	15.8	90	79	56-123	13	30	
Chloromethane	ug/L	ND	20	20	14.5	15.2	72	76	49-150	5	30	
cis-1,2-Dichloroethene	ug/L	ND	20	20	18.4	17.0	92	85	63-116	8	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	17.8	16.4	89	82	46-119	8	30	
Dibromochloromethane	ug/L	ND	20	20	16.3	15.0	81	75	42-120	8	30	
Dibromomethane	ug/L	ND	20	20	16.3	15.1	81	76	55-117	8	30	
Ethylbenzene	ug/L	ND	20	20	18.8	17.1	94	86	63-135	9	30	
Iodomethane	ug/L	ND	20	20	18.8J	19.6J	94	98	10-175		30	
Methyl-tert-butyl ether	ug/L	ND	20	20	17.8	18.0	87	88	53-123	1	30	
Methylene Chloride	ug/L	ND	20	20	18.2	16.5	91	82	57-132	10	30	
Naphthalene	ug/L	ND	20	20	19.8	17.9	99	90	30-157	10	30	
Styrene	ug/L	ND	20	20	18.8	16.8	94	84	58-130	11	30	
Tetrachloroethene	ug/L	ND	20	20	17.8	16.5	89	82	61-132	8	30	
Toluene	ug/L	ND	20	20	19.0	17.4	95	87	59-139	9	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	18.4	17.4	92	87	60-124	6	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	18.7	16.2	94	81	48-121	14	30	
trans-1,4-Dichloro-2-butene	ug/L	ND	20	20	17.3	17.1	86	86	10-111	1	30	
Trichloroethene	ug/L	ND	20	20	17.9	16.3	89	81	63-128	9	30	
Trichlorofluoromethane	ug/L	ND	20	20	18.0	19.5	90	97	70-152	8	30	
Vinyl acetate	ug/L	ND	20	20	16.1	17.5	81	88	23-102	8	30	
Vinyl chloride	ug/L	ND	20	20	16.3	17.4	81	87	67-141	7	30	
Xylene (Total)	ug/L	ND	60	60	55.8	50.6	93	84	63-135	10	30	
1,2-Dichloroethane-d4 (S)	%.						101	102	70-130			
4-Bromofluorobenzene (S)	%.						101	98	70-130			
Dibromofluoromethane (S)	%.						99	100	70-130			
Toluene-d8 (S)	%.						103	102	70-130			

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30349736

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30349736

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30349736001	**Trip Blank**	EPA 8260B	383756		
30349736002	**C026-PZM007**	EPA 8260B	383756		
30349736003	**C058-PZM001**	EPA 8260B	383756		
30349736004	**C057-PZP002**	EPA 8260B	383756		

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www.pacelabs.com

WO# : 30349736

30349736

Section A — Client Information:
EnviroAnalytics Group
1600 Sparrows Point Blvd, Suite B2
Sparrows Point, MD 21219
jcalenda@enviroanalyticsgroup.com
314-620-3056 | Fax:
Due Date/TAT: 5 Day

Section B — Required Project Information:
Report To: James Calenda
Copy To: Stewart Kabis
Purchase Order No.: EAG-SPT-6989
Project Name: COA IM GW Sampling
Project Number:

Section C — Invoice Information:
Attention: Laura Sargent
Company Name: EnviroAnalytics Group
Address: 1650 Des Peres Road, Suite 303 St. Louis, MO 63131
Pace Quote Reference:
Pace Project Manager: Samantha Bayura
Pace Profile #:

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MD

Section D — Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOC + NAPH by 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
Trip Blank	WT				2/11/2020			2				2						X		001
C026-PZM007	WT	G				0925		3				3						X		002
~~C026-PZM032~~						1010		11	4		2	4	1					X		~~MS 2/12/20~~
C058-PZM001						1115		3				3						X		003
C057-PZP002						1240		3				3						X		004

Analysis Test: VOC + NAPH by 8260; total lead; total chromium; total mercury; total iron; hex chrom dissolve; SVOCs + PAHs; cyanide, total; 8015 GRO

MS 2/12/20

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	[signature]	2/11/20	1515	Dwight Hilleman Pace	2/11/20	15:55
	David Hilleman / Pace	02/11/20	0905	Bill Corbishley	2-11-20	1905
	Bill Corbishley 2-11-20		2320	Marion L Clay	2-11-20	2220
				MC 2/12/20		

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
1.6	Y	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Leandra M Glumac
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 02/11/2020

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

30349736
~~30349543~~

Pace Analytical

Client Name: Enviro Analytics Group Project #

MJ 2/12/20

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other

Label MLC
LIMS Login MLC

Tracking #: N/A

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Thermometer Used 10 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 1.6 °C Correction Factor: 0 °C Final Temp: 1.6 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# 100391 / Date and initials of person examining contents: MLC 2/12/20
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:	✓			8.
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓ ✓			10.
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: (VOA), coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix	✓			16.
All containers meet method preservation requirements.	✓			Initial when completed MLC / Date/time of preservation / Lot # of added preservative
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:	✓			18.
Trip Blank Custody Seals Present	✓			
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed: / Date:

Client Notification/ Resolution:

~~Person Contacted:~~ _____ ~~Date/Time:~~ _____ ~~Contacted By:~~ _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

February 21, 2020

Mr. James Calenda
EnviroAnalytics Group, LLC
1600 Sparrows Point Blvd
Suite B2
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30350015

Dear Mr. Calenda:
Enclosed are the analytical results for sample(s) received by the laboratory on February 13, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Florida: Cert E871149 SEKS WET
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30350015

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30350015001	**Trip Blank**	Water	02/13/20 00:01	02/13/20 22:45
30350015002	**CO61-PZM007**	Water	02/13/20 09:30	02/13/20 22:45
30350015003	**CO62-PZM007**	Water	02/13/20 10:20	02/13/20 22:45
30350015004	**CO63-PZM007**	Water	02/13/20 10:50	02/13/20 22:45
30350015005	**CO64-PZM006**	Water	02/13/20 11:20	02/13/20 22:45
30350015006	**CO65-PZM005**	Water	02/13/20 11:50	02/13/20 22:45
30350015007	**CO66-PZM005**	Water	02/13/20 12:20	02/13/20 22:45
30350015008	**CO67-PZM006**	Water	02/13/20 12:40	02/13/20 22:45
30350015009	**CO68-PZM005**	Water	02/13/20 13:00	02/13/20 22:45
30350015010	**CO69-PZM005**	Water	02/13/20 13:20	02/13/20 22:45
30350015011	**CO70-PZM005**	Water	02/13/20 13:40	02/13/20 22:45
30350015012	**CO71-PZM006**	Water	02/13/20 14:00	02/13/20 22:45
30350015013	**CO72-PZM005**	Water	02/13/20 14:30	02/13/20 22:45

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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30350015

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30350015001	**Trip Blank**	EPA 8260B	KAC	53	PASI-PA
30350015002	**CO61-PZM007**	EPA 8260B	KAC	53	PASI-PA
30350015003	**CO62-PZM007**	EPA 8260B	KAC	53	PASI-PA
30350015004	**CO63-PZM007**	EPA 8260B	KAC	53	PASI-PA
30350015005	**CO64-PZM006**	EPA 8260B	KAC	53	PASI-PA
30350015006	**CO65-PZM005**	EPA 8260B	KAC	53	PASI-PA
30350015007	**CO66-PZM005**	EPA 8260B	KAC	53	PASI-PA
30350015008	**CO67-PZM006**	EPA 8260B	KAC	53	PASI-PA
30350015009	**CO68-PZM005**	EPA 8260B	KAC	53	PASI-PA
30350015010	**CO69-PZM005**	EPA 8260B	KAC	53	PASI-PA
30350015011	**CO70-PZM005**	EPA 8260B	KAC	53	PASI-PA
30350015012	**CO71-PZM006**	EPA 8260B	KAC	53	PASI-PA
30350015013	**CO72-PZM005**	EPA 8260B	KAC	53	PASI-PA

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: Trip Blank **Lab ID: 30350015001** Collected: 02/13/20 00:01 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/19/20 15:13	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 15:13	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/19/20 15:13	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 15:13	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/19/20 15:13	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/19/20 15:13	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/19/20 15:13	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/19/20 15:13	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 15:13	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 15:13	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 15:13	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 15:13	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 15:13	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/19/20 15:13	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/19/20 15:13	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/19/20 15:13	108-10-1	
Acetone	**9.6J**	ug/L	10.0	5.6	1		02/19/20 15:13	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/19/20 15:13	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		02/19/20 15:13	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 15:13	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/19/20 15:13	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/19/20 15:13	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/19/20 15:13	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 15:13	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 15:13	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/19/20 15:13	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/19/20 15:13	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 15:13	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/19/20 15:13	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/19/20 15:13	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/19/20 15:13	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		02/19/20 15:13	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/19/20 15:13	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/19/20 15:13	1634-04-4	
Methylene Chloride	**2.5**	ug/L	1.0	0.64	1		02/19/20 15:13	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		02/19/20 15:13	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 15:13	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 15:13	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 15:13	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 15:13	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/19/20 15:13	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/19/20 15:13	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 15:13	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		02/19/20 15:13	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 15:13	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 15:13	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: Trip Blank **Lab ID: 30350015001** Collected: 02/13/20 00:01 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 15:13	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 15:13	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/19/20 15:13	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		1		02/19/20 15:13	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		1		02/19/20 15:13	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		1		02/19/20 15:13	2037-26-5	
Dibromofluoromethane (S)	94	%.	70-130		1		02/19/20 15:13	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO61-PZM007 **Lab ID: 30350015002** Collected: 02/13/20 09:30 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/19/20 16:52	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 16:52	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/19/20 16:52	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 16:52	79-00-5	
1,1-Dichloroethane	**0.32J**	ug/L	1.0	0.24	1		02/19/20 16:52	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/19/20 16:52	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/19/20 16:52	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/19/20 16:52	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 16:52	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 16:52	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 16:52	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 16:52	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 16:52	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/19/20 16:52	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/19/20 16:52	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/19/20 16:52	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		02/19/20 16:52	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/19/20 16:52	107-13-1	
Benzene	**389**	ug/L	10.0	3.4	10		02/19/20 17:04	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 16:52	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/19/20 16:52	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/19/20 16:52	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/19/20 16:52	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 16:52	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 16:52	56-23-5	
Chlorobenzene	**0.46J**	ug/L	1.0	0.26	1		02/19/20 16:52	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/19/20 16:52	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 16:52	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/19/20 16:52	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/19/20 16:52	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/19/20 16:52	74-95-3	
Ethylbenzene	**22.8**	ug/L	1.0	0.40	1		02/19/20 16:52	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/19/20 16:52	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/19/20 16:52	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/19/20 16:52	75-09-2	
Naphthalene	**2430**	ug/L	20.0	8.2	10		02/19/20 17:04	91-20-3	
Styrene	**29.5**	ug/L	1.0	0.33	1		02/19/20 16:52	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 16:52	127-18-4	
Toluene	**183**	ug/L	1.0	0.32	1		02/19/20 16:52	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 16:52	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/19/20 16:52	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/19/20 16:52	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 16:52	75-01-4	
Xylene (Total)	**341**	ug/L	3.0	1.4	1		02/19/20 16:52	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 16:52	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 16:52	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO61-PZM007 **Lab ID: 30350015002** Collected: 02/13/20 09:30 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 16:52	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 16:52	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/19/20 16:52	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		1		02/19/20 16:52	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%.	70-130		1		02/19/20 16:52	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		02/19/20 16:52	2037-26-5	
Dibromofluoromethane (S)	96	%.	70-130		1		02/19/20 16:52	1868-53-7	

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO62-PZM007 **Lab ID: 30350015003** Collected: 02/13/20 10:20 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/19/20 18:06	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 18:06	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/19/20 18:06	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 18:06	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/19/20 18:06	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/19/20 18:06	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/19/20 18:06	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/19/20 18:06	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 18:06	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 18:06	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 18:06	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 18:06	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 18:06	106-46-7	
2-Butanone (MEK)	**302**	ug/L	10.0	1.5	1		02/19/20 18:06	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/19/20 18:06	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/19/20 18:06	108-10-1	
Acetone	**488**	ug/L	200	112	20		02/19/20 18:18	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/19/20 18:06	107-13-1	
Benzene	**0.77J**	ug/L	1.0	0.34	1		02/19/20 18:06	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 18:06	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/19/20 18:06	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/19/20 18:06	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/19/20 18:06	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 18:06	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 18:06	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/19/20 18:06	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/19/20 18:06	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 18:06	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/19/20 18:06	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/19/20 18:06	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/19/20 18:06	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		02/19/20 18:06	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/19/20 18:06	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/19/20 18:06	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/19/20 18:06	75-09-2	
Naphthalene	**151**	ug/L	2.0	0.82	1		02/19/20 18:06	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 18:06	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 18:06	127-18-4	
Toluene	**0.36J**	ug/L	1.0	0.32	1		02/19/20 18:06	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 18:06	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/19/20 18:06	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/19/20 18:06	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 18:06	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		02/19/20 18:06	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 18:06	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 18:06	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO62-PZM007 **Lab ID: 30350015003** Collected: 02/13/20 10:20 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 18:06	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 18:06	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/19/20 18:06	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%.	70-130		1		02/19/20 18:06	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130		1		02/19/20 18:06	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		1		02/19/20 18:06	2037-26-5	
Dibromofluoromethane (S)	97	%.	70-130		1		02/19/20 18:06	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO63-PZM007 **Lab ID: 30350015004** Collected: 02/13/20 10:50 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/19/20 20:09	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/19/20 20:09	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/19/20 20:09	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/19/20 20:09	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/19/20 20:09	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/19/20 20:09	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/19/20 20:09	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/19/20 20:09	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/19/20 20:09	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/19/20 20:09	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/19/20 20:09	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 20:09	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/19/20 20:09	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/19/20 20:09	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/19/20 20:09	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/19/20 20:09	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		02/19/20 20:09	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/19/20 20:09	107-13-1	
Benzene	**340**	ug/L	5.0	1.7	5		02/19/20 20:09	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/19/20 20:09	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/19/20 20:09	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/19/20 20:09	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/19/20 20:09	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/19/20 20:09	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/19/20 20:09	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/19/20 20:09	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/19/20 20:09	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/19/20 20:09	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/19/20 20:09	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/19/20 20:09	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/19/20 20:09	74-95-3	
Ethylbenzene	**17.9**	ug/L	5.0	2.0	5		02/19/20 20:09	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/19/20 20:09	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/19/20 20:09	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		02/19/20 20:09	75-09-2	
Naphthalene	**4060**	ug/L	100	41.0	50		02/19/20 19:08	91-20-3	
Styrene	**71.8**	ug/L	5.0	1.6	5		02/19/20 20:09	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/19/20 20:09	127-18-4	
Toluene	**181**	ug/L	5.0	1.6	5		02/19/20 20:09	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/19/20 20:09	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/19/20 20:09	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/19/20 20:09	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 20:09	75-01-4	
Xylene (Total)	**353**	ug/L	15.0	6.8	5		02/19/20 20:09	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/19/20 20:09	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 20:09	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO63-PZM007 **Lab ID: 30350015004** Collected: 02/13/20 10:50 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 20:09	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/19/20 20:09	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/19/20 20:09	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		5		02/19/20 20:09	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130		5		02/19/20 20:09	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		5		02/19/20 20:09	2037-26-5	
Dibromofluoromethane (S)	95	%.	70-130		5		02/19/20 20:09	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO64-PZM006 **Lab ID: 30350015005** Collected: 02/13/20 11:20 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/19/20 20:35	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/19/20 20:35	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/19/20 20:35	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/19/20 20:35	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/19/20 20:35	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/19/20 20:35	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/19/20 20:35	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/19/20 20:35	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/19/20 20:35	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/19/20 20:35	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/19/20 20:35	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 20:35	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/19/20 20:35	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/19/20 20:35	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/19/20 20:35	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/19/20 20:35	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		02/19/20 20:35	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/19/20 20:35	107-13-1	
Benzene	**319**	ug/L	5.0	1.7	5		02/19/20 20:35	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/19/20 20:35	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/19/20 20:35	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/19/20 20:35	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/19/20 20:35	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/19/20 20:35	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/19/20 20:35	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/19/20 20:35	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/19/20 20:35	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/19/20 20:35	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/19/20 20:35	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/19/20 20:35	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/19/20 20:35	74-95-3	
Ethylbenzene	**16.7**	ug/L	5.0	2.0	5		02/19/20 20:35	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/19/20 20:35	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/19/20 20:35	1634-04-4	
Methylene Chloride	**4.3J**	ug/L	5.0	3.2	5		02/19/20 20:35	75-09-2	
Naphthalene	**3110**	ug/L	100	41.0	50		02/19/20 19:32	91-20-3	
Styrene	**66.9**	ug/L	5.0	1.6	5		02/19/20 20:35	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/19/20 20:35	127-18-4	
Toluene	**186**	ug/L	5.0	1.6	5		02/19/20 20:35	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/19/20 20:35	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/19/20 20:35	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/19/20 20:35	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 20:35	75-01-4	
Xylene (Total)	**331**	ug/L	15.0	6.8	5		02/19/20 20:35	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/19/20 20:35	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 20:35	10061-01-5	

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO64-PZM006 **Lab ID: 30350015005** Collected: 02/13/20 11:20 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 20:35	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/19/20 20:35	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/19/20 20:35	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		5		02/19/20 20:35	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%.	70-130		5		02/19/20 20:35	17060-07-0	
Toluene-d8 (S)	105	%.	70-130		5		02/19/20 20:35	2037-26-5	
Dibromofluoromethane (S)	94	%.	70-130		5		02/19/20 20:35	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO65-PZM005 **Lab ID: 30350015006** Collected: 02/13/20 11:50 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/19/20 20:59	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/19/20 20:59	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/19/20 20:59	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/19/20 20:59	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/19/20 20:59	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/19/20 20:59	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/19/20 20:59	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/19/20 20:59	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/19/20 20:59	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/19/20 20:59	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/19/20 20:59	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 20:59	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/19/20 20:59	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/19/20 20:59	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/19/20 20:59	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/19/20 20:59	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		02/19/20 20:59	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/19/20 20:59	107-13-1	
Benzene	**367**	ug/L	5.0	1.7	5		02/19/20 20:59	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/19/20 20:59	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/19/20 20:59	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/19/20 20:59	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/19/20 20:59	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/19/20 20:59	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/19/20 20:59	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/19/20 20:59	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/19/20 20:59	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/19/20 20:59	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/19/20 20:59	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/19/20 20:59	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/19/20 20:59	74-95-3	
Ethylbenzene	**17.7**	ug/L	5.0	2.0	5		02/19/20 20:59	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/19/20 20:59	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/19/20 20:59	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		02/19/20 20:59	75-09-2	
Naphthalene	**3710**	ug/L	100	41.0	50		02/19/20 19:57	91-20-3	
Styrene	**89.6**	ug/L	5.0	1.6	5		02/19/20 20:59	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/19/20 20:59	127-18-4	
Toluene	**217**	ug/L	5.0	1.6	5		02/19/20 20:59	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/19/20 20:59	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/19/20 20:59	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/19/20 20:59	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 20:59	75-01-4	
Xylene (Total)	**369**	ug/L	15.0	6.8	5		02/19/20 20:59	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/19/20 20:59	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 20:59	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO65-PZM005 **Lab ID: 30350015006** Collected: 02/13/20 11:50 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 20:59	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/19/20 20:59	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/19/20 20:59	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%.	70-130		5		02/19/20 20:59	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		5		02/19/20 20:59	17060-07-0	
Toluene-d8 (S)	107	%.	70-130		5		02/19/20 20:59	2037-26-5	
Dibromofluoromethane (S)	93	%.	70-130		5		02/19/20 20:59	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO66-PZM005 **Lab ID: 30350015007** Collected: 02/13/20 12:20 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**10.0 U**	ug/L	10.0	5.5	10		02/19/20 19:20	630-20-6	
1,1,1-Trichloroethane	**10.0 U**	ug/L	10.0	3.8	10		02/19/20 19:20	71-55-6	
1,1,2,2-Tetrachloroethane	**10.0 U**	ug/L	10.0	4.7	10		02/19/20 19:20	79-34-5	
1,1,2-Trichloroethane	**10.0 U**	ug/L	10.0	3.3	10		02/19/20 19:20	79-00-5	
1,1-Dichloroethane	**10.0 U**	ug/L	10.0	2.4	10		02/19/20 19:20	75-34-3	
1,1-Dichloroethene	**10.0 U**	ug/L	10.0	2.4	10		02/19/20 19:20	75-35-4	
1,2,3-Trichloropropane	**10.0 U**	ug/L	10.0	5.8	10		02/19/20 19:20	96-18-4	
1,2-Dibromo-3-chloropropane	**50.0 U**	ug/L	50.0	5.5	10		02/19/20 19:20	96-12-8	
1,2-Dibromoethane (EDB)	**10.0 U**	ug/L	10.0	4.4	10		02/19/20 19:20	106-93-4	
1,2-Dichlorobenzene	**10.0 U**	ug/L	10.0	3.8	10		02/19/20 19:20	95-50-1	
1,2-Dichloroethane	**10.0 U**	ug/L	10.0	3.3	10		02/19/20 19:20	107-06-2	
1,2-Dichloropropane	**10.0 U**	ug/L	10.0	2.8	10		02/19/20 19:20	78-87-5	
1,4-Dichlorobenzene	**10.0 U**	ug/L	10.0	4.8	10		02/19/20 19:20	106-46-7	
2-Butanone (MEK)	**100 U**	ug/L	100	15.2	10		02/19/20 19:20	78-93-3	
2-Hexanone	**100 U**	ug/L	100	5.8	10		02/19/20 19:20	591-78-6	
4-Methyl-2-pentanone (MIBK)	**100 U**	ug/L	100	4.2	10		02/19/20 19:20	108-10-1	
Acetone	**100 U**	ug/L	100	56.1	10		02/19/20 19:20	67-64-1	
Acrylonitrile	**40.0 U**	ug/L	40.0	5.5	10		02/19/20 19:20	107-13-1	
Benzene	**312**	ug/L	10.0	3.4	10		02/19/20 19:20	71-43-2	
Bromochloromethane	**10.0 U**	ug/L	10.0	4.8	10		02/19/20 19:20	74-97-5	
Bromodichloromethane	**10.0 U**	ug/L	10.0	3.5	10		02/19/20 19:20	75-27-4	
Bromoform	**10.0 U**	ug/L	10.0	5.6	10		02/19/20 19:20	75-25-2	
Bromomethane	**10.0 U**	ug/L	10.0	7.3	10		02/19/20 19:20	74-83-9	
Carbon disulfide	**10.0 U**	ug/L	10.0	3.2	10		02/19/20 19:20	75-15-0	
Carbon tetrachloride	**10.0 U**	ug/L	10.0	4.4	10		02/19/20 19:20	56-23-5	
Chlorobenzene	**10.0 U**	ug/L	10.0	2.6	10		02/19/20 19:20	108-90-7	
Chloroethane	**10.0 U**	ug/L	10.0	6.4	10		02/19/20 19:20	75-00-3	
Chloroform	**10.0 U**	ug/L	10.0	3.9	10		02/19/20 19:20	67-66-3	
Chloromethane	**10.0 U**	ug/L	10.0	4.0	10		02/19/20 19:20	74-87-3	
Dibromochloromethane	**10.0 U**	ug/L	10.0	4.3	10		02/19/20 19:20	124-48-1	
Dibromomethane	**10.0 U**	ug/L	10.0	3.4	10		02/19/20 19:20	74-95-3	
Ethylbenzene	**14.4**	ug/L	10.0	4.0	10		02/19/20 19:20	100-41-4	
Iodomethane	**500 U**	ug/L	500	5.2	10		02/19/20 19:20	74-88-4	
Methyl-tert-butyl ether	**10.0 U**	ug/L	10.0	2.5	10		02/19/20 19:20	1634-04-4	
Methylene Chloride	**10J**	ug/L	10.0	6.4	10		02/19/20 19:20	75-09-2	
Naphthalene	**3490**	ug/L	20.0	8.2	10		02/19/20 19:20	91-20-3	
Styrene	**69.1**	ug/L	10.0	3.3	10		02/19/20 19:20	100-42-5	
Tetrachloroethene	**10.0 U**	ug/L	10.0	3.9	10		02/19/20 19:20	127-18-4	
Toluene	**168**	ug/L	10.0	3.2	10		02/19/20 19:20	108-88-3	
Trichloroethene	**10.0 U**	ug/L	10.0	2.9	10		02/19/20 19:20	79-01-6	
Trichlorofluoromethane	**10.0 U**	ug/L	10.0	5.1	10		02/19/20 19:20	75-69-4	
Vinyl acetate	**10.0 U**	ug/L	10.0	5.7	10		02/19/20 19:20	108-05-4	
Vinyl chloride	**10.0 U**	ug/L	10.0	2.9	10		02/19/20 19:20	75-01-4	
Xylene (Total)	**310**	ug/L	30.0	13.5	10		02/19/20 19:20	1330-20-7	
cis-1,2-Dichloroethene	**10.0 U**	ug/L	10.0	3.8	10		02/19/20 19:20	156-59-2	
cis-1,3-Dichloropropene	**10.0 U**	ug/L	10.0	2.9	10		02/19/20 19:20	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO66-PZM005 **Lab ID: 30350015007** Collected: 02/13/20 12:20 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**10.0 U**	ug/L	10.0	2.8	10		02/19/20 19:20	156-60-5	
trans-1,3-Dichloropropene	**10.0 U**	ug/L	10.0	3.2	10		02/19/20 19:20	10061-02-6	
trans-1,4-Dichloro-2-butene	**50.0 U**	ug/L	50.0	5.8	10		02/19/20 19:20	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	70-130		10		02/19/20 19:20	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		10		02/19/20 19:20	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		10		02/19/20 19:20	2037-26-5	
Dibromofluoromethane (S)	94	%.	70-130		10		02/19/20 19:20	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO67-PZM006 **Lab ID: 30350015008** Collected: 02/13/20 12:40 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/19/20 17:17	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 17:17	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/19/20 17:17	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 17:17	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/19/20 17:17	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/19/20 17:17	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/19/20 17:17	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/19/20 17:17	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 17:17	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 17:17	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 17:17	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 17:17	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 17:17	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/19/20 17:17	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/19/20 17:17	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/19/20 17:17	108-10-1	
Acetone	**5.7J**	ug/L	10.0	5.6	1		02/19/20 17:17	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/19/20 17:17	107-13-1	
Benzene	**302**	ug/L	1.0	0.34	1		02/19/20 17:17	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 17:17	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/19/20 17:17	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/19/20 17:17	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/19/20 17:17	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 17:17	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 17:17	56-23-5	
Chlorobenzene	**0.62J**	ug/L	1.0	0.26	1		02/19/20 17:17	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/19/20 17:17	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 17:17	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/19/20 17:17	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/19/20 17:17	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/19/20 17:17	74-95-3	
Ethylbenzene	**13.3**	ug/L	1.0	0.40	1		02/19/20 17:17	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/19/20 17:17	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/19/20 17:17	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/19/20 17:17	75-09-2	
Naphthalene	**2310**	ug/L	20.0	8.2	10		02/19/20 17:29	91-20-3	
Styrene	**72.8**	ug/L	1.0	0.33	1		02/19/20 17:17	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 17:17	127-18-4	
Toluene	**153**	ug/L	1.0	0.32	1		02/19/20 17:17	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 17:17	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/19/20 17:17	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/19/20 17:17	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 17:17	75-01-4	
Xylene (Total)	**295**	ug/L	3.0	1.4	1		02/19/20 17:17	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 17:17	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 17:17	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO67-PZM006 **Lab ID: 30350015008** Collected: 02/13/20 12:40 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 17:17	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 17:17	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/19/20 17:17	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		02/19/20 17:17	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		1		02/19/20 17:17	17060-07-0	
Toluene-d8 (S)	98	%.	70-130		1		02/19/20 17:17	2037-26-5	
Dibromofluoromethane (S)	96	%.	70-130		1		02/19/20 17:17	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO68-PZM005 **Lab ID: 30350015009** Collected: 02/13/20 13:00 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/19/20 18:31	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 18:31	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/19/20 18:31	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 18:31	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/19/20 18:31	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/19/20 18:31	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/19/20 18:31	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/19/20 18:31	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 18:31	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 18:31	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 18:31	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 18:31	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 18:31	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/19/20 18:31	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/19/20 18:31	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/19/20 18:31	108-10-1	
Acetone	**7.3J**	ug/L	10.0	5.6	1		02/19/20 18:31	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/19/20 18:31	107-13-1	
Benzene	**383**	ug/L	1.0	0.34	1		02/19/20 18:31	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 18:31	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/19/20 18:31	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/19/20 18:31	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/19/20 18:31	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 18:31	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 18:31	56-23-5	
Chlorobenzene	**0.69J**	ug/L	1.0	0.26	1		02/19/20 18:31	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/19/20 18:31	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 18:31	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/19/20 18:31	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/19/20 18:31	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/19/20 18:31	74-95-3	
Ethylbenzene	**16.2**	ug/L	1.0	0.40	1		02/19/20 18:31	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/19/20 18:31	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/19/20 18:31	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/19/20 18:31	75-09-2	
Naphthalene	**3850**	ug/L	40.0	16.4	20		02/19/20 18:43	91-20-3	
Styrene	**105**	ug/L	1.0	0.33	1		02/19/20 18:31	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 18:31	127-18-4	
Toluene	**203**	ug/L	1.0	0.32	1		02/19/20 18:31	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 18:31	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/19/20 18:31	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/19/20 18:31	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 18:31	75-01-4	
Xylene (Total)	**362**	ug/L	3.0	1.4	1		02/19/20 18:31	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 18:31	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 18:31	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO68-PZM005 **Lab ID: 30350015009** Collected: 02/13/20 13:00 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 18:31	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 18:31	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/19/20 18:31	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		02/19/20 18:31	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		1		02/19/20 18:31	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		02/19/20 18:31	2037-26-5	
Dibromofluoromethane (S)	95	%.	70-130		1		02/19/20 18:31	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO69-PZM005 **Lab ID: 30350015010** Collected: 02/13/20 13:20 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/19/20 17:41	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 17:41	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/19/20 17:41	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 17:41	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/19/20 17:41	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/19/20 17:41	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/19/20 17:41	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/19/20 17:41	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 17:41	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 17:41	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 17:41	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 17:41	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 17:41	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/19/20 17:41	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/19/20 17:41	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/19/20 17:41	108-10-1	
Acetone	**5.9J**	ug/L	10.0	5.6	1		02/19/20 17:41	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/19/20 17:41	107-13-1	
Benzene	**267**	ug/L	1.0	0.34	1		02/19/20 17:41	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 17:41	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/19/20 17:41	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/19/20 17:41	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/19/20 17:41	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 17:41	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 17:41	56-23-5	
Chlorobenzene	**0.49J**	ug/L	1.0	0.26	1		02/19/20 17:41	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/19/20 17:41	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 17:41	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/19/20 17:41	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/19/20 17:41	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/19/20 17:41	74-95-3	
Ethylbenzene	**11.4**	ug/L	1.0	0.40	1		02/19/20 17:41	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/19/20 17:41	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/19/20 17:41	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/19/20 17:41	75-09-2	
Naphthalene	**1240**	ug/L	20.0	8.2	10		02/19/20 17:54	91-20-3	
Styrene	**66.0**	ug/L	1.0	0.33	1		02/19/20 17:41	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 17:41	127-18-4	
Toluene	**126**	ug/L	1.0	0.32	1		02/19/20 17:41	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 17:41	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/19/20 17:41	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/19/20 17:41	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 17:41	75-01-4	
Xylene (Total)	**253**	ug/L	3.0	1.4	1		02/19/20 17:41	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 17:41	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 17:41	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO69-PZM005 **Lab ID: 30350015010** Collected: 02/13/20 13:20 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 17:41	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 17:41	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/19/20 17:41	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		02/19/20 17:41	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		1		02/19/20 17:41	17060-07-0	
Toluene-d8 (S)	98	%.	70-130		1		02/19/20 17:41	2037-26-5	
Dibromofluoromethane (S)	95	%.	70-130		1		02/19/20 17:41	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO70-PZM005 **Lab ID: 30350015011** Collected: 02/13/20 13:40 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/19/20 15:38	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 15:38	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/19/20 15:38	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 15:38	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/19/20 15:38	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/19/20 15:38	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/19/20 15:38	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/19/20 15:38	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 15:38	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 15:38	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 15:38	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 15:38	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 15:38	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/19/20 15:38	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/19/20 15:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/19/20 15:38	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		02/19/20 15:38	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/19/20 15:38	107-13-1	
Benzene	**13.4**	ug/L	1.0	0.34	1		02/19/20 15:38	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 15:38	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/19/20 15:38	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/19/20 15:38	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/19/20 15:38	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 15:38	75-15-0	MH
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 15:38	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/19/20 15:38	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/19/20 15:38	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 15:38	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/19/20 15:38	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/19/20 15:38	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/19/20 15:38	74-95-3	
Ethylbenzene	**1.3**	ug/L	1.0	0.40	1		02/19/20 15:38	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/19/20 15:38	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/19/20 15:38	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/19/20 15:38	75-09-2	
Naphthalene	**97.2**	ug/L	2.0	0.82	1		02/19/20 15:38	91-20-3	
Styrene	**3.7**	ug/L	1.0	0.33	1		02/19/20 15:38	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 15:38	127-18-4	
Toluene	**3.5**	ug/L	1.0	0.32	1		02/19/20 15:38	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 15:38	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/19/20 15:38	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/19/20 15:38	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 15:38	75-01-4	
Xylene (Total)	**25.5**	ug/L	3.0	1.4	1		02/19/20 15:38	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 15:38	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 15:38	10061-01-5	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO70-PZM005 **Lab ID: 30350015011** Collected: 02/13/20 13:40 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 15:38	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 15:38	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/19/20 15:38	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		1		02/19/20 15:38	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%.	70-130		1		02/19/20 15:38	17060-07-0	
Toluene-d8 (S)	96	%.	70-130		1		02/19/20 15:38	2037-26-5	
Dibromofluoromethane (S)	99	%.	70-130		1		02/19/20 15:38	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO71-PZM006 **Lab ID: 30350015012** Collected: 02/13/20 14:00 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/19/20 18:55	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/19/20 18:55	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/19/20 18:55	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/19/20 18:55	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/19/20 18:55	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/19/20 18:55	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/19/20 18:55	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/19/20 18:55	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/19/20 18:55	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/19/20 18:55	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/19/20 18:55	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 18:55	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/19/20 18:55	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/19/20 18:55	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/19/20 18:55	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/19/20 18:55	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		02/19/20 18:55	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/19/20 18:55	107-13-1	
Benzene	**301**	ug/L	5.0	1.7	5		02/19/20 18:55	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/19/20 18:55	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/19/20 18:55	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/19/20 18:55	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/19/20 18:55	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/19/20 18:55	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/19/20 18:55	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/19/20 18:55	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/19/20 18:55	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/19/20 18:55	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/19/20 18:55	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/19/20 18:55	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/19/20 18:55	74-95-3	
Ethylbenzene	**9.8**	ug/L	5.0	2.0	5		02/19/20 18:55	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/19/20 18:55	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/19/20 18:55	1634-04-4	
Methylene Chloride	**4.7J**	ug/L	5.0	3.2	5		02/19/20 18:55	75-09-2	
Naphthalene	**1580**	ug/L	100	41.0	50		02/20/20 23:30	91-20-3	
Styrene	**66.1**	ug/L	5.0	1.6	5		02/19/20 18:55	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/19/20 18:55	127-18-4	
Toluene	**119**	ug/L	5.0	1.6	5		02/19/20 18:55	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/19/20 18:55	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/19/20 18:55	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/19/20 18:55	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 18:55	75-01-4	
Xylene (Total)	**228**	ug/L	15.0	6.8	5		02/19/20 18:55	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/19/20 18:55	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 18:55	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO71-PZM006 **Lab ID: 30350015012** Collected: 02/13/20 14:00 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 18:55	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/19/20 18:55	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/19/20 18:55	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%.	70-130		5		02/19/20 18:55	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		5		02/19/20 18:55	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		5		02/19/20 18:55	2037-26-5	
Dibromofluoromethane (S)	94	%.	70-130		5		02/19/20 18:55	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO72-PZM005 **Lab ID: 30350015013** Collected: 02/13/20 14:30 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**10.0 U**	ug/L	10.0	5.5	10		02/19/20 19:45	630-20-6	
1,1,1-Trichloroethane	**10.0 U**	ug/L	10.0	3.8	10		02/19/20 19:45	71-55-6	
1,1,2,2-Tetrachloroethane	**10.0 U**	ug/L	10.0	4.7	10		02/19/20 19:45	79-34-5	
1,1,2-Trichloroethane	**10.0 U**	ug/L	10.0	3.3	10		02/19/20 19:45	79-00-5	
1,1-Dichloroethane	**10.0 U**	ug/L	10.0	2.4	10		02/19/20 19:45	75-34-3	
1,1-Dichloroethene	**10.0 U**	ug/L	10.0	2.4	10		02/19/20 19:45	75-35-4	
1,2,3-Trichloropropane	**10.0 U**	ug/L	10.0	5.8	10		02/19/20 19:45	96-18-4	
1,2-Dibromo-3-chloropropane	**50.0 U**	ug/L	50.0	5.5	10		02/19/20 19:45	96-12-8	
1,2-Dibromoethane (EDB)	**10.0 U**	ug/L	10.0	4.4	10		02/19/20 19:45	106-93-4	
1,2-Dichlorobenzene	**10.0 U**	ug/L	10.0	3.8	10		02/19/20 19:45	95-50-1	
1,2-Dichloroethane	**10.0 U**	ug/L	10.0	3.3	10		02/19/20 19:45	107-06-2	
1,2-Dichloropropane	**10.0 U**	ug/L	10.0	2.8	10		02/19/20 19:45	78-87-5	
1,4-Dichlorobenzene	**10.0 U**	ug/L	10.0	4.8	10		02/19/20 19:45	106-46-7	
2-Butanone (MEK)	**100 U**	ug/L	100	15.2	10		02/19/20 19:45	78-93-3	
2-Hexanone	**100 U**	ug/L	100	5.8	10		02/19/20 19:45	591-78-6	
4-Methyl-2-pentanone (MIBK)	**100 U**	ug/L	100	4.2	10		02/19/20 19:45	108-10-1	
Acetone	**100 U**	ug/L	100	56.1	10		02/19/20 19:45	67-64-1	
Acrylonitrile	**40.0 U**	ug/L	40.0	5.5	10		02/19/20 19:45	107-13-1	
Benzene	**318**	ug/L	10.0	3.4	10		02/19/20 19:45	71-43-2	
Bromochloromethane	**10.0 U**	ug/L	10.0	4.8	10		02/19/20 19:45	74-97-5	
Bromodichloromethane	**10.0 U**	ug/L	10.0	3.5	10		02/19/20 19:45	75-27-4	
Bromoform	**10.0 U**	ug/L	10.0	5.6	10		02/19/20 19:45	75-25-2	
Bromomethane	**10.0 U**	ug/L	10.0	7.3	10		02/19/20 19:45	74-83-9	
Carbon disulfide	**10.0 U**	ug/L	10.0	3.2	10		02/19/20 19:45	75-15-0	
Carbon tetrachloride	**10.0 U**	ug/L	10.0	4.4	10		02/19/20 19:45	56-23-5	
Chlorobenzene	**10.0 U**	ug/L	10.0	2.6	10		02/19/20 19:45	108-90-7	
Chloroethane	**10.0 U**	ug/L	10.0	6.4	10		02/19/20 19:45	75-00-3	
Chloroform	**10.0 U**	ug/L	10.0	3.9	10		02/19/20 19:45	67-66-3	
Chloromethane	**10.0 U**	ug/L	10.0	4.0	10		02/19/20 19:45	74-87-3	
Dibromochloromethane	**10.0 U**	ug/L	10.0	4.3	10		02/19/20 19:45	124-48-1	
Dibromomethane	**10.0 U**	ug/L	10.0	3.4	10		02/19/20 19:45	74-95-3	
Ethylbenzene	**9.8J**	ug/L	10.0	4.0	10		02/19/20 19:45	100-41-4	
Iodomethane	**500 U**	ug/L	500	5.2	10		02/19/20 19:45	74-88-4	
Methyl-tert-butyl ether	**10.0 U**	ug/L	10.0	2.5	10		02/19/20 19:45	1634-04-4	
Methylene Chloride	**9.6J**	ug/L	10.0	6.4	10		02/19/20 19:45	75-09-2	
Naphthalene	**3160**	ug/L	20.0	8.2	10		02/19/20 19:45	91-20-3	
Styrene	**78.5**	ug/L	10.0	3.3	10		02/19/20 19:45	100-42-5	
Tetrachloroethene	**10.0 U**	ug/L	10.0	3.9	10		02/19/20 19:45	127-18-4	
Toluene	**128**	ug/L	10.0	3.2	10		02/19/20 19:45	108-88-3	
Trichloroethene	**10.0 U**	ug/L	10.0	2.9	10		02/19/20 19:45	79-01-6	
Trichlorofluoromethane	**10.0 U**	ug/L	10.0	5.1	10		02/19/20 19:45	75-69-4	
Vinyl acetate	**10.0 U**	ug/L	10.0	5.7	10		02/19/20 19:45	108-05-4	
Vinyl chloride	**10.0 U**	ug/L	10.0	2.9	10		02/19/20 19:45	75-01-4	
Xylene (Total)	**246**	ug/L	30.0	13.5	10		02/19/20 19:45	1330-20-7	
cis-1,2-Dichloroethene	**10.0 U**	ug/L	10.0	3.8	10		02/19/20 19:45	156-59-2	
cis-1,3-Dichloropropene	**10.0 U**	ug/L	10.0	2.9	10		02/19/20 19:45	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350015

Sample: CO72-PZM005 **Lab ID: 30350015013** Collected: 02/13/20 14:30 Received: 02/13/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**10.0 U**	ug/L	10.0	2.8	10		02/19/20 19:45	156-60-5	
trans-1,3-Dichloropropene	**10.0 U**	ug/L	10.0	3.2	10		02/19/20 19:45	10061-02-6	
trans-1,4-Dichloro-2-butene	**50.0 U**	ug/L	50.0	5.8	10		02/19/20 19:45	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%.	70-130		10		02/19/20 19:45	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%.	70-130		10		02/19/20 19:45	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		10		02/19/20 19:45	2037-26-5	
Dibromofluoromethane (S)	91	%.	70-130		10		02/19/20 19:45	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30350015

QC Batch: 384520 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Associated Lab Samples: 30350015001, 30350015002, 30350015003, 30350015004, 30350015005, 30350015006, 30350015007, 30350015008, 30350015009, 30350015010, 30350015011, 30350015012, 30350015013

METHOD BLANK: 1863145 Matrix: Water
Associated Lab Samples: 30350015001, 30350015002, 30350015003, 30350015004, 30350015005, 30350015006, 30350015007, 30350015008, 30350015009, 30350015010, 30350015011, 30350015012, 30350015013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	02/19/20 14:24	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	02/19/20 14:24	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	02/19/20 14:24	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	02/19/20 14:24	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	02/19/20 14:24	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	02/19/20 14:24	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	02/19/20 14:24	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	02/19/20 14:24	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	02/19/20 14:24	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	02/19/20 14:24	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	02/19/20 14:24	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	02/19/20 14:24	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	02/19/20 14:24	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	02/19/20 14:24	
2-Hexanone	ug/L	10.0 U	10.0	0.58	02/19/20 14:24	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	02/19/20 14:24	
Acetone	ug/L	10.0 U	10.0	5.6	02/19/20 14:24	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	02/19/20 14:24	
Benzene	ug/L	1.0 U	1.0	0.34	02/19/20 14:24	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	02/19/20 14:24	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	02/19/20 14:24	
Bromoform	ug/L	1.0 U	1.0	0.56	02/19/20 14:24	
Bromomethane	ug/L	1.0 U	1.0	0.73	02/19/20 14:24	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	02/19/20 14:24	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	02/19/20 14:24	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	02/19/20 14:24	
Chloroethane	ug/L	1.0 U	1.0	0.64	02/19/20 14:24	
Chloroform	ug/L	1.0 U	1.0	0.39	02/19/20 14:24	
Chloromethane	ug/L	1.0 U	1.0	0.40	02/19/20 14:24	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	02/19/20 14:24	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	02/19/20 14:24	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	02/19/20 14:24	
Dibromomethane	ug/L	1.0 U	1.0	0.34	02/19/20 14:24	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	02/19/20 14:24	
Iodomethane	ug/L	50.0 U	50.0	0.52	02/19/20 14:24	
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	02/19/20 14:24	
Methylene Chloride	ug/L	0.90J	1.0	0.64	02/19/20 14:24	
Naphthalene	ug/L	2.0 U	2.0	0.82	02/19/20 14:24	
Styrene	ug/L	1.0 U	1.0	0.33	02/19/20 14:24	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	02/19/20 14:24	

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30350015

METHOD BLANK: 1863145 Matrix: Water

Associated Lab Samples: 30350015001, 30350015002, 30350015003, 30350015004, 30350015005, 30350015006, 30350015007, 30350015008, 30350015009, 30350015010, 30350015011, 30350015012, 30350015013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	02/19/20 14:24	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	02/19/20 14:24	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	02/19/20 14:24	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	02/19/20 14:24	
Trichloroethene	ug/L	1.0 U	1.0	0.29	02/19/20 14:24	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	02/19/20 14:24	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	02/19/20 14:24	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	02/19/20 14:24	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	02/19/20 14:24	
1,2-Dichloroethane-d4 (S)	%.	103	70-130		02/19/20 14:24	
4-Bromofluorobenzene (S)	%.	102	70-130		02/19/20 14:24	
Dibromofluoromethane (S)	%.	99	70-130		02/19/20 14:24	
Toluene-d8 (S)	%.	98	70-130		02/19/20 14:24	

LABORATORY CONTROL SAMPLE: 1863146

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.0	95	70-130	
1,1,1-Trichloroethane	ug/L	20	22.4	112	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.0	100	70-130	
1,1,2-Trichloroethane	ug/L	20	20.4	102	70-130	
1,1-Dichloroethane	ug/L	20	21.1	105	70-130	
1,1-Dichloroethene	ug/L	20	19.8	99	70-130	
1,2,3-Trichloropropane	ug/L	20	19.7	98	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	20.0	100	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	19.8	99	70-130	
1,2-Dichlorobenzene	ug/L	20	20.3	101	70-130	
1,2-Dichloroethane	ug/L	20	20.9	104	70-130	
1,2-Dichloropropane	ug/L	20	21.6	108	70-130	
1,4-Dichlorobenzene	ug/L	20	20.4	102	70-130	
2-Butanone (MEK)	ug/L	20	22.5	113	70-130	
2-Hexanone	ug/L	20	21.9	110	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	23.1	116	70-130	
Acetone	ug/L	20	22.1	111	67-173	
Acrylonitrile	ug/L	20	21.9	110	56-147	
Benzene	ug/L	20	21.7	109	70-130	
Bromochloromethane	ug/L	20	19.7	99	70-130	
Bromodichloromethane	ug/L	20	21.7	109	70-130	
Bromoform	ug/L	20	16.8	84	63-119	
Bromomethane	ug/L	20	17.1	85	24-159	
Carbon disulfide	ug/L	20	25.7	129	57-132	
Carbon tetrachloride	ug/L	20	20.6	103	70-130	
Chlorobenzene	ug/L	20	21.5	107	70-130	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30350015

LABORATORY CONTROL SAMPLE: 1863146

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	20	15.6	78	62-145	
Chloroform	ug/L	20	19.6	98	70-130	
Chloromethane	ug/L	20	15.2	76	66-140	
cis-1,2-Dichloroethene	ug/L	20	20.7	103	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.2	106	70-130	
Dibromochloromethane	ug/L	20	20.2	101	70-130	
Dibromomethane	ug/L	20	19.5	98	70-130	
Ethylbenzene	ug/L	20	21.7	109	70-130	
Iodomethane	ug/L	20	19.3J	97	10-175	
Methyl-tert-butyl ether	ug/L	20	21.5	107	70-130	
Methylene Chloride	ug/L	20	21.7	109	70-130	
Naphthalene	ug/L	20	26.5	133	55-160	
Styrene	ug/L	20	21.6	108	70-130	
Tetrachloroethene	ug/L	20	21.6	108	70-130	
Toluene	ug/L	20	21.6	108	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.4	102	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.5	107	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	22.2	111	48-131	
Trichloroethene	ug/L	20	20.4	102	70-130	
Trichlorofluoromethane	ug/L	20	19.1	96	70-130	
Vinyl acetate	ug/L	20	19.3	96	33-128	
Vinyl chloride	ug/L	20	16.1	81	70-130	
Xylene (Total)	ug/L	60	65.2	109	70-130	
1,2-Dichloroethane-d4 (S)	%.			99	70-130	
4-Bromofluorobenzene (S)	%.			100	70-130	
Dibromofluoromethane (S)	%.			98	70-130	
Toluene-d8 (S)	%.			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1863147 1863148

Parameter	Units	30350015011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	20	20	18.0	18.7	90	94	59-117	4	30	
1,1,1-Trichloroethane	ug/L	1.0 U	20	20	23.3	22.1	117	111	55-146	5	30	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	20	20	20.3	18.9	102	94	55-118	7	30	
1,1,2-Trichloroethane	ug/L	1.0 U	20	20	19.5	19.4	98	97	61-122	1	30	
1,1-Dichloroethane	ug/L	1.0 U	20	20	22.8	21.2	114	106	59-130	7	30	
1,1-Dichloroethene	ug/L	1.0 U	20	20	21.2	20.3	106	102	52-119	4	30	
1,2,3-Trichloropropane	ug/L	1.0 U	20	20	19.7	18.4	98	92	59-117	7	30	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	20	20	15.9	16.0	80	80	32-112	0	30	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	20	20	19.9	19.2	99	96	61-116	4	30	
1,2-Dichlorobenzene	ug/L	1.0 U	20	20	19.8	19.2	99	96	58-126	3	30	
1,2-Dichloroethane	ug/L	1.0 U	20	20	21.9	19.7	109	99	49-135	10	30	
1,2-Dichloropropane	ug/L	1.0 U	20	20	22.5	20.7	112	103	67-121	8	30	

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(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30350015

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1863147 1863148

Parameter	Units	30350015011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dichlorobenzene	ug/L	1.0 U	20	20	20.8	19.7	104	98	60-121	6	30	
2-Butanone (MEK)	ug/L	10.0 U	20	20	19.2	20.1	96	100	59-138	4	30	
2-Hexanone	ug/L	10.0 U	20	20	21.6	21.4	108	107	66-123	1	30	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	20	20	22.0	21.2	110	106	70-130	4	30	
Acetone	ug/L	10.0 U	20	20	22.6	19.6	96	81	57-140	14	30	
Acrylonitrile	ug/L	4.0 U	20	20	22.0	19.2	110	96	47-134	13	30	
Benzene	ug/L	13.4	20	20	37.7	34.6	121	106	50-149	9	30	
Bromochloromethane	ug/L	1.0 U	20	20	21.5	19.8	108	99	63-120	8	30	
Bromodichloromethane	ug/L	1.0 U	20	20	21.6	20.6	108	103	46-131	5	30	
Bromoform	ug/L	1.0 U	20	20	14.9	14.3	75	71	30-119	4	30	
Bromomethane	ug/L	1.0 U	20	20	11.3	11.0	56	55	10-163	2	30	
Carbon disulfide	ug/L	1.0 U	20	20	27.3	26.0	136	130	41-116	5	30	MH
Carbon tetrachloride	ug/L	1.0 U	20	20	20.7	20.1	103	101	55-119	3	30	
Chlorobenzene	ug/L	1.0 U	20	20	22.0	21.4	110	107	66-124	3	30	
Chloroethane	ug/L	1.0 U	20	20	15.3	13.7	77	69	45-162	11	30	
Chloroform	ug/L	1.0 U	20	20	21.1	19.1	105	96	56-123	10	30	
Chloromethane	ug/L	1.0 U	20	20	14.5	13.7	73	69	49-150	5	30	
cis-1,2-Dichloroethene	ug/L	1.0 U	20	20	22.5	20.7	113	103	63-116	9	30	
cis-1,3-Dichloropropene	ug/L	1.0 U	20	20	21.3	20.1	106	101	46-119	6	30	
Dibromochloromethane	ug/L	1.0 U	20	20	18.1	18.1	90	90	42-120	0	30	
Dibromomethane	ug/L	1.0 U	20	20	18.9	18.1	95	90	55-117	5	30	
Ethylbenzene	ug/L	1.3	20	20	24.1	23.2	114	109	63-135	4	30	
Iodomethane	ug/L	50.0 U	20	20	21.5J	21.0J	107	105	10-175		30	
Methyl-tert-butyl ether	ug/L	1.0 U	20	20	21.3	20.1	106	100	53-123	6	30	
Methylene Chloride	ug/L	1.0 U	20	20	20.6	21.8	103	109	57-132	6	30	
Naphthalene	ug/L	97.2	20	20	118	123	105	127	30-157	4	30	
Styrene	ug/L	3.7	20	20	25.7	25.5	110	109	58-130	1	30	
Tetrachloroethene	ug/L	1.0 U	20	20	21.3	21.7	107	109	61-132	2	30	
Toluene	ug/L	3.5	20	20	25.2	25.1	108	108	59-139	0	30	
trans-1,2-Dichloroethene	ug/L	1.0 U	20	20	21.1	20.3	106	101	60-124	4	30	
trans-1,3-Dichloropropene	ug/L	1.0 U	20	20	20.1	20.0	101	100	48-121	1	30	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	20	20.8	19.8	104	99	10-111	5	30	
Trichloroethene	ug/L	1.0 U	20	20	21.7	20.4	109	102	63-128	6	30	
Trichlorofluoromethane	ug/L	1.0 U	20	20	17.9	17.1	90	86	70-152	5	30	
Vinyl acetate	ug/L	1.0 U	20	20	16.3	15.2	81	76	23-102	7	30	
Vinyl chloride	ug/L	1.0 U	20	20	15.9	14.8	79	74	67-141	7	30	
Xylene (Total)	ug/L	25.5	60	60	92.5	95.1	112	116	63-135	3	30	
1,2-Dichloroethane-d4 (S)	%.						103	98	70-130			
4-Bromofluorobenzene (S)	%.						103	101	70-130			
Dibromofluoromethane (S)	%.						95	96	70-130			
Toluene-d8 (S)	%.						95	101	70-130			

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30350015

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

SAMPLE QUALIFIERS

Sample: 30350015004
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
Sample: 30350015005
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
Sample: 30350015006
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
Sample: 30350015007
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
Sample: 30350015008
[1] Residual Chlorine was present in the VOA vial used for analysis.
Sample: 30350015009
[1] Residual Chlorine was present in the VOA vial used for analysis.
Sample: 30350015011
[1] Residual Chlorine was present in the VOA vial used for analysis.
Sample: 30350015012
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

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QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30350015

SAMPLE QUALIFIERS

Sample: 30350015013
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
Sample: 1863147
[1] Residual Chlorine was present in the VOA vial used for analysis.
Sample: 1863148
[1] Residual Chlorine was present in the VOA vial used for analysis.

ANALYTE QUALIFIERS

MH Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30350015

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30350015001	**Trip Blank**	EPA 8260B	384520		
30350015002	**CO61-PZM007**	EPA 8260B	384520		
30350015003	**CO62-PZM007**	EPA 8260B	384520		
30350015004	**CO63-PZM007**	EPA 8260B	384520		
30350015005	**CO64-PZM006**	EPA 8260B	384520		
30350015006	**CO65-PZM005**	EPA 8260B	384520		
30350015007	**CO66-PZM005**	EPA 8260B	384520		
30350015008	**CO67-PZM006**	EPA 8260B	384520		
30350015009	**CO68-PZM005**	EPA 8260B	384520		
30350015010	**CO69-PZM005**	EPA 8260B	384520		
30350015011	**CO70-PZM005**	EPA 8260B	384520		
30350015012	**CO71-PZM006**	EPA 8260B	384520		
30350015013	**CO72-PZM005**	EPA 8260B	384520		

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Pace Analytical
www.pacelabs.com

Section A
Client Information:

EnviroAnalytics Group	
1600 Sparrows Point Blvd, Suite B2	
Sparrows Point, MD 21219	
jcalenda@enviroanalyticsgroup.com	
314-620-3056	Fax:
Rd Due Date/TAT:	5 Day

Section B
Required Project Information:

Report To:	James Calenda
Copy To:	Stewart Kabis
Purchase Order No.:	EAG-SPT-6989
Project Name:	COA IM GW Sampling
Project Number:	

Section C
Invoice Information:

Attention:	Laura Sargent
Company Name:	EnviroAnalytics Group
Address:	1650 Des Peres Road, Suite 303 St. Louis, MO 63131
Pace Quote Reference:	
Pace Project Manager:	Samantha Bayura
Pace Profile #:	

Page: 1 of 2

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MD

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	VOC + NAPH by 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
Trip Blank	WT				2/13/20			2				2						X		001
C061-PZM007		G				0930		3				3						X		002
C062-PZM007						1020		3				3						X		003
C063-PZM007						1050		3				3						X		004
C064-PZM006						1120		3				3						X		005
C065-PZM005						1150		3				3						X		006
C066-PZM005						1220		3				3						X		007
C067-PZM006						1240		3				3						X		008
C068-PZM005						1300		3				3						X		009
C069-PZM005						1320		3				3						X		010
C070-PZM005						1340		3				3						X		011
C071-PZM006						1400		3				3						X		012

WO# : 30350015
30350015

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature] ARM	2/13/20	1515	[signature]	2/13/20	1615				
	David L Hillegan / Pace	2/13/20	1935	RDS PACE	2-13-20	1940		Y		
	RDS PACE	2-13-20	2245	[signature]	2-13-20	2245	34	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Leandra M Glumac

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 02/13/2020

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical
www.pacelabs.com

30350015

Page: 2 of 2

A Client Information:	Section B Required Project Information:	Section C Invoice Information:
EnviroAnalytics Group	Report To: James Calenda	Attention: Laura Sargent
1600 Sparrows Point Blvd, Suite B2	Copy To: Stewart Kabis	Company Name: EnviroAnalytics Group
Sparrows Point, MD 21219		Address: 1650 Des Peres Road, Suite 303 St. Louis, MO 63131
jcalenda@enviroanalyticsgroup.com	Purchase Order No.: EAG-SPT-6989	Pace Quote Reference:
314-620-3056 Fax:	Project Name: COA IM GW Sampling	Pace Project Manager: Samantha Bayura
d Due Date/TAT: 5 Day	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MD

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	VOC + NAPH by 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
C072-PZM005	X	G		2/13/20		1430		3			3							X		013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature]	2/13/20	1515	David F Hillegon / Pace	02/13/20	1615				
	David F Hillegon / Pace	02/13/20	1935	RDS FACE	2-13-20	1940		Y		
	RDS FACE	2-13-20	2245	Marvin J Clay	2-13-20	2245	3.4	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Leandra M Glumac

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 02/13/2020

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

30350015

Client Name: Environmental Group Project #

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other

Label MLC
LIMS Login MLC

Tracking #: N/A

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Thermometer Used 9 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 3.4 °C Correction Factor: 0 °C Final Temp: 3.4 °C

Temp should be above freezing to 6°C

pH paper Lot# N/A Date and initials of person examining contents: MLC 2/13/20

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:	✓			8.
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓ ✓			10.
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: (VOA,) coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix	✓			16.
All containers meet method preservation requirements.	✓			Initial when completed MLC Date/time of preservation
				Lot # of added preservative
Headspace in VOA Vials (>6mm):		✓	✓	17. MLC 2/13/20
Trip Blank Present:	✓		✓	18. 2/13/20
Trip Blank Custody Seals Present	✓			
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed: Date:

Client Notification/ Resolution:

Person Contacted: Date/Time: Contacted By:

Comments/ Resolution:

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

February 21, 2020

Mr. James Calenda
EnviroAnalytics Group, LLC
1600 Sparrows Point Blvd
Suite B2
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30350186

Dear Mr. Calenda:
Enclosed are the analytical results for sample(s) received by the laboratory on February 14, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30350186

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Florida: Cert E871149 SEKS WET
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30350186

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30350186001	**Trip Blank**	Water	02/14/20 00:01	02/14/20 22:30
30350186002	**CO43-PZMO48**	Water	02/14/20 11:10	02/14/20 22:30
30350186003	**CO44-PZMO48**	Water	02/14/20 11:40	02/14/20 22:30
30350186004	**CO45-PZMO47**	Water	02/14/20 12:00	02/14/20 22:30
30350186005	**CO46-PZMO47**	Water	02/14/20 12:30	02/14/20 22:30
30350186006	**CO47-PZMO46**	Water	02/14/20 10:40	02/14/20 22:30
30350186007	**CO48-PZMO44**	Water	02/14/20 10:10	02/14/20 22:30

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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30350186

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30350186001	**Trip Blank**	EPA 8260B	KAC	53	PASI-PA
30350186002	**CO43-PZMO48**	EPA 8260B	KAC	53	PASI-PA
30350186003	**CO44-PZMO48**	EPA 8260B	KAC	53	PASI-PA
30350186004	**CO45-PZMO47**	EPA 8260B	KAC	53	PASI-PA
30350186005	**CO46-PZMO47**	EPA 8260B	KAC	53	PASI-PA
30350186006	**CO47-PZMO46**	EPA 8260B	KAC	53	PASI-PA
30350186007	**CO48-PZMO44**	EPA 8260B	KAC	53	PASI-PA

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Greensburg, PA 15601
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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350186

Sample: Trip Blank **Lab ID: 30350186001** Collected: 02/14/20 00:01 Received: 02/14/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/19/20 14:48	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 14:48	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/19/20 14:48	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 14:48	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/19/20 14:48	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/19/20 14:48	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/19/20 14:48	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/19/20 14:48	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 14:48	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 14:48	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 14:48	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 14:48	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 14:48	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/19/20 14:48	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/19/20 14:48	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/19/20 14:48	108-10-1	
Acetone	**9.3J**	ug/L	10.0	5.6	1		02/19/20 14:48	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/19/20 14:48	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		02/19/20 14:48	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 14:48	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/19/20 14:48	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/19/20 14:48	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/19/20 14:48	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 14:48	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 14:48	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/19/20 14:48	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/19/20 14:48	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 14:48	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/19/20 14:48	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/19/20 14:48	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/19/20 14:48	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		02/19/20 14:48	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/19/20 14:48	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/19/20 14:48	1634-04-4	
Methylene Chloride	**2.8**	ug/L	1.0	0.64	1		02/19/20 14:48	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		02/19/20 14:48	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 14:48	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 14:48	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 14:48	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 14:48	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/19/20 14:48	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/19/20 14:48	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 14:48	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		02/19/20 14:48	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 14:48	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 14:48	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350186

Sample: Trip Blank **Lab ID: 30350186001** Collected: 02/14/20 00:01 Received: 02/14/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 14:48	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 14:48	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/19/20 14:48	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		1		02/19/20 14:48	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		1		02/19/20 14:48	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		1		02/19/20 14:48	2037-26-5	
Dibromofluoromethane (S)	94	%.	70-130		1		02/19/20 14:48	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350186

Sample: CO43-PZMO48 **Lab ID: 30350186002** Collected: 02/14/20 11:10 Received: 02/14/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/19/20 21:24	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/19/20 21:24	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/19/20 21:24	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/19/20 21:24	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/19/20 21:24	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/19/20 21:24	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/19/20 21:24	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/19/20 21:24	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/19/20 21:24	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/19/20 21:24	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/19/20 21:24	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 21:24	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/19/20 21:24	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/19/20 21:24	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/19/20 21:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/19/20 21:24	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		02/19/20 21:24	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/19/20 21:24	107-13-1	
Benzene	**1940**	ug/L	500	169	500		02/19/20 20:22	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/19/20 21:24	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/19/20 21:24	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/19/20 21:24	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/19/20 21:24	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/19/20 21:24	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/19/20 21:24	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/19/20 21:24	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/19/20 21:24	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/19/20 21:24	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/19/20 21:24	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/19/20 21:24	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/19/20 21:24	74-95-3	
Ethylbenzene	**8.4**	ug/L	5.0	2.0	5		02/19/20 21:24	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/19/20 21:24	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/19/20 21:24	1634-04-4	
Methylene Chloride	**4.9J**	ug/L	5.0	3.2	5		02/19/20 21:24	75-09-2	
Naphthalene	**537**	ug/L	10.0	4.1	5		02/19/20 21:24	91-20-3	
Styrene	**5.0 U**	ug/L	5.0	1.6	5		02/19/20 21:24	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/19/20 21:24	127-18-4	
Toluene	**31.1**	ug/L	5.0	1.6	5		02/19/20 21:24	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/19/20 21:24	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/19/20 21:24	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/19/20 21:24	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 21:24	75-01-4	
Xylene (Total)	**112**	ug/L	15.0	6.8	5		02/19/20 21:24	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/19/20 21:24	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 21:24	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350186

Sample: CO43-PZMO48 **Lab ID: 30350186002** Collected: 02/14/20 11:10 Received: 02/14/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 21:24	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/19/20 21:24	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/19/20 21:24	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%.	70-130		5		02/19/20 21:24	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		5		02/19/20 21:24	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		5		02/19/20 21:24	2037-26-5	
Dibromofluoromethane (S)	96	%.	70-130		5		02/19/20 21:24	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350186

Sample: CO44-PZMO48 **Lab ID: 30350186003** Collected: 02/14/20 11:40 Received: 02/14/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/19/20 16:03	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 16:03	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/19/20 16:03	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 16:03	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/19/20 16:03	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/19/20 16:03	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/19/20 16:03	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/19/20 16:03	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 16:03	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 16:03	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 16:03	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 16:03	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 16:03	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/19/20 16:03	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/19/20 16:03	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/19/20 16:03	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		02/19/20 16:03	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/19/20 16:03	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		02/19/20 16:03	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 16:03	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/19/20 16:03	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/19/20 16:03	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/19/20 16:03	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 16:03	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 16:03	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/19/20 16:03	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/19/20 16:03	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 16:03	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/19/20 16:03	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/19/20 16:03	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/19/20 16:03	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		02/19/20 16:03	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/19/20 16:03	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/19/20 16:03	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/19/20 16:03	75-09-2	
Naphthalene	**7.5**	ug/L	2.0	0.82	1		02/19/20 16:03	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 16:03	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 16:03	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 16:03	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 16:03	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/19/20 16:03	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/19/20 16:03	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 16:03	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		02/19/20 16:03	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 16:03	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 16:03	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350186

Sample: CO44-PZMO48 **Lab ID: 30350186003** Collected: 02/14/20 11:40 Received: 02/14/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 16:03	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 16:03	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/19/20 16:03	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%.	70-130		1		02/19/20 16:03	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		1		02/19/20 16:03	17060-07-0	
Toluene-d8 (S)	98	%.	70-130		1		02/19/20 16:03	2037-26-5	
Dibromofluoromethane (S)	96	%.	70-130		1		02/19/20 16:03	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350186

Sample: CO45-PZMO47 **Lab ID: 30350186004** Collected: 02/14/20 12:00 Received: 02/14/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		02/19/20 16:27	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 16:27	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		02/19/20 16:27	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 16:27	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		02/19/20 16:27	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		02/19/20 16:27	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		02/19/20 16:27	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		02/19/20 16:27	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 16:27	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 16:27	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 16:27	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 16:27	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 16:27	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		02/19/20 16:27	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		02/19/20 16:27	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		02/19/20 16:27	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		02/19/20 16:27	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		02/19/20 16:27	107-13-1	
Benzene	**5.1**	ug/L	1.0	0.34	1		02/19/20 16:27	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		02/19/20 16:27	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		02/19/20 16:27	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		02/19/20 16:27	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		02/19/20 16:27	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 16:27	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		02/19/20 16:27	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		02/19/20 16:27	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		02/19/20 16:27	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 16:27	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		02/19/20 16:27	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		02/19/20 16:27	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		02/19/20 16:27	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		02/19/20 16:27	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		02/19/20 16:27	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		02/19/20 16:27	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		02/19/20 16:27	75-09-2	
Naphthalene	**0.99J**	ug/L	2.0	0.82	1		02/19/20 16:27	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		02/19/20 16:27	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		02/19/20 16:27	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 16:27	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 16:27	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		02/19/20 16:27	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		02/19/20 16:27	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 16:27	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		02/19/20 16:27	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		02/19/20 16:27	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		02/19/20 16:27	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350186

Sample: CO45-PZMO47 **Lab ID: 30350186004** Collected: 02/14/20 12:00 Received: 02/14/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		02/19/20 16:27	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		02/19/20 16:27	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		02/19/20 16:27	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%.	70-130		1		02/19/20 16:27	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%.	70-130		1		02/19/20 16:27	17060-07-0	
Toluene-d8 (S)	98	%.	70-130		1		02/19/20 16:27	2037-26-5	
Dibromofluoromethane (S)	98	%.	70-130		1		02/19/20 16:27	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350186

Sample: CO46-PZMO47 **Lab ID: 30350186005** Collected: 02/14/20 12:30 Received: 02/14/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**50.0 U**	ug/L	50.0	27.3	50		02/19/20 22:13	630-20-6	
1,1,1-Trichloroethane	**50.0 U**	ug/L	50.0	18.8	50		02/19/20 22:13	71-55-6	
1,1,2,2-Tetrachloroethane	**50.0 U**	ug/L	50.0	23.6	50		02/19/20 22:13	79-34-5	
1,1,2-Trichloroethane	**50.0 U**	ug/L	50.0	16.6	50		02/19/20 22:13	79-00-5	
1,1-Dichloroethane	**50.0 U**	ug/L	50.0	12.0	50		02/19/20 22:13	75-34-3	
1,1-Dichloroethene	**50.0 U**	ug/L	50.0	12.0	50		02/19/20 22:13	75-35-4	
1,2,3-Trichloropropane	**50.0 U**	ug/L	50.0	29.2	50		02/19/20 22:13	96-18-4	
1,2-Dibromo-3-chloropropane	**250 U**	ug/L	250	27.4	50		02/19/20 22:13	96-12-8	
1,2-Dibromoethane (EDB)	**50.0 U**	ug/L	50.0	21.9	50		02/19/20 22:13	106-93-4	
1,2-Dichlorobenzene	**50.0 U**	ug/L	50.0	19.2	50		02/19/20 22:13	95-50-1	
1,2-Dichloroethane	**50.0 U**	ug/L	50.0	16.4	50		02/19/20 22:13	107-06-2	
1,2-Dichloropropane	**50.0 U**	ug/L	50.0	14.0	50		02/19/20 22:13	78-87-5	
1,4-Dichlorobenzene	**50.0 U**	ug/L	50.0	23.9	50		02/19/20 22:13	106-46-7	
2-Butanone (MEK)	**500 U**	ug/L	500	76.0	50		02/19/20 22:13	78-93-3	
2-Hexanone	**500 U**	ug/L	500	29.0	50		02/19/20 22:13	591-78-6	
4-Methyl-2-pentanone (MIBK)	**500 U**	ug/L	500	21.0	50		02/19/20 22:13	108-10-1	
Acetone	**500 U**	ug/L	500	280	50		02/19/20 22:13	67-64-1	
Acrylonitrile	**200 U**	ug/L	200	27.6	50		02/19/20 22:13	107-13-1	
Benzene	**153000**	ug/L	500	169	500		02/19/20 21:12	71-43-2	
Bromochloromethane	**50.0 U**	ug/L	50.0	24.0	50		02/19/20 22:13	74-97-5	
Bromodichloromethane	**50.0 U**	ug/L	50.0	17.4	50		02/19/20 22:13	75-27-4	
Bromoform	**50.0 U**	ug/L	50.0	28.2	50		02/19/20 22:13	75-25-2	
Bromomethane	**50.0 U**	ug/L	50.0	36.4	50		02/19/20 22:13	74-83-9	
Carbon disulfide	**50.0 U**	ug/L	50.0	16.2	50		02/19/20 22:13	75-15-0	
Carbon tetrachloride	**50.0 U**	ug/L	50.0	21.8	50		02/19/20 22:13	56-23-5	
Chlorobenzene	**50.0 U**	ug/L	50.0	13.1	50		02/19/20 22:13	108-90-7	
Chloroethane	**50.0 U**	ug/L	50.0	32.1	50		02/19/20 22:13	75-00-3	
Chloroform	**50.0 U**	ug/L	50.0	19.6	50		02/19/20 22:13	67-66-3	
Chloromethane	**50.0 U**	ug/L	50.0	20.2	50		02/19/20 22:13	74-87-3	
Dibromochloromethane	**50.0 U**	ug/L	50.0	21.3	50		02/19/20 22:13	124-48-1	
Dibromomethane	**50.0 U**	ug/L	50.0	17.2	50		02/19/20 22:13	74-95-3	
Ethylbenzene	**617**	ug/L	50.0	19.9	50		02/19/20 22:13	100-41-4	
Iodomethane	**2500 U**	ug/L	2500	26.0	50		02/19/20 22:13	74-88-4	
Methyl-tert-butyl ether	**50.0 U**	ug/L	50.0	12.4	50		02/19/20 22:13	1634-04-4	
Methylene Chloride	**52.5**	ug/L	50.0	31.9	50		02/19/20 22:13	75-09-2	
Naphthalene	**2540**	ug/L	100	41.0	50		02/19/20 22:13	91-20-3	
Styrene	**82.2**	ug/L	50.0	16.5	50		02/19/20 22:13	100-42-5	
Tetrachloroethene	**50.0 U**	ug/L	50.0	19.6	50		02/19/20 22:13	127-18-4	
Toluene	**15200**	ug/L	50.0	15.8	50		02/19/20 22:13	108-88-3	
Trichloroethene	**50.0 U**	ug/L	50.0	14.6	50		02/19/20 22:13	79-01-6	
Trichlorofluoromethane	**50.0 U**	ug/L	50.0	25.3	50		02/19/20 22:13	75-69-4	
Vinyl acetate	**50.0 U**	ug/L	50.0	28.6	50		02/19/20 22:13	108-05-4	
Vinyl chloride	**50.0 U**	ug/L	50.0	14.4	50		02/19/20 22:13	75-01-4	
Xylene (Total)	**4760**	ug/L	150	67.5	50		02/19/20 22:13	1330-20-7	
cis-1,2-Dichloroethene	**50.0 U**	ug/L	50.0	19.0	50		02/19/20 22:13	156-59-2	
cis-1,3-Dichloropropene	**50.0 U**	ug/L	50.0	14.4	50		02/19/20 22:13	10061-01-5	

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350186

Sample: CO46-PZMO47 **Lab ID: 30350186005** Collected: 02/14/20 12:30 Received: 02/14/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**50.0 U**	ug/L	50.0	14.1	50		02/19/20 22:13	156-60-5	
trans-1,3-Dichloropropene	**50.0 U**	ug/L	50.0	16.1	50		02/19/20 22:13	10061-02-6	
trans-1,4-Dichloro-2-butene	**250 U**	ug/L	250	29.2	50		02/19/20 22:13	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%.	70-130		50		02/19/20 22:13	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%.	70-130		50		02/19/20 22:13	17060-07-0	
Toluene-d8 (S)	104	%.	70-130		50		02/19/20 22:13	2037-26-5	
Dibromofluoromethane (S)	88	%.	70-130		50		02/19/20 22:13	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350186

Sample: CO47-PZMO46 **Lab ID: 30350186006** Collected: 02/14/20 10:40 Received: 02/14/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**50.0 U**	ug/L	50.0	27.3	50		02/19/20 22:38	630-20-6	
1,1,1-Trichloroethane	**50.0 U**	ug/L	50.0	18.8	50		02/19/20 22:38	71-55-6	
1,1,2,2-Tetrachloroethane	**50.0 U**	ug/L	50.0	23.6	50		02/19/20 22:38	79-34-5	
1,1,2-Trichloroethane	**50.0 U**	ug/L	50.0	16.6	50		02/19/20 22:38	79-00-5	
1,1-Dichloroethane	**50.0 U**	ug/L	50.0	12.0	50		02/19/20 22:38	75-34-3	
1,1-Dichloroethene	**50.0 U**	ug/L	50.0	12.0	50		02/19/20 22:38	75-35-4	
1,2,3-Trichloropropane	**50.0 U**	ug/L	50.0	29.2	50		02/19/20 22:38	96-18-4	
1,2-Dibromo-3-chloropropane	**250 U**	ug/L	250	27.4	50		02/19/20 22:38	96-12-8	
1,2-Dibromoethane (EDB)	**50.0 U**	ug/L	50.0	21.9	50		02/19/20 22:38	106-93-4	
1,2-Dichlorobenzene	**50.0 U**	ug/L	50.0	19.2	50		02/19/20 22:38	95-50-1	
1,2-Dichloroethane	**50.0 U**	ug/L	50.0	16.4	50		02/19/20 22:38	107-06-2	
1,2-Dichloropropane	**50.0 U**	ug/L	50.0	14.0	50		02/19/20 22:38	78-87-5	
1,4-Dichlorobenzene	**50.0 U**	ug/L	50.0	23.9	50		02/19/20 22:38	106-46-7	
2-Butanone (MEK)	**500 U**	ug/L	500	76.0	50		02/19/20 22:38	78-93-3	
2-Hexanone	**500 U**	ug/L	500	29.0	50		02/19/20 22:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	**500 U**	ug/L	500	21.0	50		02/19/20 22:38	108-10-1	
Acetone	**500 U**	ug/L	500	280	50		02/19/20 22:38	67-64-1	
Acrylonitrile	**200 U**	ug/L	200	27.6	50		02/19/20 22:38	107-13-1	
Benzene	**185000**	ug/L	500	169	500		02/19/20 21:36	71-43-2	
Bromochloromethane	**50.0 U**	ug/L	50.0	24.0	50		02/19/20 22:38	74-97-5	
Bromodichloromethane	**50.0 U**	ug/L	50.0	17.4	50		02/19/20 22:38	75-27-4	
Bromoform	**50.0 U**	ug/L	50.0	28.2	50		02/19/20 22:38	75-25-2	
Bromomethane	**50.0 U**	ug/L	50.0	36.4	50		02/19/20 22:38	74-83-9	
Carbon disulfide	**50.0 U**	ug/L	50.0	16.2	50		02/19/20 22:38	75-15-0	
Carbon tetrachloride	**50.0 U**	ug/L	50.0	21.8	50		02/19/20 22:38	56-23-5	
Chlorobenzene	**50.0 U**	ug/L	50.0	13.1	50		02/19/20 22:38	108-90-7	
Chloroethane	**50.0 U**	ug/L	50.0	32.1	50		02/19/20 22:38	75-00-3	
Chloroform	**50.0 U**	ug/L	50.0	19.6	50		02/19/20 22:38	67-66-3	
Chloromethane	**50.0 U**	ug/L	50.0	20.2	50		02/19/20 22:38	74-87-3	
Dibromochloromethane	**50.0 U**	ug/L	50.0	21.3	50		02/19/20 22:38	124-48-1	
Dibromomethane	**50.0 U**	ug/L	50.0	17.2	50		02/19/20 22:38	74-95-3	
Ethylbenzene	**449**	ug/L	50.0	19.9	50		02/19/20 22:38	100-41-4	
Iodomethane	**2500 U**	ug/L	2500	26.0	50		02/19/20 22:38	74-88-4	
Methyl-tert-butyl ether	**50.0 U**	ug/L	50.0	12.4	50		02/19/20 22:38	1634-04-4	
Methylene Chloride	**48.5J**	ug/L	50.0	31.9	50		02/19/20 22:38	75-09-2	
Naphthalene	**1010**	ug/L	100	41.0	50		02/19/20 22:38	91-20-3	
Styrene	**102**	ug/L	50.0	16.5	50		02/19/20 22:38	100-42-5	
Tetrachloroethene	**50.0 U**	ug/L	50.0	19.6	50		02/19/20 22:38	127-18-4	
Toluene	**17100**	ug/L	50.0	15.8	50		02/19/20 22:38	108-88-3	
Trichloroethene	**50.0 U**	ug/L	50.0	14.6	50		02/19/20 22:38	79-01-6	
Trichlorofluoromethane	**50.0 U**	ug/L	50.0	25.3	50		02/19/20 22:38	75-69-4	
Vinyl acetate	**50.0 U**	ug/L	50.0	28.6	50		02/19/20 22:38	108-05-4	
Vinyl chloride	**50.0 U**	ug/L	50.0	14.4	50		02/19/20 22:38	75-01-4	
Xylene (Total)	**4020**	ug/L	150	67.5	50		02/19/20 22:38	1330-20-7	
cis-1,2-Dichloroethene	**50.0 U**	ug/L	50.0	19.0	50		02/19/20 22:38	156-59-2	
cis-1,3-Dichloropropene	**50.0 U**	ug/L	50.0	14.4	50		02/19/20 22:38	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350186

Sample: CO47-PZMO46 **Lab ID: 30350186006** Collected: 02/14/20 10:40 Received: 02/14/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**50.0 U**	ug/L	50.0	14.1	50		02/19/20 22:38	156-60-5	
trans-1,3-Dichloropropene	**50.0 U**	ug/L	50.0	16.1	50		02/19/20 22:38	10061-02-6	
trans-1,4-Dichloro-2-butene	**250 U**	ug/L	250	29.2	50		02/19/20 22:38	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		50		02/19/20 22:38	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		50		02/19/20 22:38	17060-07-0	
Toluene-d8 (S)	103	%.	70-130		50		02/19/20 22:38	2037-26-5	
Dibromofluoromethane (S)	86	%.	70-130		50		02/19/20 22:38	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350186

Sample: CO48-PZMO44 **Lab ID: 30350186007** Collected: 02/14/20 10:10 Received: 02/14/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		02/19/20 21:49	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		02/19/20 21:49	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		02/19/20 21:49	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		02/19/20 21:49	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		02/19/20 21:49	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		02/19/20 21:49	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		02/19/20 21:49	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		02/19/20 21:49	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		02/19/20 21:49	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		02/19/20 21:49	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		02/19/20 21:49	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 21:49	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		02/19/20 21:49	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		02/19/20 21:49	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		02/19/20 21:49	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		02/19/20 21:49	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		02/19/20 21:49	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		02/19/20 21:49	107-13-1	
Benzene	**12600**	ug/L	500	169	500		02/19/20 20:47	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		02/19/20 21:49	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		02/19/20 21:49	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		02/19/20 21:49	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		02/19/20 21:49	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		02/19/20 21:49	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		02/19/20 21:49	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		02/19/20 21:49	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		02/19/20 21:49	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		02/19/20 21:49	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		02/19/20 21:49	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		02/19/20 21:49	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		02/19/20 21:49	74-95-3	
Ethylbenzene	**236**	ug/L	5.0	2.0	5		02/19/20 21:49	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		02/19/20 21:49	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		02/19/20 21:49	1634-04-4	
Methylene Chloride	**4.2J**	ug/L	5.0	3.2	5		02/19/20 21:49	75-09-2	
Naphthalene	**1300**	ug/L	10.0	4.1	5		02/19/20 21:49	91-20-3	
Styrene	**345**	ug/L	5.0	1.6	5		02/19/20 21:49	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		02/19/20 21:49	127-18-4	
Toluene	**6840**	ug/L	500	158	500		02/19/20 20:47	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		02/19/20 21:49	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		02/19/20 21:49	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		02/19/20 21:49	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 21:49	75-01-4	
Xylene (Total)	**1940**	ug/L	15.0	6.8	5		02/19/20 21:49	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		02/19/20 21:49	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 21:49	10061-01-5	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30350186

Sample: CO48-PZMO44 **Lab ID: 30350186007** Collected: 02/14/20 10:10 Received: 02/14/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B								
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		02/19/20 21:49	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		02/19/20 21:49	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		02/19/20 21:49	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%.	70-130		5		02/19/20 21:49	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		5		02/19/20 21:49	17060-07-0	
Toluene-d8 (S)	104	%.	70-130		5		02/19/20 21:49	2037-26-5	
Dibromofluoromethane (S)	85	%.	70-130		5		02/19/20 21:49	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30350186

QC Batch: 384520 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Associated Lab Samples: 30350186001, 30350186002, 30350186003, 30350186004, 30350186005, 30350186006, 30350186007

METHOD BLANK: 1863145 Matrix: Water
Associated Lab Samples: 30350186001, 30350186002, 30350186003, 30350186004, 30350186005, 30350186006, 30350186007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	02/19/20 14:24	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	02/19/20 14:24	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	02/19/20 14:24	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	02/19/20 14:24	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	02/19/20 14:24	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	02/19/20 14:24	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	02/19/20 14:24	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	02/19/20 14:24	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	02/19/20 14:24	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	02/19/20 14:24	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	02/19/20 14:24	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	02/19/20 14:24	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	02/19/20 14:24	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	02/19/20 14:24	
2-Hexanone	ug/L	10.0 U	10.0	0.58	02/19/20 14:24	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	02/19/20 14:24	
Acetone	ug/L	10.0 U	10.0	5.6	02/19/20 14:24	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	02/19/20 14:24	
Benzene	ug/L	1.0 U	1.0	0.34	02/19/20 14:24	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	02/19/20 14:24	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	02/19/20 14:24	
Bromoform	ug/L	1.0 U	1.0	0.56	02/19/20 14:24	
Bromomethane	ug/L	1.0 U	1.0	0.73	02/19/20 14:24	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	02/19/20 14:24	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	02/19/20 14:24	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	02/19/20 14:24	
Chloroethane	ug/L	1.0 U	1.0	0.64	02/19/20 14:24	
Chloroform	ug/L	1.0 U	1.0	0.39	02/19/20 14:24	
Chloromethane	ug/L	1.0 U	1.0	0.40	02/19/20 14:24	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	02/19/20 14:24	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	02/19/20 14:24	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	02/19/20 14:24	
Dibromomethane	ug/L	1.0 U	1.0	0.34	02/19/20 14:24	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	02/19/20 14:24	
Iodomethane	ug/L	50.0 U	50.0	0.52	02/19/20 14:24	
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	02/19/20 14:24	
Methylene Chloride	ug/L	0.90J	1.0	0.64	02/19/20 14:24	
Naphthalene	ug/L	2.0 U	2.0	0.82	02/19/20 14:24	
Styrene	ug/L	1.0 U	1.0	0.33	02/19/20 14:24	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	02/19/20 14:24	
Toluene	ug/L	1.0 U	1.0	0.32	02/19/20 14:24	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30350186

METHOD BLANK: 1863145 Matrix: Water
Associated Lab Samples: 30350186001, 30350186002, 30350186003, 30350186004, 30350186005, 30350186006, 30350186007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	02/19/20 14:24	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	02/19/20 14:24	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	02/19/20 14:24	
Trichloroethene	ug/L	1.0 U	1.0	0.29	02/19/20 14:24	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	02/19/20 14:24	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	02/19/20 14:24	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	02/19/20 14:24	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	02/19/20 14:24	
1,2-Dichloroethane-d4 (S)	%.	103	70-130		02/19/20 14:24	
4-Bromofluorobenzene (S)	%.	102	70-130		02/19/20 14:24	
Dibromofluoromethane (S)	%.	99	70-130		02/19/20 14:24	
Toluene-d8 (S)	%.	98	70-130		02/19/20 14:24	

LABORATORY CONTROL SAMPLE: 1863146

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.0	95	70-130	
1,1,1-Trichloroethane	ug/L	20	22.4	112	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.0	100	70-130	
1,1,2-Trichloroethane	ug/L	20	20.4	102	70-130	
1,1-Dichloroethane	ug/L	20	21.1	105	70-130	
1,1-Dichloroethene	ug/L	20	19.8	99	70-130	
1,2,3-Trichloropropane	ug/L	20	19.7	98	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	20.0	100	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	19.8	99	70-130	
1,2-Dichlorobenzene	ug/L	20	20.3	101	70-130	
1,2-Dichloroethane	ug/L	20	20.9	104	70-130	
1,2-Dichloropropane	ug/L	20	21.6	108	70-130	
1,4-Dichlorobenzene	ug/L	20	20.4	102	70-130	
2-Butanone (MEK)	ug/L	20	22.5	113	70-130	
2-Hexanone	ug/L	20	21.9	110	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	23.1	116	70-130	
Acetone	ug/L	20	22.1	111	67-173	
Acrylonitrile	ug/L	20	21.9	110	56-147	
Benzene	ug/L	20	21.7	109	70-130	
Bromochloromethane	ug/L	20	19.7	99	70-130	
Bromodichloromethane	ug/L	20	21.7	109	70-130	
Bromoform	ug/L	20	16.8	84	63-119	
Bromomethane	ug/L	20	17.1	85	24-159	
Carbon disulfide	ug/L	20	25.7	129	57-132	
Carbon tetrachloride	ug/L	20	20.6	103	70-130	
Chlorobenzene	ug/L	20	21.5	107	70-130	
Chloroethane	ug/L	20	15.6	78	62-145	
Chloroform	ug/L	20	19.6	98	70-130	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30350186

LABORATORY CONTROL SAMPLE: 1863146

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	20	15.2	76	66-140	
cis-1,2-Dichloroethene	ug/L	20	20.7	103	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.2	106	70-130	
Dibromochloromethane	ug/L	20	20.2	101	70-130	
Dibromomethane	ug/L	20	19.5	98	70-130	
Ethylbenzene	ug/L	20	21.7	109	70-130	
Iodomethane	ug/L	20	19.3J	97	10-175	
Methyl-tert-butyl ether	ug/L	20	21.5	107	70-130	
Methylene Chloride	ug/L	20	21.7	109	70-130	
Naphthalene	ug/L	20	26.5	133	55-160	
Styrene	ug/L	20	21.6	108	70-130	
Tetrachloroethene	ug/L	20	21.6	108	70-130	
Toluene	ug/L	20	21.6	108	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.4	102	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.5	107	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	22.2	111	48-131	
Trichloroethene	ug/L	20	20.4	102	70-130	
Trichlorofluoromethane	ug/L	20	19.1	96	70-130	
Vinyl acetate	ug/L	20	19.3	96	33-128	
Vinyl chloride	ug/L	20	16.1	81	70-130	
Xylene (Total)	ug/L	60	65.2	109	70-130	
1,2-Dichloroethane-d4 (S)	%.			99	70-130	
4-Bromofluorobenzene (S)	%.			100	70-130	
Dibromofluoromethane (S)	%.			98	70-130	
Toluene-d8 (S)	%.			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1863147 1863148

Parameter	Units	30350015011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	20	20	18.0	18.7	90	94	59-117	4	30	
1,1,1-Trichloroethane	ug/L	1.0 U	20	20	23.3	22.1	117	111	55-146	5	30	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	20	20	20.3	18.9	102	94	55-118	7	30	
1,1,2-Trichloroethane	ug/L	1.0 U	20	20	19.5	19.4	98	97	61-122	1	30	
1,1-Dichloroethane	ug/L	1.0 U	20	20	22.8	21.2	114	106	59-130	7	30	
1,1-Dichloroethene	ug/L	1.0 U	20	20	21.2	20.3	106	102	52-119	4	30	
1,2,3-Trichloropropane	ug/L	1.0 U	20	20	19.7	18.4	98	92	59-117	7	30	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	20	20	15.9	16.0	80	80	32-112	0	30	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	20	20	19.9	19.2	99	96	61-116	4	30	
1,2-Dichlorobenzene	ug/L	1.0 U	20	20	19.8	19.2	99	96	58-126	3	30	
1,2-Dichloroethane	ug/L	1.0 U	20	20	21.9	19.7	109	99	49-135	10	30	
1,2-Dichloropropane	ug/L	1.0 U	20	20	22.5	20.7	112	103	67-121	8	30	
1,4-Dichlorobenzene	ug/L	1.0 U	20	20	20.8	19.7	104	98	60-121	6	30	
2-Butanone (MEK)	ug/L	10.0 U	20	20	19.2	20.1	96	100	59-138	4	30	

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(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30350186

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1863147 1863148

Parameter	Units	30350015011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Hexanone	ug/L	10.0 U	20	20	21.6	21.4	108	107	66-123	1	30	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	20	20	22.0	21.2	110	106	70-130	4	30	
Acetone	ug/L	10.0 U	20	20	22.6	19.6	96	81	57-140	14	30	
Acrylonitrile	ug/L	4.0 U	20	20	22.0	19.2	110	96	47-134	13	30	
Benzene	ug/L	13.4	20	20	37.7	34.6	121	106	50-149	9	30	
Bromochloromethane	ug/L	1.0 U	20	20	21.5	19.8	108	99	63-120	8	30	
Bromodichloromethane	ug/L	1.0 U	20	20	21.6	20.6	108	103	46-131	5	30	
Bromoform	ug/L	1.0 U	20	20	14.9	14.3	75	71	30-119	4	30	
Bromomethane	ug/L	1.0 U	20	20	11.3	11.0	56	55	10-163	2	30	
Carbon disulfide	ug/L	1.0 U	20	20	27.3	26.0	136	130	41-116	5	30	MH
Carbon tetrachloride	ug/L	1.0 U	20	20	20.7	20.1	103	101	55-119	3	30	
Chlorobenzene	ug/L	1.0 U	20	20	22.0	21.4	110	107	66-124	3	30	
Chloroethane	ug/L	1.0 U	20	20	15.3	13.7	77	69	45-162	11	30	
Chloroform	ug/L	1.0 U	20	20	21.1	19.1	105	96	56-123	10	30	
Chloromethane	ug/L	1.0 U	20	20	14.5	13.7	73	69	49-150	5	30	
cis-1,2-Dichloroethene	ug/L	1.0 U	20	20	22.5	20.7	113	103	63-116	9	30	
cis-1,3-Dichloropropene	ug/L	1.0 U	20	20	21.3	20.1	106	101	46-119	6	30	
Dibromochloromethane	ug/L	1.0 U	20	20	18.1	18.1	90	90	42-120	0	30	
Dibromomethane	ug/L	1.0 U	20	20	18.9	18.1	95	90	55-117	5	30	
Ethylbenzene	ug/L	1.3	20	20	24.1	23.2	114	109	63-135	4	30	
Iodomethane	ug/L	50.0 U	20	20	21.5J	21.0J	107	105	10-175		30	
Methyl-tert-butyl ether	ug/L	1.0 U	20	20	21.3	20.1	106	100	53-123	6	30	
Methylene Chloride	ug/L	1.0 U	20	20	20.6	21.8	103	109	57-132	6	30	
Naphthalene	ug/L	97.2	20	20	118	123	105	127	30-157	4	30	
Styrene	ug/L	3.7	20	20	25.7	25.5	110	109	58-130	1	30	
Tetrachloroethene	ug/L	1.0 U	20	20	21.3	21.7	107	109	61-132	2	30	
Toluene	ug/L	3.5	20	20	25.2	25.1	108	108	59-139	0	30	
trans-1,2-Dichloroethene	ug/L	1.0 U	20	20	21.1	20.3	106	101	60-124	4	30	
trans-1,3-Dichloropropene	ug/L	1.0 U	20	20	20.1	20.0	101	100	48-121	1	30	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	20	20.8	19.8	104	99	10-111	5	30	
Trichloroethene	ug/L	1.0 U	20	20	21.7	20.4	109	102	63-128	6	30	
Trichlorofluoromethane	ug/L	1.0 U	20	20	17.9	17.1	90	86	70-152	5	30	
Vinyl acetate	ug/L	1.0 U	20	20	16.3	15.2	81	76	23-102	7	30	
Vinyl chloride	ug/L	1.0 U	20	20	15.9	14.8	79	74	67-141	7	30	
Xylene (Total)	ug/L	25.5	60	60	92.5	95.1	112	116	63-135	3	30	
1,2-Dichloroethane-d4 (S)	%.						103	98	70-130			
4-Bromofluorobenzene (S)	%.						103	101	70-130			
Dibromofluoromethane (S)	%.						95	96	70-130			
Toluene-d8 (S)	%.						95	101	70-130			

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30350186

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

SAMPLE QUALIFIERS

Sample: 30350186002
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
Sample: 30350186005
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
Sample: 30350186006
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
Sample: 30350186007
[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
Sample: 1863147
[1] Residual Chlorine was present in the VOA vial used for analysis.
Sample: 1863148
[1] Residual Chlorine was present in the VOA vial used for analysis.

ANALYTE QUALIFIERS

MH Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30350186

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30350186001	**Trip Blank**	EPA 8260B	384520		
30350186002	**CO43-PZMO48**	EPA 8260B	384520		
30350186003	**CO44-PZMO48**	EPA 8260B	384520		
30350186004	**CO45-PZMO47**	EPA 8260B	384520		
30350186005	**CO46-PZMO47**	EPA 8260B	384520		
30350186006	**CO47-PZMO46**	EPA 8260B	384520		
30350186007	**CO48-PZMO44**	EPA 8260B	384520		

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A Client Information:
EnviroAnalytics Group
1600 Sparrows Point Blvd, Suite B2
Sparrows Point, MD 21219
jcalenda@enviroanalyticsgroup.com
314-620-3056 | Fax:
Required Due Date/TAT: 5 Day

Section B Required Project Information:
Report To: James Calenda
Copy To: Stewart Kabis
Purchase Order No.: EAG-SPT-6989
Project Name: COA IM GW Sampling
Project Number:

Section C Invoice Information:
Attention: Laura Sargent
Company Name: EnviroAnalytics Group
Address: 1650 Des Peres Road, Suite 303 St. Louis, MO 63131
Pace Quote Reference:
Pace Project Manager: Samantha Bayura
Pace Profile #:

Page: 1 of 1

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER
Site Location STATE: MD

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOC + NAPH by 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
Trip Blank	WT				2/14/2020			2				2					N	X		001
CO43 - PZMO48	WT	G				1110		3				3					N	X		002
CO44 - PZMO48	WT	G				1140		3				3					N	X		003
CO45 - PZMO47	WT	G				1200		3				3					N	X		004
CO46 - PZMO47	WT	G				1230		3				3					N	X		005
CO47 - PZMO46	WT	G				1040		3				3					N	X		006
CO48 - PZMO44	WT	G				1010		3				3					N	X		007

WO# : 30350186
30350186

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	[signature] ARM	2/14/20	1515	[signature] Pace	02/14/20	1614	
	[signature] Pace	02/14/20	1930	RDS Pace	2-14-20	1925	
	RDS Pace	2-14-20	2230	[signature] Pace	2/14/2020	2230	4.3 Y N Y

SAMPLER NAME AND SIGNATURE: Leandra Glumac
PRINT Name of SAMPLER: Leandra Glumac
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 02/14/2020

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: EnviroAnalytics Project #: 30350186

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____

Label JSM
LIMS Login JSM

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Thermometer Used 9 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 4.3 °C Correction Factor: 0 °C Final Temp: 4.3 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# / Date and Initials of person examining contents: JSM 2/15/2020
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:	✓			8.
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓ ✓			10.
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: (VOA) coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix			✓	16.
All containers meet method preservation requirements.	✓			Initial when completed JSM / Date/time of preservation / Lot # of added preservative
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:	✓			18.
Trip Blank Custody Seals Present	✓			
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed: JSM / Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

May 12, 2020

Mr. James Calenda
EnviroAnalytics Group, LLC
1600 Sparrows Point Blvd
Suite B2
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30361409

Dear Mr. Calenda:

Enclosed are the analytical results for sample(s) received by the laboratory on May 04, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30361409

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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Greensburg, PA 15601
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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30361409

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30361409001	**Trip Blank**	Water	05/04/20 00:01	05/04/20 22:15
30361409002	**CO104-PZMxxx**	Water	05/04/20 09:10	05/04/20 22:15
30361409003	**CO103-PZMxxx**	Water	05/04/20 09:55	05/04/20 22:15
30361409004	**CO30-PZM015**	Water	05/04/20 10:40	05/04/20 22:15
30361409005	**CO30-PZM060**	Water	05/04/20 11:15	05/04/20 22:15
30361409006	**CO102-PZMxxx**	Water	05/04/20 12:30	05/04/20 22:15
30361409007	**CO93-PZMxxx**	Water	05/04/20 13:25	05/04/20 22:15
30361409008	**CO18-PZM006**	Water	05/04/20 14:10	05/04/20 22:15
30361409009	**CO02-PZM006**	Water	05/04/20 15:05	05/04/20 22:15

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30361409

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30361409001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30361409002	**CO104-PZMxxx**	EPA 8260B	LEL	53	PASI-PA
30361409003	**CO103-PZMxxx**	EPA 8260B	LEL	53	PASI-PA
30361409004	**CO30-PZM015**	EPA 8260B	LEL	53	PASI-PA
30361409005	**CO30-PZM060**	EPA 8260B	LEL	53	PASI-PA
30361409006	**CO102-PZMxxx**	EPA 8260B	LEL	53	PASI-PA
30361409007	**CO93-PZMxxx**	EPA 8260B	LEL	53	PASI-PA
30361409008	**CO18-PZM006**	EPA 8260B	LEL	53	PASI-PA
30361409009	**CO02-PZM006**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361409

Sample: Trip Blank **Lab ID: 30361409001** Collected: 05/04/20 00:01 Received: 05/04/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/11/20 13:06	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/11/20 13:06	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/11/20 13:06	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/11/20 13:06	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/11/20 13:06	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/11/20 13:06	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/11/20 13:06	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/11/20 13:06	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/11/20 13:06	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/11/20 13:06	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/11/20 13:06	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/11/20 13:06	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/11/20 13:06	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/11/20 13:06	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		05/11/20 13:06	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/11/20 13:06	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		05/11/20 13:06	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/11/20 13:06	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		05/11/20 13:06	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/11/20 13:06	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/11/20 13:06	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/11/20 13:06	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/11/20 13:06	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/11/20 13:06	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/11/20 13:06	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/11/20 13:06	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/11/20 13:06	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/11/20 13:06	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/11/20 13:06	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/11/20 13:06	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/11/20 13:06	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		05/11/20 13:06	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/11/20 13:06	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/11/20 13:06	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/11/20 13:06	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		05/11/20 13:06	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		05/11/20 13:06	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/11/20 13:06	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		05/11/20 13:06	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/11/20 13:06	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/11/20 13:06	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/11/20 13:06	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/11/20 13:06	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		05/11/20 13:06	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/11/20 13:06	156-59-2	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361409

Sample: Trip Blank **Lab ID: 30361409001** Collected: 05/04/20 00:01 Received: 05/04/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/11/20 13:06	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/11/20 13:06	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/11/20 13:06	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/11/20 13:06	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%.	70-130		1		05/11/20 13:06	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		1		05/11/20 13:06	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		1		05/11/20 13:06	2037-26-5	
Dibromofluoromethane (S)	100	%.	70-130		1		05/11/20 13:06	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361409

Sample: CO104-PZMxxx **Lab ID: 30361409002** Collected: 05/04/20 09:10 Received: 05/04/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/11/20 17:44	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/11/20 17:44	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/11/20 17:44	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/11/20 17:44	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/11/20 17:44	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/11/20 17:44	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/11/20 17:44	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/11/20 17:44	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/11/20 17:44	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/11/20 17:44	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/11/20 17:44	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/11/20 17:44	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/11/20 17:44	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/11/20 17:44	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		05/11/20 17:44	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/11/20 17:44	108-10-1	
Acetone	**7.0J**	ug/L	10.0	5.6	1		05/11/20 17:44	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/11/20 17:44	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		05/11/20 17:44	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/11/20 17:44	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/11/20 17:44	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/11/20 17:44	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/11/20 17:44	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/11/20 17:44	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/11/20 17:44	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/11/20 17:44	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/11/20 17:44	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/11/20 17:44	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/11/20 17:44	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/11/20 17:44	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/11/20 17:44	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		05/11/20 17:44	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/11/20 17:44	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/11/20 17:44	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/11/20 17:44	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		05/11/20 17:44	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		05/11/20 17:44	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/11/20 17:44	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		05/11/20 17:44	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/11/20 17:44	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/11/20 17:44	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/11/20 17:44	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/11/20 17:44	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		05/11/20 17:44	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/11/20 17:44	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361409

Sample: CO104-PZMxxx **Lab ID: 30361409002** Collected: 05/04/20 09:10 Received: 05/04/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/11/20 17:44	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/11/20 17:44	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/11/20 17:44	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/11/20 17:44	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		05/11/20 17:44	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%.	70-130		1		05/11/20 17:44	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		1		05/11/20 17:44	2037-26-5	
Dibromofluoromethane (S)	97	%.	70-130		1		05/11/20 17:44	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361409

Sample: CO103-PZMxxx **Lab ID: 30361409003** Collected: 05/04/20 09:55 Received: 05/04/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/11/20 18:59	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/11/20 18:59	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/11/20 18:59	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/11/20 18:59	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/11/20 18:59	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/11/20 18:59	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/11/20 18:59	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/11/20 18:59	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/11/20 18:59	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/11/20 18:59	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/11/20 18:59	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/11/20 18:59	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/11/20 18:59	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/11/20 18:59	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		05/11/20 18:59	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/11/20 18:59	108-10-1	
Acetone	**6.9J**	ug/L	10.0	5.6	1		05/11/20 18:59	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/11/20 18:59	107-13-1	
Benzene	**1310**	ug/L	50.0	16.9	50		05/11/20 17:31	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/11/20 18:59	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/11/20 18:59	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/11/20 18:59	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/11/20 18:59	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/11/20 18:59	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/11/20 18:59	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/11/20 18:59	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/11/20 18:59	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/11/20 18:59	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/11/20 18:59	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/11/20 18:59	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/11/20 18:59	74-95-3	
Ethylbenzene	**6.5**	ug/L	1.0	0.40	1		05/11/20 18:59	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/11/20 18:59	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/11/20 18:59	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/11/20 18:59	75-09-2	
Naphthalene	**177**	ug/L	2.0	0.82	1		05/11/20 18:59	91-20-3	
Styrene	**0.53J**	ug/L	1.0	0.33	1		05/11/20 18:59	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/11/20 18:59	127-18-4	
Toluene	**95.0**	ug/L	1.0	0.32	1		05/11/20 18:59	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/11/20 18:59	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/11/20 18:59	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/11/20 18:59	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/11/20 18:59	75-01-4	
Xylene (Total)	**86.3**	ug/L	3.0	1.4	1		05/11/20 18:59	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/11/20 18:59	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361409

Sample: CO103-PZMxxx **Lab ID: 30361409003** Collected: 05/04/20 09:55 Received: 05/04/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/11/20 18:59	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/11/20 18:59	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/11/20 18:59	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/11/20 18:59	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	70-130		1		05/11/20 18:59	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		1		05/11/20 18:59	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		1		05/11/20 18:59	2037-26-5	
Dibromofluoromethane (S)	98	%.	70-130		1		05/11/20 18:59	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361409

Sample: CO30-PZM015 **Lab ID: 30361409004** Collected: 05/04/20 10:40 Received: 05/04/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/11/20 19:24	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/11/20 19:24	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/11/20 19:24	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/11/20 19:24	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/11/20 19:24	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/11/20 19:24	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/11/20 19:24	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/11/20 19:24	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/11/20 19:24	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/11/20 19:24	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/11/20 19:24	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 19:24	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/11/20 19:24	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/11/20 19:24	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/11/20 19:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/11/20 19:24	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		05/11/20 19:24	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/11/20 19:24	107-13-1	
Benzene	**59300**	ug/L	500	169	500		05/11/20 17:56	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/11/20 19:24	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/11/20 19:24	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/11/20 19:24	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/11/20 19:24	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/11/20 19:24	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/11/20 19:24	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/11/20 19:24	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/11/20 19:24	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/11/20 19:24	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/11/20 19:24	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/11/20 19:24	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/11/20 19:24	74-95-3	
Ethylbenzene	**93.9**	ug/L	5.0	2.0	5		05/11/20 19:24	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/11/20 19:24	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/11/20 19:24	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/11/20 19:24	75-09-2	
Naphthalene	**2320**	ug/L	1000	410	500		05/11/20 17:56	91-20-3	
Styrene	**11.5**	ug/L	5.0	1.6	5		05/11/20 19:24	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/11/20 19:24	127-18-4	
Toluene	**4100**	ug/L	500	158	500		05/11/20 17:56	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/11/20 19:24	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/11/20 19:24	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/11/20 19:24	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 19:24	75-01-4	
Xylene (Total)	**1310**	ug/L	15.0	6.8	5		05/11/20 19:24	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/11/20 19:24	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361409

Sample: CO30-PZM015 **Lab ID: 30361409004** Collected: 05/04/20 10:40 Received: 05/04/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 19:24	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 19:24	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/11/20 19:24	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/11/20 19:24	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%.	70-130		5		05/11/20 19:24	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%.	70-130		5		05/11/20 19:24	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		5		05/11/20 19:24	2037-26-5	
Dibromofluoromethane (S)	94	%.	70-130		5		05/11/20 19:24	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361409

Sample: CO30-PZM060 **Lab ID: 30361409005** Collected: 05/04/20 11:15 Received: 05/04/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/11/20 17:18	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/11/20 17:18	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/11/20 17:18	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/11/20 17:18	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/11/20 17:18	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/11/20 17:18	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/11/20 17:18	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/11/20 17:18	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/11/20 17:18	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/11/20 17:18	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/11/20 17:18	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/11/20 17:18	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/11/20 17:18	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/11/20 17:18	78-93-3	
2-Hexanone	**1.5J**	ug/L	10.0	0.58	1		05/11/20 17:18	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/11/20 17:18	108-10-1	
Acetone	**9.5J**	ug/L	10.0	5.6	1		05/11/20 17:18	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/11/20 17:18	107-13-1	
Benzene	**7.5**	ug/L	1.0	0.34	1		05/11/20 17:18	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/11/20 17:18	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/11/20 17:18	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/11/20 17:18	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/11/20 17:18	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/11/20 17:18	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/11/20 17:18	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/11/20 17:18	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/11/20 17:18	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/11/20 17:18	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/11/20 17:18	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/11/20 17:18	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/11/20 17:18	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		05/11/20 17:18	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/11/20 17:18	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/11/20 17:18	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/11/20 17:18	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		05/11/20 17:18	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		05/11/20 17:18	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/11/20 17:18	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		05/11/20 17:18	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/11/20 17:18	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/11/20 17:18	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/11/20 17:18	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/11/20 17:18	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		05/11/20 17:18	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/11/20 17:18	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361409

Sample: CO30-PZM060 **Lab ID: 30361409005** Collected: 05/04/20 11:15 Received: 05/04/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/11/20 17:18	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/11/20 17:18	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/11/20 17:18	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/11/20 17:18	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%.	70-130		1		05/11/20 17:18	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		1		05/11/20 17:18	17060-07-0	
Toluene-d8 (S)	96	%.	70-130		1		05/11/20 17:18	2037-26-5	
Dibromofluoromethane (S)	99	%.	70-130		1		05/11/20 17:18	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361409

Sample: CO102-PZMxxx **Lab ID: 30361409006** Collected: 05/04/20 12:30 Received: 05/04/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/11/20 18:09	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/11/20 18:09	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/11/20 18:09	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/11/20 18:09	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/11/20 18:09	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/11/20 18:09	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/11/20 18:09	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/11/20 18:09	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/11/20 18:09	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/11/20 18:09	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/11/20 18:09	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 18:09	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/11/20 18:09	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/11/20 18:09	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/11/20 18:09	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/11/20 18:09	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		05/11/20 18:09	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/11/20 18:09	107-13-1	
Benzene	**11000**	ug/L	100	33.8	100		05/11/20 18:34	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/11/20 18:09	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/11/20 18:09	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/11/20 18:09	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/11/20 18:09	74-83-9	R1
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/11/20 18:09	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/11/20 18:09	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/11/20 18:09	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/11/20 18:09	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/11/20 18:09	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/11/20 18:09	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/11/20 18:09	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/11/20 18:09	74-95-3	
Ethylbenzene	**14.5**	ug/L	5.0	2.0	5		05/11/20 18:09	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/11/20 18:09	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/11/20 18:09	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/11/20 18:09	75-09-2	
Naphthalene	**728**	ug/L	10.0	4.1	5		05/11/20 18:09	91-20-3	
Styrene	**4.1J**	ug/L	5.0	1.6	5		05/11/20 18:09	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/11/20 18:09	127-18-4	
Toluene	**644**	ug/L	5.0	1.6	5		05/11/20 18:09	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/11/20 18:09	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/11/20 18:09	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/11/20 18:09	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 18:09	75-01-4	
Xylene (Total)	**161**	ug/L	15.0	6.8	5		05/11/20 18:09	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/11/20 18:09	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361409

Sample: CO102-PZMxxx **Lab ID: 30361409006** Collected: 05/04/20 12:30 Received: 05/04/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 18:09	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 18:09	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/11/20 18:09	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/11/20 18:09	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%.	70-130		5		05/11/20 18:09	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%.	70-130		5		05/11/20 18:09	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		5		05/11/20 18:09	2037-26-5	
Dibromofluoromethane (S)	97	%.	70-130		5		05/11/20 18:09	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361409

Sample: CO93-PZMxxx **Lab ID: 30361409007** Collected: 05/04/20 13:25 Received: 05/04/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/11/20 20:14	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/11/20 20:14	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/11/20 20:14	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/11/20 20:14	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/11/20 20:14	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/11/20 20:14	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/11/20 20:14	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/11/20 20:14	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/11/20 20:14	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/11/20 20:14	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/11/20 20:14	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 20:14	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/11/20 20:14	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/11/20 20:14	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/11/20 20:14	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/11/20 20:14	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		05/11/20 20:14	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/11/20 20:14	107-13-1	
Benzene	**168000**	ug/L	1000	338	1000		05/11/20 18:46	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/11/20 20:14	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/11/20 20:14	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/11/20 20:14	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/11/20 20:14	74-83-9	
Carbon disulfide	**13.2**	ug/L	5.0	1.6	5		05/11/20 20:14	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/11/20 20:14	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/11/20 20:14	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/11/20 20:14	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/11/20 20:14	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/11/20 20:14	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/11/20 20:14	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/11/20 20:14	74-95-3	
Ethylbenzene	**940**	ug/L	5.0	2.0	5		05/11/20 20:14	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/11/20 20:14	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/11/20 20:14	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/11/20 20:14	75-09-2	
Naphthalene	**1850**	ug/L	10.0	4.1	5		05/11/20 20:14	91-20-3	
Styrene	**1020**	ug/L	5.0	1.6	5		05/11/20 20:14	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/11/20 20:14	127-18-4	
Toluene	**53800**	ug/L	1000	317	1000		05/11/20 18:46	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/11/20 20:14	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/11/20 20:14	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/11/20 20:14	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 20:14	75-01-4	
Xylene (Total)	**12300**	ug/L	3000	1350	1000		05/11/20 18:46	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/11/20 20:14	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361409

Sample: CO93-PZMxxx **Lab ID: 30361409007** Collected: 05/04/20 13:25 Received: 05/04/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 20:14	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 20:14	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/11/20 20:14	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/11/20 20:14	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%.	70-130		5		05/11/20 20:14	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130		5		05/11/20 20:14	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		5		05/11/20 20:14	2037-26-5	
Dibromofluoromethane (S)	94	%.	70-130		5		05/11/20 20:14	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361409

Sample: CO18-PZM006 **Lab ID: 30361409008** Collected: 05/04/20 14:10 Received: 05/04/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/11/20 20:39	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/11/20 20:39	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/11/20 20:39	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/11/20 20:39	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/11/20 20:39	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/11/20 20:39	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/11/20 20:39	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/11/20 20:39	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/11/20 20:39	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/11/20 20:39	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/11/20 20:39	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 20:39	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/11/20 20:39	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/11/20 20:39	78-93-3	
2-Hexanone	**6.2J**	ug/L	50.0	2.9	5		05/11/20 20:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/11/20 20:39	108-10-1	
Acetone	**89.9**	ug/L	50.0	28.0	5		05/11/20 20:39	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/11/20 20:39	107-13-1	
Benzene	**415000**	ug/L	5000	1690	5000		05/11/20 19:37	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/11/20 20:39	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/11/20 20:39	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/11/20 20:39	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/11/20 20:39	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/11/20 20:39	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/11/20 20:39	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/11/20 20:39	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/11/20 20:39	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/11/20 20:39	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/11/20 20:39	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/11/20 20:39	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/11/20 20:39	74-95-3	
Ethylbenzene	**70.1**	ug/L	5.0	2.0	5		05/11/20 20:39	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/11/20 20:39	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/11/20 20:39	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/11/20 20:39	75-09-2	
Naphthalene	**177**	ug/L	10.0	4.1	5		05/11/20 20:39	91-20-3	
Styrene	**4.6J**	ug/L	5.0	1.6	5		05/11/20 20:39	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/11/20 20:39	127-18-4	
Toluene	**20400**	ug/L	1000	317	1000		05/11/20 19:11	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/11/20 20:39	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/11/20 20:39	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/11/20 20:39	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 20:39	75-01-4	
Xylene (Total)	**1890**	ug/L	15.0	6.8	5		05/11/20 20:39	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/11/20 20:39	156-59-2	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361409

Sample: CO18-PZM006 **Lab ID: 30361409008** Collected: 05/04/20 14:10 Received: 05/04/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 20:39	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 20:39	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/11/20 20:39	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/11/20 20:39	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%.	70-130		5		05/11/20 20:39	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%.	70-130		5		05/11/20 20:39	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		5		05/11/20 20:39	2037-26-5	
Dibromofluoromethane (S)	93	%.	70-130		5		05/11/20 20:39	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361409

Sample: CO02-PZM006 **Lab ID: 30361409009** Collected: 05/04/20 15:05 Received: 05/04/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/11/20 19:49	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/11/20 19:49	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/11/20 19:49	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/11/20 19:49	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/11/20 19:49	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/11/20 19:49	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/11/20 19:49	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/11/20 19:49	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/11/20 19:49	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/11/20 19:49	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/11/20 19:49	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 19:49	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/11/20 19:49	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/11/20 19:49	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/11/20 19:49	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/11/20 19:49	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		05/11/20 19:49	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/11/20 19:49	107-13-1	
Benzene	**93000**	ug/L	1000	338	1000		05/11/20 18:21	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/11/20 19:49	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/11/20 19:49	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/11/20 19:49	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/11/20 19:49	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/11/20 19:49	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/11/20 19:49	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/11/20 19:49	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/11/20 19:49	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/11/20 19:49	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/11/20 19:49	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/11/20 19:49	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/11/20 19:49	74-95-3	
Ethylbenzene	**276**	ug/L	5.0	2.0	5		05/11/20 19:49	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/11/20 19:49	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/11/20 19:49	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/11/20 19:49	75-09-2	
Naphthalene	**242**	ug/L	10.0	4.1	5		05/11/20 19:49	91-20-3	
Styrene	**3.2J**	ug/L	5.0	1.6	5		05/11/20 19:49	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/11/20 19:49	127-18-4	
Toluene	**103**	ug/L	5.0	1.6	5		05/11/20 19:49	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/11/20 19:49	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/11/20 19:49	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/11/20 19:49	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 19:49	75-01-4	
Xylene (Total)	**460**	ug/L	15.0	6.8	5		05/11/20 19:49	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/11/20 19:49	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361409

Sample: CO02-PZM006 **Lab ID: 30361409009** Collected: 05/04/20 15:05 Received: 05/04/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 19:49	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/11/20 19:49	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/11/20 19:49	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/11/20 19:49	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	70-130		5		05/11/20 19:49	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		5		05/11/20 19:49	17060-07-0	
Toluene-d8 (S)	98	%.	70-130		5		05/11/20 19:49	2037-26-5	
Dibromofluoromethane (S)	89	%.	70-130		5		05/11/20 19:49	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30361409

QC Batch: 395720 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30361409001, 30361409002, 30361409003, 30361409004, 30361409005, 30361409006, 30361409007, 30361409008, 30361409009

METHOD BLANK: 1917090 Matrix: Water
Associated Lab Samples: 30361409001, 30361409002, 30361409003, 30361409004, 30361409005, 30361409006, 30361409007, 30361409008, 30361409009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	05/11/20 12:41	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	05/11/20 12:41	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	05/11/20 12:41	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	05/11/20 12:41	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	05/11/20 12:41	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	05/11/20 12:41	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	05/11/20 12:41	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	05/11/20 12:41	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	05/11/20 12:41	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	05/11/20 12:41	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	05/11/20 12:41	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	05/11/20 12:41	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	05/11/20 12:41	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	05/11/20 12:41	
2-Hexanone	ug/L	10.0 U	10.0	0.58	05/11/20 12:41	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	05/11/20 12:41	
Acetone	ug/L	10.0 U	10.0	5.6	05/11/20 12:41	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	05/11/20 12:41	
Benzene	ug/L	1.0 U	1.0	0.34	05/11/20 12:41	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	05/11/20 12:41	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	05/11/20 12:41	
Bromoform	ug/L	1.0 U	1.0	0.56	05/11/20 12:41	
Bromomethane	ug/L	1.0 U	1.0	0.73	05/11/20 12:41	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	05/11/20 12:41	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	05/11/20 12:41	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	05/11/20 12:41	
Chloroethane	ug/L	1.0 U	1.0	0.64	05/11/20 12:41	
Chloroform	ug/L	1.0 U	1.0	0.39	05/11/20 12:41	
Chloromethane	ug/L	1.0 U	1.0	0.40	05/11/20 12:41	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	05/11/20 12:41	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	05/11/20 12:41	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	05/11/20 12:41	
Dibromomethane	ug/L	1.0 U	1.0	0.34	05/11/20 12:41	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	05/11/20 12:41	
Iodomethane	ug/L	50.0 U	50.0	0.52	05/11/20 12:41	IH
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	05/11/20 12:41	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	05/11/20 12:41	
Naphthalene	ug/L	2.0 U	2.0	0.82	05/11/20 12:41	
Styrene	ug/L	1.0 U	1.0	0.33	05/11/20 12:41	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30361409

METHOD BLANK: 1917090 Matrix: Water

Associated Lab Samples: 30361409001, 30361409002, 30361409003, 30361409004, 30361409005, 30361409006, 30361409007, 30361409008, 30361409009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	05/11/20 12:41	
Toluene	ug/L	1.0 U	1.0	0.32	05/11/20 12:41	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	05/11/20 12:41	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	05/11/20 12:41	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	05/11/20 12:41	
Trichloroethene	ug/L	1.0 U	1.0	0.29	05/11/20 12:41	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	05/11/20 12:41	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	05/11/20 12:41	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	05/11/20 12:41	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	05/11/20 12:41	
1,2-Dichloroethane-d4 (S)	%.	102	70-130		05/11/20 12:41	
4-Bromofluorobenzene (S)	%.	96	70-130		05/11/20 12:41	
Dibromofluoromethane (S)	%.	102	70-130		05/11/20 12:41	
Toluene-d8 (S)	%.	94	70-130		05/11/20 12:41	

LABORATORY CONTROL SAMPLE: 1917091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.4	102	70-130	
1,1,1-Trichloroethane	ug/L	20	23.5	117	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.5	113	70-130	
1,1,2-Trichloroethane	ug/L	20	21.7	109	70-130	
1,1-Dichloroethane	ug/L	20	21.5	107	70-130	
1,1-Dichloroethene	ug/L	20	19.8	99	70-130	
1,2,3-Trichloropropane	ug/L	20	21.2	106	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	20.0	100	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	20.8	104	70-130	
1,2-Dichlorobenzene	ug/L	20	21.8	109	70-130	
1,2-Dichloroethane	ug/L	20	21.9	110	70-130	
1,2-Dichloropropane	ug/L	20	21.1	105	70-130	
1,4-Dichlorobenzene	ug/L	20	21.6	108	70-130	
2-Butanone (MEK)	ug/L	20	23.1	116	70-130	
2-Hexanone	ug/L	20	23.8	119	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	22.8	114	70-130	
Acetone	ug/L	20	20.0	100	67-173	
Acrylonitrile	ug/L	20	23.4	117	56-147	
Benzene	ug/L	20	22.2	111	70-130	
Bromochloromethane	ug/L	20	22.6	113	70-130	
Bromodichloromethane	ug/L	20	22.8	114	70-130	
Bromoform	ug/L	20	21.3	106	63-119	
Bromomethane	ug/L	20	23.0	115	24-159	
Carbon disulfide	ug/L	20	22.9	115	57-132	
Carbon tetrachloride	ug/L	20	20.8	104	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30361409

LABORATORY CONTROL SAMPLE: 1917091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	20	21.2	106	70-130	
Chloroethane	ug/L	20	25.3	127	62-145	
Chloroform	ug/L	20	20.3	101	70-130	
Chloromethane	ug/L	20	21.8	109	66-140	
cis-1,2-Dichloroethene	ug/L	20	20.6	103	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.8	104	70-130	
Dibromochloromethane	ug/L	20	20.9	105	70-130	
Dibromomethane	ug/L	20	19.2	96	70-130	
Ethylbenzene	ug/L	20	22.0	110	70-130	
Iodomethane	ug/L	20	26.8J	134	10-175	IH
Methyl-tert-butyl ether	ug/L	20	20.7	104	70-130	
Methylene Chloride	ug/L	20	21.6	108	70-130	
Naphthalene	ug/L	20	21.6	108	55-160	
Styrene	ug/L	20	22.4	112	70-130	
Tetrachloroethene	ug/L	20	21.5	107	70-130	
Toluene	ug/L	20	21.9	109	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.8	104	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.2	106	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	24.0	120	48-131	
Trichloroethene	ug/L	20	21.3	107	70-130	
Trichlorofluoromethane	ug/L	20	25.1	126	70-130	
Vinyl acetate	ug/L	20	17.6	88	33-128	
Vinyl chloride	ug/L	20	23.5	118	70-130	
Xylene (Total)	ug/L	60	66.1	110	70-130	
1,2-Dichloroethane-d4 (S)	%.			100	70-130	
4-Bromofluorobenzene (S)	%.			98	70-130	
Dibromofluoromethane (S)	%.			100	70-130	
Toluene-d8 (S)	%.			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1917092 1917093

Parameter	Units	30361409006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	5.0 U	100	100	71.0	65.7	71	66	59-117	8	30	
1,1,1-Trichloroethane	ug/L	5.0 U	100	100	82.7	79.0	83	79	55-146	5	30	
1,1,2,2-Tetrachloroethane	ug/L	5.0 U	100	100	77.2	75.9	77	76	55-118	2	30	
1,1,2-Trichloroethane	ug/L	5.0 U	100	100	76.8	72.1	77	72	61-122	6	30	
1,1-Dichloroethane	ug/L	5.0 U	100	100	80.4	73.1	80	73	59-130	10	30	
1,1-Dichloroethene	ug/L	5.0 U	100	100	71.6	69.5	72	70	52-119	3	30	
1,2,3-Trichloropropane	ug/L	5.0 U	100	100	75.6	73.3	76	73	59-117	3	30	
1,2-Dibromo-3-chloropropane	ug/L	25.0 U	100	100	65.8	63.3	66	63	32-112	4	30	
1,2-Dibromoethane (EDB)	ug/L	5.0 U	100	100	74.2	72.7	74	73	61-116	2	30	
1,2-Dichlorobenzene	ug/L	5.0 U	100	100	76.3	72.0	76	72	58-126	6	30	
1,2-Dichloroethane	ug/L	5.0 U	100	100	79.8	74.2	80	74	49-135	7	30	

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REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30361409

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1917092 1917093

Parameter	Units	30361409006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloropropane	ug/L	5.0 U	100	100	77.3	71.4	77	71	67-121	8	30	
1,4-Dichlorobenzene	ug/L	5.0 U	100	100	74.5	70.8	75	71	60-121	5	30	
2-Butanone (MEK)	ug/L	50.0 U	100	100	99.9	92.1	100	92	59-138	8	30	
2-Hexanone	ug/L	50.0 U	100	100	100	100	100	100	66-123	0	30	
4-Methyl-2-pentanone (MIBK)	ug/L	50.0 U	100	100	93.2	97.4	93	97	70-130	4	30	
Acetone	ug/L	50.0 U	100	100	102	104	90	92	57-140	2	30	
Acrylonitrile	ug/L	20.0 U	100	100	110	101	110	101	47-134	9	30	
Benzene	ug/L	11000	2000	2000	13200	12500	112	78	50-149	5	30	
Bromochloromethane	ug/L	5.0 U	100	100	81.4	69.6	81	70	63-120	16	30	
Bromodichloromethane	ug/L	5.0 U	100	100	76.2	74.6	76	75	46-131	2	30	
Bromoform	ug/L	5.0 U	100	100	64.4	62.1	64	62	30-119	4	30	
Bromomethane	ug/L	5.0 U	100	100	19.1	42.0	18	40	10-163	75	30	R1
Carbon disulfide	ug/L	5.0 U	100	100	94.3	96.1	94	96	41-116	2	30	
Carbon tetrachloride	ug/L	5.0 U	100	100	73.1	69.1	73	69	55-119	6	30	
Chlorobenzene	ug/L	5.0 U	100	100	77.7	72.9	78	73	66-124	6	30	
Chloroethane	ug/L	5.0 U	100	100	89.7	90.6	90	91	45-162	1	30	
Chloroform	ug/L	5.0 U	100	100	74.4	69.9	74	70	56-123	6	30	
Chloromethane	ug/L	5.0 U	100	100	79.5	90.8	79	91	49-150	13	30	
cis-1,2-Dichloroethene	ug/L	5.0 U	100	100	75.0	71.7	75	72	63-116	5	30	
cis-1,3-Dichloropropene	ug/L	5.0 U	100	100	71.1	68.4	71	68	46-119	4	30	
Dibromochloromethane	ug/L	5.0 U	100	100	68.1	62.7	68	63	42-120	8	30	
Dibromomethane	ug/L	5.0 U	100	100	68.9	62.0	69	62	55-117	10	30	
Ethylbenzene	ug/L	14.5	100	100	97.0	86.9	83	72	63-135	11	30	
Iodomethane	ug/L	250 U	100	100	28.7J	73.6J	29	74	10-175		30	IH
Methyl-tert-butyl ether	ug/L	5.0 U	100	100	88.1	86.6	88	87	53-123	2	30	
Methylene Chloride	ug/L	5.0 U	100	100	78.4	74.3	78	74	57-132	5	30	
Naphthalene	ug/L	728	100	100	802	801	74	73	30-157	0	30	
Styrene	ug/L	4.1J	100	100	81.9	81.7	78	78	58-130	0	30	
Tetrachloroethene	ug/L	5.0 U	100	100	79.4	73.8	79	74	61-132	7	30	
Toluene	ug/L	644	100	100	755	743	111	99	59-139	2	30	
trans-1,2-Dichloroethene	ug/L	5.0 U	100	100	73.4	72.1	73	72	60-124	2	30	
trans-1,3-Dichloropropene	ug/L	5.0 U	100	100	71.7	67.9	72	68	48-121	5	30	
trans-1,4-Dichloro-2-butene	ug/L	25.0 U	100	100	83.4	83.4	83	83	10-111	0	30	
Trichloroethene	ug/L	5.0 U	100	100	76.6	70.9	77	71	63-128	8	30	
Trichlorofluoromethane	ug/L	5.0 U	100	100	106	103	106	103	70-152	3	30	
Vinyl acetate	ug/L	5.0 U	100	100	72.2	73.6	72	74	23-102	2	30	
Vinyl chloride	ug/L	5.0 U	100	100	96.0	97.9	96	98	67-141	2	30	
Xylene (Total)	ug/L	161	300	300	409	395	83	78	63-135	4	30	
1,2-Dichloroethane-d4 (S)	%.						100	110	70-130			
4-Bromofluorobenzene (S)	%.						101	98	70-130			
Dibromofluoromethane (S)	%.						96	99	70-130			
Toluene-d8 (S)	%.						98	99	70-130			

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REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30361409

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
R1	RPD value was outside control limits.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30361409

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30361409001	**Trip Blank**	EPA 8260B	395720		
30361409002	**CO104-PZMxxx**	EPA 8260B	395720		
30361409003	**CO103-PZMxxx**	EPA 8260B	395720		
30361409004	**CO30-PZM015**	EPA 8260B	395720		
30361409005	**CO30-PZM060**	EPA 8260B	395720		
30361409006	**CO102-PZMxxx**	EPA 8260B	395720		
30361409007	**CO93-PZMxxx**	EPA 8260B	395720		
30361409008	**CO18-PZM006**	EPA 8260B	395720		
30361409009	**CO02-PZM006**	EPA 8260B	395720		

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www.pacelabs.com

WO# : 30361409

30361409

A Client Information:
EnviroAnalytics Group
1600 Sparrows Point Blvd, Suite B2
Sparrows Point, MD 21219
jcalenda@enviroanalyticsgroup.com
314-620-3056 | Fax:
Due Date/TAT: 5 Day

Section B Required Project Information:
Report To: James Calenda
Copy To: Stewart Kabis
Purchase Order No.: EAG-SPT-6989
Project Name: COA IM GW Sampling
Project Number:

Section C Invoice Information:
Attention: Laura Sargent
Company Name: EnviroAnalytics Group
Address: 1650 Des Peres Road, Suite 303 St. Louis, MO 63131
Pace Quote Reference:
Pace Project Manager: Samantha Bayura
Pace Profile #:

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER
Site Location STATE: MD

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: VOC + NAPH by 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
Trip Blank	WT				05/04/2020			2				2					X		001
C0104-PZMxxx	WT	G				0910		3				3					X		002
C0103-PZMxxx	WT	G				0955		3				3					X		003
C030-PZM015	WT	G				1040		3				3					X		004
C030-PZM060	WT	G				1115		3				3					X		005
C0102-PZMxxx	WT	G				1230		3				3					X		006
C093-PZMxxx	WT	G				1325		3				3					X		007
C018-PZM006	WT	G				1410		3				3					X		008
C002-PZM006	WT	G				1505		3				3					X		009

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO	[signature] AMB/Pace	5/4/20	1530	AMB/Pace	5/4/20	1545				
NO	AMB/Pace	5/4/20	1905	RDS Pace	5-4-20	1910		Y		
	RDS Pace	5-4-20	2215	Maxim 1 (Day)	5-4-20	2215	2.2	Y	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Leandra M Glumac
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 05/04/20

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: EnviroAnalytics Group Project # #_30361409

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____

Tracking #: N/A

Label MLC
LIMS Login MLC

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Thermometer Used 10 Type of Ice: Wet Blue None

Cooler Temperature Observed Temp 2.5 °C Correction Factor: .3 °C Final Temp: 2.2 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# N/A	Date and initials of person examining contents: MLC 5/5/2020
Chain of Custody Present:	✓			1.	
Chain of Custody Filled Out:	✓			2.	
Chain of Custody Relinquished:	✓			3.	
Sampler Name & Signature on COC:	✓			4.	
Sample Labels match COC:	✓			5.	
-Includes date/time/ID Matrix: WT					
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):		✓		7.	
Rush Turn Around Time Requested:	✓			8.	
Sufficient Volume:	✓			9.	
Correct Containers Used:	✓			10.	
-Pace Containers Used:	✓				
Containers Intact:	✓			11.	
Orthophosphate field filtered			✓	12.	
Hex Cr Aqueous sample field filtered			✓	13.	
Organic Samples checked for dechlorination:			✓	14.	
Filtered volume received for Dissolved tests			✓	15.	
All containers have been checked for preservation. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix		✓		16.	
All containers meet method preservation requirements.	✓			Initial when completed MLC	Date/time of preservation
				Lot # of added preservative	
Headspace in VOA Vials (>6mm):		✓		17.	
Trip Blank Present:	✓			18.	
Trip Blank Custody Seals Present	✓				
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed:	Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

J:\QAQC\Master\Document Management\Sample Mgt\Sample Condition Upon Receipt Pittsburgh (C056-9 5April2019)

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

May 15, 2020

Mr. James Calenda
EnviroAnalytics Group, LLC
1600 Sparrows Point Blvd
Suite B2
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30361657

Dear Mr. Calenda:

Enclosed are the analytical results for sample(s) received by the laboratory on May 05, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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Greensburg, PA 15601
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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30361657

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30361657001	**Trip Blank**	Water	05/05/20 00:01	05/05/20 22:45
30361657002	**C036-PZM008**	Water	05/05/20 09:10	05/05/20 22:45
30361657003	**C036-PZM043**	Water	05/05/20 09:50	05/05/20 22:45
30361657004	**C038-PZM006**	Water	05/05/20 10:25	05/05/20 22:45
30361657005	**C038-PZM043**	Water	05/05/20 10:55	05/05/20 22:45
30361657006	**C027-PZM012**	Water	05/05/20 11:40	05/05/20 22:45
30361657007	**C027-PZM046**	Water	05/05/20 12:15	05/05/20 22:45
30361657008	**C039-PZM007**	Water	05/05/20 13:05	05/05/20 22:45
30361657009	**C039-PZM042**	Water	05/05/20 13:40	05/05/20 22:45
30361657010	**C040-PZM008**	Water	05/05/20 14:20	05/05/20 22:45
30361657011	**C042-PZM004**	Water	05/05/20 14:55	05/05/20 22:45
30361657012	**C0101-PZMxxx**	Water	05/05/20 08:15	05/05/20 22:45

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Greensburg, PA 15601
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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30361657

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30361657001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30361657002	**C036-PZM008**	EPA 8260B	LEL	53	PASI-PA
30361657003	**C036-PZM043**	EPA 8260B	LEL	53	PASI-PA
30361657004	**C038-PZM006**	EPA 8260B	LEL	53	PASI-PA
30361657005	**C038-PZM043**	EPA 8260B	LEL	53	PASI-PA
30361657006	**C027-PZM012**	EPA 8260B	LEL	53	PASI-PA
30361657007	**C027-PZM046**	EPA 8260B	LEL	53	PASI-PA
30361657008	**C039-PZM007**	EPA 8260B	LEL	53	PASI-PA
30361657009	**C039-PZM042**	EPA 8260B	LEL	53	PASI-PA
30361657010	**C040-PZM008**	EPA 8260B	LEL	53	PASI-PA
30361657011	**C042-PZM004**	EPA 8260B	LEL	53	PASI-PA
30361657012	**C0101-PZMxxx**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: Trip Blank **Lab ID: 30361657001** Collected: 05/05/20 00:01 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/13/20 12:48	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 12:48	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/13/20 12:48	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 12:48	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/13/20 12:48	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/13/20 12:48	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/13/20 12:48	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/13/20 12:48	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/13/20 12:48	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 12:48	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 12:48	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/13/20 12:48	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/13/20 12:48	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/13/20 12:48	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		05/13/20 12:48	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/13/20 12:48	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		05/13/20 12:48	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/13/20 12:48	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		05/13/20 12:48	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/13/20 12:48	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/13/20 12:48	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/13/20 12:48	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/13/20 12:48	74-83-9	CL
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 12:48	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/13/20 12:48	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/13/20 12:48	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/13/20 12:48	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/13/20 12:48	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/13/20 12:48	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/13/20 12:48	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/13/20 12:48	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		05/13/20 12:48	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/13/20 12:48	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/13/20 12:48	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/13/20 12:48	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		05/13/20 12:48	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 12:48	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/13/20 12:48	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 12:48	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 12:48	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/13/20 12:48	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/13/20 12:48	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 12:48	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		05/13/20 12:48	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 12:48	156-59-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: Trip Blank **Lab ID: 30361657001** Collected: 05/05/20 00:01 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 12:48	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/13/20 12:48	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 12:48	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/13/20 12:48	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%.	70-130		1		05/13/20 12:48	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%.	70-130		1		05/13/20 12:48	17060-07-0	
Toluene-d8 (S)	93	%.	70-130		1		05/13/20 12:48	2037-26-5	
Dibromofluoromethane (S)	104	%.	70-130		1		05/13/20 12:48	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C036-PZM008 **Lab ID: 30361657002** Collected: 05/05/20 09:10 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/13/20 19:28	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 19:28	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 19:28	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 19:28	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 19:28	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 19:28	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 19:28	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/13/20 19:28	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 19:28	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 19:28	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 19:28	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 19:28	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 19:28	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/13/20 19:28	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/13/20 19:28	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/13/20 19:28	108-10-1	
Acetone	**29.0J**	ug/L	50.0	28.0	5		05/13/20 19:28	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/13/20 19:28	107-13-1	
Benzene	**10000**	ug/L	500	169	500		05/13/20 19:15	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 19:28	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 19:28	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/13/20 19:28	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/13/20 19:28	74-83-9	CL
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 19:28	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 19:28	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/13/20 19:28	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 19:28	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 19:28	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 19:28	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/13/20 19:28	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 19:28	74-95-3	
Ethylbenzene	**46.1**	ug/L	5.0	2.0	5		05/13/20 19:28	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/13/20 19:28	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 19:28	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 19:28	75-09-2	
Naphthalene	**456**	ug/L	10.0	4.1	5		05/13/20 19:28	91-20-3	
Styrene	**12.9**	ug/L	5.0	1.6	5		05/13/20 19:28	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 19:28	127-18-4	
Toluene	**2430**	ug/L	500	158	500		05/13/20 19:15	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/13/20 19:28	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/13/20 19:28	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 19:28	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 19:28	75-01-4	
Xylene (Total)	**834**	ug/L	15.0	6.8	5		05/13/20 19:28	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 19:28	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C036-PZM008 **Lab ID: 30361657002** Collected: 05/05/20 09:10 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 19:28	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 19:28	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 19:28	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/13/20 19:28	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%.	70-130		5		05/13/20 19:28	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130		5		05/13/20 19:28	17060-07-0	
Toluene-d8 (S)	94	%.	70-130		5		05/13/20 19:28	2037-26-5	
Dibromofluoromethane (S)	96	%.	70-130		5		05/13/20 19:28	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C036-PZM043 **Lab ID: 30361657003** Collected: 05/05/20 09:50 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/13/20 19:53	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 19:53	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 19:53	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 19:53	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 19:53	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 19:53	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 19:53	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/13/20 19:53	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 19:53	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 19:53	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 19:53	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 19:53	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 19:53	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/13/20 19:53	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/13/20 19:53	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/13/20 19:53	108-10-1	
Acetone	**30.7J**	ug/L	50.0	28.0	5		05/13/20 19:53	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/13/20 19:53	107-13-1	
Benzene	**16400**	ug/L	500	169	500		05/13/20 19:40	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 19:53	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 19:53	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/13/20 19:53	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/13/20 19:53	74-83-9	CL
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 19:53	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 19:53	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/13/20 19:53	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 19:53	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 19:53	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 19:53	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/13/20 19:53	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 19:53	74-95-3	
Ethylbenzene	**45.5**	ug/L	5.0	2.0	5		05/13/20 19:53	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/13/20 19:53	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 19:53	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 19:53	75-09-2	
Naphthalene	**566**	ug/L	10.0	4.1	5		05/13/20 19:53	91-20-3	
Styrene	**10.1**	ug/L	5.0	1.6	5		05/13/20 19:53	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 19:53	127-18-4	
Toluene	**2330**	ug/L	500	158	500		05/13/20 19:40	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/13/20 19:53	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/13/20 19:53	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 19:53	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 19:53	75-01-4	
Xylene (Total)	**675**	ug/L	15.0	6.8	5		05/13/20 19:53	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 19:53	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C036-PZM043 **Lab ID: 30361657003** Collected: 05/05/20 09:50 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 19:53	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 19:53	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 19:53	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/13/20 19:53	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		5		05/13/20 19:53	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		5		05/13/20 19:53	17060-07-0	
Toluene-d8 (S)	96	%.	70-130		5		05/13/20 19:53	2037-26-5	
Dibromofluoromethane (S)	96	%.	70-130		5		05/13/20 19:53	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C038-PZM006 **Lab ID: 30361657004** Collected: 05/05/20 10:25 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/13/20 16:59	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 16:59	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/13/20 16:59	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 16:59	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/13/20 16:59	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/13/20 16:59	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/13/20 16:59	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/13/20 16:59	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/13/20 16:59	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 16:59	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 16:59	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/13/20 16:59	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/13/20 16:59	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/13/20 16:59	78-93-3	
2-Hexanone	**1.4J**	ug/L	10.0	0.58	1		05/13/20 16:59	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/13/20 16:59	108-10-1	
Acetone	**15.0**	ug/L	10.0	5.6	1		05/13/20 16:59	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/13/20 16:59	107-13-1	
Benzene	**4670**	ug/L	50.0	16.9	50		05/13/20 16:46	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/13/20 16:59	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/13/20 16:59	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/13/20 16:59	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/13/20 16:59	74-83-9	CL
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 16:59	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/13/20 16:59	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/13/20 16:59	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/13/20 16:59	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/13/20 16:59	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/13/20 16:59	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/13/20 16:59	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/13/20 16:59	74-95-3	
Ethylbenzene	**64.0**	ug/L	1.0	0.40	1		05/13/20 16:59	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/13/20 16:59	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/13/20 16:59	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/13/20 16:59	75-09-2	
Naphthalene	**1990**	ug/L	100	41.0	50		05/13/20 16:46	91-20-3	
Styrene	**43.2**	ug/L	1.0	0.33	1		05/13/20 16:59	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/13/20 16:59	127-18-4	
Toluene	**1070**	ug/L	50.0	15.8	50		05/13/20 16:46	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 16:59	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/13/20 16:59	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/13/20 16:59	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 16:59	75-01-4	
Xylene (Total)	**503**	ug/L	3.0	1.4	1		05/13/20 16:59	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 16:59	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C038-PZM006 **Lab ID: 30361657004** Collected: 05/05/20 10:25 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 16:59	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/13/20 16:59	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 16:59	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/13/20 16:59	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%.	70-130		1		05/13/20 16:59	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130		1		05/13/20 16:59	17060-07-0	
Toluene-d8 (S)	98	%.	70-130		1		05/13/20 16:59	2037-26-5	
Dibromofluoromethane (S)	91	%.	70-130		1		05/13/20 16:59	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C038-PZM043 **Lab ID: 30361657005** Collected: 05/05/20 10:55 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/13/20 13:13	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 13:13	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/13/20 13:13	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 13:13	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/13/20 13:13	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/13/20 13:13	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/13/20 13:13	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/13/20 13:13	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/13/20 13:13	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 13:13	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 13:13	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/13/20 13:13	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/13/20 13:13	106-46-7	
2-Butanone (MEK)	**5.9J**	ug/L	10.0	1.5	1		05/13/20 13:13	78-93-3	
2-Hexanone	**3.3J**	ug/L	10.0	0.58	1		05/13/20 13:13	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/13/20 13:13	108-10-1	
Acetone	**27.6**	ug/L	10.0	5.6	1		05/13/20 13:13	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/13/20 13:13	107-13-1	
Benzene	**1.1**	ug/L	1.0	0.34	1		05/13/20 13:13	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/13/20 13:13	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/13/20 13:13	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/13/20 13:13	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/13/20 13:13	74-83-9	CL,ML
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 13:13	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/13/20 13:13	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/13/20 13:13	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/13/20 13:13	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/13/20 13:13	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/13/20 13:13	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/13/20 13:13	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/13/20 13:13	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		05/13/20 13:13	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/13/20 13:13	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/13/20 13:13	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/13/20 13:13	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		05/13/20 13:13	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 13:13	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/13/20 13:13	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 13:13	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 13:13	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/13/20 13:13	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/13/20 13:13	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 13:13	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		05/13/20 13:13	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 13:13	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C038-PZM043 **Lab ID: 30361657005** Collected: 05/05/20 10:55 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 13:13	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/13/20 13:13	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 13:13	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/13/20 13:13	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%.	70-130		1		05/13/20 13:13	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%.	70-130		1		05/13/20 13:13	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		1		05/13/20 13:13	2037-26-5	
Dibromofluoromethane (S)	103	%.	70-130		1		05/13/20 13:13	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C027-PZM012 **Lab ID: 30361657006** Collected: 05/05/20 11:40 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/13/20 17:49	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 17:49	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 17:49	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 17:49	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 17:49	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 17:49	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 17:49	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/13/20 17:49	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 17:49	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 17:49	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 17:49	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 17:49	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 17:49	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/13/20 17:49	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/13/20 17:49	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/13/20 17:49	108-10-1	
Acetone	**28.3J**	ug/L	50.0	28.0	5		05/13/20 17:49	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/13/20 17:49	107-13-1	
Benzene	**3700**	ug/L	100	33.8	100		05/13/20 17:36	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 17:49	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 17:49	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/13/20 17:49	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/13/20 17:49	74-83-9	CL
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 17:49	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 17:49	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/13/20 17:49	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 17:49	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 17:49	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 17:49	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/13/20 17:49	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 17:49	74-95-3	
Ethylbenzene	**39.1**	ug/L	5.0	2.0	5		05/13/20 17:49	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/13/20 17:49	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 17:49	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 17:49	75-09-2	
Naphthalene	**365**	ug/L	10.0	4.1	5		05/13/20 17:49	91-20-3	
Styrene	**29.4**	ug/L	5.0	1.6	5		05/13/20 17:49	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 17:49	127-18-4	
Toluene	**653**	ug/L	5.0	1.6	5		05/13/20 17:49	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/13/20 17:49	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/13/20 17:49	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 17:49	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 17:49	75-01-4	
Xylene (Total)	**299**	ug/L	15.0	6.8	5		05/13/20 17:49	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 17:49	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C027-PZM012 **Lab ID: 30361657006** Collected: 05/05/20 11:40 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 17:49	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 17:49	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 17:49	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/13/20 17:49	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%.	70-130		5		05/13/20 17:49	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		5		05/13/20 17:49	17060-07-0	
Toluene-d8 (S)	94	%.	70-130		5		05/13/20 17:49	2037-26-5	
Dibromofluoromethane (S)	98	%.	70-130		5		05/13/20 17:49	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C027-PZM046 **Lab ID: 30361657007** Collected: 05/05/20 12:15 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/13/20 20:43	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 20:43	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 20:43	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 20:43	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 20:43	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 20:43	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 20:43	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/13/20 20:43	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 20:43	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 20:43	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 20:43	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 20:43	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 20:43	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/13/20 20:43	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/13/20 20:43	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/13/20 20:43	108-10-1	
Acetone	**36.4J**	ug/L	50.0	28.0	5		05/13/20 20:43	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/13/20 20:43	107-13-1	
Benzene	**28200**	ug/L	1000	338	1000		05/13/20 20:30	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 20:43	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 20:43	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/13/20 20:43	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/13/20 20:43	74-83-9	CL
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 20:43	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 20:43	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/13/20 20:43	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 20:43	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 20:43	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 20:43	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/13/20 20:43	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 20:43	74-95-3	
Ethylbenzene	**207**	ug/L	5.0	2.0	5		05/13/20 20:43	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/13/20 20:43	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 20:43	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 20:43	75-09-2	
Naphthalene	**1120**	ug/L	10.0	4.1	5		05/13/20 20:43	91-20-3	
Styrene	**227**	ug/L	5.0	1.6	5		05/13/20 20:43	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 20:43	127-18-4	
Toluene	**5620**	ug/L	1000	317	1000		05/13/20 20:30	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/13/20 20:43	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/13/20 20:43	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 20:43	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 20:43	75-01-4	
Xylene (Total)	**1640**	ug/L	15.0	6.8	5		05/13/20 20:43	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 20:43	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C027-PZM046 **Lab ID: 30361657007** Collected: 05/05/20 12:15 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 20:43	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 20:43	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 20:43	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/13/20 20:43	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%.	70-130		5		05/13/20 20:43	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%.	70-130		5		05/13/20 20:43	17060-07-0	
Toluene-d8 (S)	94	%.	70-130		5		05/13/20 20:43	2037-26-5	
Dibromofluoromethane (S)	93	%.	70-130		5		05/13/20 20:43	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C039-PZM007 **Lab ID: 30361657008** Collected: 05/05/20 13:05 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/13/20 16:09	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 16:09	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/13/20 16:09	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 16:09	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/13/20 16:09	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/13/20 16:09	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/13/20 16:09	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/13/20 16:09	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/13/20 16:09	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 16:09	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 16:09	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/13/20 16:09	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/13/20 16:09	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/13/20 16:09	78-93-3	
2-Hexanone	**1.6J**	ug/L	10.0	0.58	1		05/13/20 16:09	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/13/20 16:09	108-10-1	
Acetone	**19.7**	ug/L	10.0	5.6	1		05/13/20 16:09	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/13/20 16:09	107-13-1	
Benzene	**455**	ug/L	20.0	6.8	20		05/13/20 15:56	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/13/20 16:09	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/13/20 16:09	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/13/20 16:09	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/13/20 16:09	74-83-9	CL
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 16:09	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/13/20 16:09	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/13/20 16:09	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/13/20 16:09	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/13/20 16:09	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/13/20 16:09	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/13/20 16:09	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/13/20 16:09	74-95-3	
Ethylbenzene	**2.0**	ug/L	1.0	0.40	1		05/13/20 16:09	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/13/20 16:09	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/13/20 16:09	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/13/20 16:09	75-09-2	
Naphthalene	**251**	ug/L	2.0	0.82	1		05/13/20 16:09	91-20-3	
Styrene	**1.5**	ug/L	1.0	0.33	1		05/13/20 16:09	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/13/20 16:09	127-18-4	
Toluene	**45.0**	ug/L	1.0	0.32	1		05/13/20 16:09	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 16:09	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/13/20 16:09	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/13/20 16:09	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 16:09	75-01-4	
Xylene (Total)	**11.9**	ug/L	3.0	1.4	1		05/13/20 16:09	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 16:09	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C039-PZM007 **Lab ID: 30361657008** Collected: 05/05/20 13:05 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 16:09	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/13/20 16:09	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 16:09	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/13/20 16:09	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%.	70-130		1		05/13/20 16:09	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		1		05/13/20 16:09	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		1		05/13/20 16:09	2037-26-5	
Dibromofluoromethane (S)	96	%.	70-130		1		05/13/20 16:09	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C039-PZM042 **Lab ID: 30361657009** Collected: 05/05/20 13:40 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/13/20 18:38	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 18:38	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 18:38	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 18:38	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 18:38	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 18:38	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 18:38	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/13/20 18:38	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 18:38	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 18:38	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 18:38	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 18:38	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 18:38	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/13/20 18:38	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/13/20 18:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/13/20 18:38	108-10-1	
Acetone	**30.1J**	ug/L	50.0	28.0	5		05/13/20 18:38	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/13/20 18:38	107-13-1	
Benzene	**3080**	ug/L	200	67.6	200		05/13/20 18:26	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 18:38	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 18:38	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/13/20 18:38	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/13/20 18:38	74-83-9	CL
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 18:38	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 18:38	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/13/20 18:38	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 18:38	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 18:38	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 18:38	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/13/20 18:38	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 18:38	74-95-3	
Ethylbenzene	**22.3**	ug/L	5.0	2.0	5		05/13/20 18:38	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/13/20 18:38	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 18:38	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 18:38	75-09-2	
Naphthalene	**1090**	ug/L	10.0	4.1	5		05/13/20 18:38	91-20-3	
Styrene	**29.0**	ug/L	5.0	1.6	5		05/13/20 18:38	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 18:38	127-18-4	
Toluene	**882**	ug/L	5.0	1.6	5		05/13/20 18:38	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/13/20 18:38	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/13/20 18:38	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 18:38	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 18:38	75-01-4	
Xylene (Total)	**187**	ug/L	15.0	6.8	5		05/13/20 18:38	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 18:38	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C039-PZM042 **Lab ID: 30361657009** Collected: 05/05/20 13:40 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 18:38	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 18:38	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 18:38	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/13/20 18:38	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%.	70-130		5		05/13/20 18:38	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		5		05/13/20 18:38	17060-07-0	
Toluene-d8 (S)	96	%.	70-130		5		05/13/20 18:38	2037-26-5	
Dibromofluoromethane (S)	93	%.	70-130		5		05/13/20 18:38	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C040-PZM008 **Lab ID: 30361657010** Collected: 05/05/20 14:20 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/13/20 13:38	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 13:38	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/13/20 13:38	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 13:38	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/13/20 13:38	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/13/20 13:38	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/13/20 13:38	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/13/20 13:38	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/13/20 13:38	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 13:38	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 13:38	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/13/20 13:38	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/13/20 13:38	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/13/20 13:38	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		05/13/20 13:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/13/20 13:38	108-10-1	
Acetone	**11.0**	ug/L	10.0	5.6	1		05/13/20 13:38	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/13/20 13:38	107-13-1	
Benzene	**629**	ug/L	5.0	1.7	5		05/14/20 21:14	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/13/20 13:38	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/13/20 13:38	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/13/20 13:38	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/13/20 13:38	74-83-9	CL
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 13:38	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/13/20 13:38	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/13/20 13:38	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/13/20 13:38	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/13/20 13:38	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/13/20 13:38	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/13/20 13:38	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/13/20 13:38	74-95-3	
Ethylbenzene	**5.8**	ug/L	1.0	0.40	1		05/13/20 13:38	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/13/20 13:38	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/13/20 13:38	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/13/20 13:38	75-09-2	
Naphthalene	**335**	ug/L	2.0	0.82	1		05/13/20 13:38	91-20-3	
Styrene	**5.1**	ug/L	1.0	0.33	1		05/13/20 13:38	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/13/20 13:38	127-18-4	
Toluene	**134**	ug/L	1.0	0.32	1		05/13/20 13:38	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 13:38	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/13/20 13:38	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/13/20 13:38	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 13:38	75-01-4	
Xylene (Total)	**44.7**	ug/L	3.0	1.4	1		05/13/20 13:38	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 13:38	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C040-PZM008 **Lab ID: 30361657010** Collected: 05/05/20 14:20 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 13:38	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/13/20 13:38	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 13:38	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/13/20 13:38	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%.	70-130		1		05/13/20 13:38	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		1		05/13/20 13:38	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		1		05/13/20 13:38	2037-26-5	
Dibromofluoromethane (S)	99	%.	70-130		1		05/13/20 13:38	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C042-PZM004 **Lab ID: 30361657011** Collected: 05/05/20 14:55 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/13/20 14:54	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 14:54	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/13/20 14:54	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 14:54	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/13/20 14:54	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/13/20 14:54	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/13/20 14:54	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/13/20 14:54	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/13/20 14:54	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 14:54	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 14:54	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/13/20 14:54	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/13/20 14:54	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/13/20 14:54	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		05/13/20 14:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/13/20 14:54	108-10-1	
Acetone	**7.3J**	ug/L	10.0	5.6	1		05/13/20 14:54	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/13/20 14:54	107-13-1	
Benzene	**3.0**	ug/L	1.0	0.34	1		05/13/20 14:54	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/13/20 14:54	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/13/20 14:54	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/13/20 14:54	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/13/20 14:54	74-83-9	CL
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 14:54	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/13/20 14:54	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/13/20 14:54	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/13/20 14:54	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/13/20 14:54	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/13/20 14:54	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/13/20 14:54	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/13/20 14:54	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		05/13/20 14:54	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/13/20 14:54	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/13/20 14:54	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/13/20 14:54	75-09-2	
Naphthalene	**9.7**	ug/L	2.0	0.82	1		05/13/20 14:54	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 14:54	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/13/20 14:54	127-18-4	
Toluene	**2.9**	ug/L	1.0	0.32	1		05/13/20 14:54	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 14:54	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/13/20 14:54	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/13/20 14:54	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 14:54	75-01-4	
Xylene (Total)	**7.4**	ug/L	3.0	1.4	1		05/13/20 14:54	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 14:54	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C042-PZM004 **Lab ID: 30361657011** Collected: 05/05/20 14:55 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 14:54	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/13/20 14:54	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 14:54	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/13/20 14:54	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%.	70-130		1		05/13/20 14:54	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		1		05/13/20 14:54	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		1		05/13/20 14:54	2037-26-5	
Dibromofluoromethane (S)	105	%.	70-130		1		05/13/20 14:54	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C0101-PZMxxx **Lab ID: 30361657012** Collected: 05/05/20 08:15 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/13/20 19:03	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 19:03	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 19:03	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 19:03	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 19:03	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 19:03	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 19:03	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/13/20 19:03	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 19:03	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 19:03	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 19:03	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 19:03	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 19:03	106-46-7	
2-Butanone (MEK)	**1110**	ug/L	50.0	7.6	5		05/13/20 19:03	78-93-3	
2-Hexanone	**162**	ug/L	50.0	2.9	5		05/13/20 19:03	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/13/20 19:03	108-10-1	
Acetone	**6250**	ug/L	5000	2800	500		05/13/20 18:51	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/13/20 19:03	107-13-1	
Benzene	**4080**	ug/L	500	169	500		05/13/20 18:51	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 19:03	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 19:03	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/13/20 19:03	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/13/20 19:03	74-83-9	CL
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 19:03	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 19:03	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/13/20 19:03	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 19:03	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 19:03	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 19:03	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/13/20 19:03	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 19:03	74-95-3	
Ethylbenzene	**4.2J**	ug/L	5.0	2.0	5		05/13/20 19:03	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/13/20 19:03	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 19:03	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 19:03	75-09-2	
Naphthalene	**189**	ug/L	10.0	4.1	5		05/13/20 19:03	91-20-3	
Styrene	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 19:03	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 19:03	127-18-4	
Toluene	**227**	ug/L	5.0	1.6	5		05/13/20 19:03	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/13/20 19:03	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/13/20 19:03	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 19:03	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 19:03	75-01-4	
Xylene (Total)	**58.2**	ug/L	15.0	6.8	5		05/13/20 19:03	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 19:03	156-59-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361657

Sample: C0101-PZMxxx **Lab ID: 30361657012** Collected: 05/05/20 08:15 Received: 05/05/20 22:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 19:03	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 19:03	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 19:03	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/13/20 19:03	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		5		05/13/20 19:03	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%.	70-130		5		05/13/20 19:03	17060-07-0	
Toluene-d8 (S)	94	%.	70-130		5		05/13/20 19:03	2037-26-5	
Dibromofluoromethane (S)	100	%.	70-130		5		05/13/20 19:03	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30361657

QC Batch: 396191 | Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B | Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30361657001, 30361657002, 30361657003, 30361657004, 30361657005, 30361657006, 30361657007, 30361657008, 30361657009, 30361657010, 30361657011, 30361657012

METHOD BLANK: 1918868 Matrix: Water

Associated Lab Samples: 30361657001, 30361657002, 30361657003, 30361657004, 30361657005, 30361657006, 30361657007, 30361657008, 30361657009, 30361657010, 30361657011, 30361657012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	05/13/20 12:23	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	05/13/20 12:23	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	05/13/20 12:23	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	05/13/20 12:23	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	05/13/20 12:23	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	05/13/20 12:23	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	05/13/20 12:23	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	05/13/20 12:23	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	05/13/20 12:23	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	05/13/20 12:23	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	05/13/20 12:23	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	05/13/20 12:23	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	05/13/20 12:23	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	05/13/20 12:23	
2-Hexanone	ug/L	10.0 U	10.0	0.58	05/13/20 12:23	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	05/13/20 12:23	
Acetone	ug/L	10.0 U	10.0	5.6	05/13/20 12:23	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	05/13/20 12:23	
Benzene	ug/L	1.0 U	1.0	0.34	05/13/20 12:23	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	05/13/20 12:23	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	05/13/20 12:23	
Bromoform	ug/L	1.0 U	1.0	0.56	05/13/20 12:23	
Bromomethane	ug/L	1.0 U	1.0	0.73	05/13/20 12:23	CL
Carbon disulfide	ug/L	1.0 U	1.0	0.32	05/13/20 12:23	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	05/13/20 12:23	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	05/13/20 12:23	
Chloroethane	ug/L	1.0 U	1.0	0.64	05/13/20 12:23	
Chloroform	ug/L	1.0 U	1.0	0.39	05/13/20 12:23	
Chloromethane	ug/L	1.0 U	1.0	0.40	05/13/20 12:23	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	05/13/20 12:23	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	05/13/20 12:23	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	05/13/20 12:23	
Dibromomethane	ug/L	1.0 U	1.0	0.34	05/13/20 12:23	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	05/13/20 12:23	
Iodomethane	ug/L	50.0 U	50.0	0.52	05/13/20 12:23	IH
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	05/13/20 12:23	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	05/13/20 12:23	
Naphthalene	ug/L	2.0 U	2.0	0.82	05/13/20 12:23	
Styrene	ug/L	1.0 U	1.0	0.33	05/13/20 12:23	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30361657

METHOD BLANK: 1918868 Matrix: Water

Associated Lab Samples: 30361657001, 30361657002, 30361657003, 30361657004, 30361657005, 30361657006, 30361657007, 30361657008, 30361657009, 30361657010, 30361657011, 30361657012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	05/13/20 12:23	
Toluene	ug/L	1.0 U	1.0	0.32	05/13/20 12:23	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	05/13/20 12:23	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	05/13/20 12:23	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	05/13/20 12:23	
Trichloroethene	ug/L	1.0 U	1.0	0.29	05/13/20 12:23	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	05/13/20 12:23	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	05/13/20 12:23	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	05/13/20 12:23	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	05/13/20 12:23	
1,2-Dichloroethane-d4 (S)	%.	111	70-130		05/13/20 12:23	
4-Bromofluorobenzene (S)	%.	97	70-130		05/13/20 12:23	
Dibromofluoromethane (S)	%.	104	70-130		05/13/20 12:23	
Toluene-d8 (S)	%.	93	70-130		05/13/20 12:23	

LABORATORY CONTROL SAMPLE: 1918869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.2	91	70-130	
1,1,1-Trichloroethane	ug/L	20	21.1	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.3	111	70-130	
1,1,2-Trichloroethane	ug/L	20	19.7	98	70-130	
1,1-Dichloroethane	ug/L	20	19.4	97	70-130	
1,1-Dichloroethene	ug/L	20	18.1	91	70-130	
1,2,3-Trichloropropane	ug/L	20	21.0	105	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	19.1	96	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	20.0	100	70-130	
1,2-Dichlorobenzene	ug/L	20	20.8	104	70-130	
1,2-Dichloroethane	ug/L	20	20.2	101	70-130	
1,2-Dichloropropane	ug/L	20	20.2	101	70-130	
1,4-Dichlorobenzene	ug/L	20	20.2	101	70-130	
2-Butanone (MEK)	ug/L	20	22.7	113	70-130	
2-Hexanone	ug/L	20	23.1	116	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	22.5	112	70-130	
Acetone	ug/L	20	20.7	103	67-173	
Acrylonitrile	ug/L	20	24.3	122	56-147	
Benzene	ug/L	20	20.0	100	70-130	
Bromochloromethane	ug/L	20	19.4	97	70-130	
Bromodichloromethane	ug/L	20	20.3	101	70-130	
Bromoform	ug/L	20	19.6	98	63-119	
Bromomethane	ug/L	20	12.7	63	24-159	CL
Carbon disulfide	ug/L	20	21.0	105	57-132	
Carbon tetrachloride	ug/L	20	18.9	94	70-130	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30361657

LABORATORY CONTROL SAMPLE: 1918869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	20	19.5	98	70-130	
Chloroethane	ug/L	20	24.2	121	62-145	
Chloroform	ug/L	20	19.2	96	70-130	
Chloromethane	ug/L	20	21.5	107	66-140	
cis-1,2-Dichloroethene	ug/L	20	19.8	99	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.0	95	70-130	
Dibromochloromethane	ug/L	20	18.5	93	70-130	
Dibromomethane	ug/L	20	17.5	88	70-130	
Ethylbenzene	ug/L	20	19.5	98	70-130	
Iodomethane	ug/L	20	13.5J	67	10-175	IH
Methyl-tert-butyl ether	ug/L	20	19.9	99	70-130	
Methylene Chloride	ug/L	20	19.4	97	70-130	
Naphthalene	ug/L	20	20.6	103	55-160	
Styrene	ug/L	20	20.1	100	70-130	
Tetrachloroethene	ug/L	20	18.6	93	70-130	
Toluene	ug/L	20	19.2	96	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.9	94	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.1	96	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	22.8	114	48-131	
Trichloroethene	ug/L	20	19.0	95	70-130	
Trichlorofluoromethane	ug/L	20	23.9	119	70-130	
Vinyl acetate	ug/L	20	17.1	86	33-128	
Vinyl chloride	ug/L	20	21.7	109	70-130	
Xylene (Total)	ug/L	60	58.8	98	70-130	
1,2-Dichloroethane-d4 (S)	%.			105	70-130	
4-Bromofluorobenzene (S)	%.			102	70-130	
Dibromofluoromethane (S)	%.			100	70-130	
Toluene-d8 (S)	%.			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1918870 1918871

Parameter	Units	30361657005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	20	20	14.4	14.8	72	74	59-117	2	30	
1,1,1-Trichloroethane	ug/L	1.0 U	20	20	18.2	17.8	91	89	55-146	2	30	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	20	20	17.1	17.1	85	85	55-118	0	30	
1,1,2-Trichloroethane	ug/L	1.0 U	20	20	16.2	16.5	81	83	61-122	2	30	
1,1-Dichloroethane	ug/L	1.0 U	20	20	17.3	17.2	86	86	59-130	1	30	
1,1-Dichloroethene	ug/L	1.0 U	20	20	15.8	15.7	79	78	52-119	1	30	
1,2,3-Trichloropropane	ug/L	1.0 U	20	20	15.9	15.9	79	80	59-117	0	30	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	20	20	14.0	13.7	70	69	32-112	2	30	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	20	20	15.8	15.7	79	78	61-116	1	30	
1,2-Dichlorobenzene	ug/L	1.0 U	20	20	16.0	16.1	80	81	58-126	1	30	
1,2-Dichloroethane	ug/L	1.0 U	20	20	17.1	16.6	85	83	49-135	3	30	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30361657

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1918870 1918871

Parameter	Units	30361657005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloropropane	ug/L	1.0 U	20	20	16.6	16.3	83	81	67-121	2	30	
1,4-Dichlorobenzene	ug/L	1.0 U	20	20	16.0	15.7	80	79	60-121	2	30	
2-Butanone (MEK)	ug/L	5.9J	20	20	25.5	21.5	98	78	59-138	17	30	
2-Hexanone	ug/L	3.3J	20	20	21.1	19.1	89	79	66-123	10	30	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	20	20	18.5	15.6	93	78	70-130	17	30	
Acetone	ug/L	27.6	20	20	45.3	39.6	89	60	57-140	14	30	
Acrylonitrile	ug/L	4.0 U	20	20	21.4	17.7	107	89	47-134	19	30	
Benzene	ug/L	1.1	20	20	22.8	19.9	109	94	50-149	14	30	
Bromochloromethane	ug/L	1.0 U	20	20	17.6	16.3	88	82	63-120	7	30	
Bromodichloromethane	ug/L	1.0 U	20	20	17.2	16.7	86	84	46-131	3	30	
Bromoform	ug/L	1.0 U	20	20	13.5	12.9	67	64	30-119	5	30	
Bromomethane	ug/L	1.0 U	20	20	0.94J	1.3	5	7	10-163		30	CL,ML
Carbon disulfide	ug/L	1.0 U	20	20	16.0	13.2	80	66	41-116	19	30	
Carbon tetrachloride	ug/L	1.0 U	20	20	16.1	15.4	81	77	55-119	4	30	
Chlorobenzene	ug/L	1.0 U	20	20	16.0	16.2	80	81	66-124	1	30	
Chloroethane	ug/L	1.0 U	20	20	19.3	21.9	96	109	45-162	13	30	
Chloroform	ug/L	1.0 U	20	20	16.5	16.3	82	81	56-123	1	30	
Chloromethane	ug/L	1.0 U	20	20	14.9	15.9	74	79	49-150	7	30	
cis-1,2-Dichloroethene	ug/L	1.0 U	20	20	16.0	16.2	80	81	63-116	1	30	
cis-1,3-Dichloropropene	ug/L	1.0 U	20	20	15.6	15.3	78	76	46-119	2	30	
Dibromochloromethane	ug/L	1.0 U	20	20	14.2	14.5	71	73	42-120	2	30	
Dibromomethane	ug/L	1.0 U	20	20	14.3	14.7	71	73	55-117	3	30	
Ethylbenzene	ug/L	1.0 U	20	20	16.4	16.3	82	82	63-135	0	30	
Iodomethane	ug/L	50.0 U	20	20	2.2J	3.4J	11	17	10-175		30	IH
Methyl-tert-butyl ether	ug/L	1.0 U	20	20	16.3	13.1	81	65	53-123	22	30	
Methylene Chloride	ug/L	1.0 U	20	20	18.0	17.4	90	87	57-132	4	30	
Naphthalene	ug/L	2.0 U	20	20	21.5	17.2	106	85	30-157	22	30	
Styrene	ug/L	1.0 U	20	20	16.3	16.3	81	82	58-130	0	30	
Tetrachloroethene	ug/L	1.0 U	20	20	15.3	16.2	77	81	61-132	6	30	
Toluene	ug/L	1.0 U	20	20	18.0	16.7	89	83	59-139	8	30	
trans-1,2-Dichloroethene	ug/L	1.0 U	20	20	16.6	16.0	83	80	60-124	4	30	
trans-1,3-Dichloropropene	ug/L	1.0 U	20	20	14.3	14.7	72	73	48-121	2	30	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	20	12.2	10.9	61	54	10-111	12	30	
Trichloroethene	ug/L	1.0 U	20	20	16.0	16.3	80	81	63-128	2	30	
Trichlorofluoromethane	ug/L	1.0 U	20	20	22.7	23.1	114	115	70-152	2	30	
Vinyl acetate	ug/L	1.0 U	20	20	13.9	14.1	70	70	23-102	1	30	
Vinyl chloride	ug/L	1.0 U	20	20	19.9	19.9	99	100	67-141	0	30	
Xylene (Total)	ug/L	3.0 U	60	60	48.7	49.4	80	81	63-135	1	30	
1,2-Dichloroethane-d4 (S)	%.						110	108	70-130			
4-Bromofluorobenzene (S)	%.						98	98	70-130			
Dibromofluoromethane (S)	%.						104	104	70-130			
Toluene-d8 (S)	%.						95	97	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30361657

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30361657

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30361657001	**Trip Blank**	EPA 8260B	396191		
30361657002	**C036-PZM008**	EPA 8260B	396191		
30361657003	**C036-PZM043**	EPA 8260B	396191		
30361657004	**C038-PZM006**	EPA 8260B	396191		
30361657005	**C038-PZM043**	EPA 8260B	396191		
30361657006	**C027-PZM012**	EPA 8260B	396191		
30361657007	**C027-PZM046**	EPA 8260B	396191		
30361657008	**C039-PZM007**	EPA 8260B	396191		
30361657009	**C039-PZM042**	EPA 8260B	396191		
30361657010	**C040-PZM008**	EPA 8260B	396191		
30361657011	**C042-PZM004**	EPA 8260B	396191		
30361657012	**C0101-PZMxxx**	EPA 8260B	396191		

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Page: 1 of 1

Section A — Client Information:
EnviroAnalytics Group
1600 Sparrows Point Blvd, Suite B2
Sparrows Point, MD 21219
jcalenda@enviroanalyticsgroup.com
314-620-3056 | Fax:
Requested Due Date/TAT: 5 Day

Section B — Required Project Information:
Report To: James Calenda
Copy To: Stewart Kabis
Purchase Order No.: EAG-SPT-6989
Project Name: COA IM GW Sampling
Project Number:

Section C — Invoice Information:
Attention: Laura Sargent
Company Name: EnviroAnalytics Group
Address: 1650 Des Peres Road, Suite 303 St. Louis, MO 63131
Pace Quote Reference:
Pace Project Manager: Samantha Bayura
Pace Profile #:

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER
Site Location STATE: MD

Section D — Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

WO# : 30361657

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: VOC + NAPH by 8260	Resi	Pace Project No./ Lab I.D.
Trip Blank	WT				05/05/2020			2				2					X		CO1
CO36-PZM008		G				0910		3				3					X		CO2
CO36-PZM043						0950		3				3					X		CO3
CO38-PZM006						1025		3				3					X		CO4
CO38-PZM043						1055		3				3					X		CO5
CO27-PZM012						1140		3				3					X		CO6
CO27-PZM046						1215		3				3					X		CO7
CO39-PZM007						1305		3				3					X		CO8
CO39-PZM042						1340		3				3					X		CO9
CO40-PZM008						1420		3				3					X		C10
CO42-PZM004						1455		3				3					X		C11
CO101-PZMxxx						0815		3				3					X		C12

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NG	[signature] ATM	5/5/20	1530	QMB/PACE	5/5/20	1545				
NO	QMB/PACE	5/5/20	1926	RDS PACE	5/5/20	1930		Y		
	RDS PACE	5/5/20	2215	[signature]	5-5-20	22:45	2.6	Y	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Leandra M Glumac
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 05/05/2020

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

#_30361657

Pace Analytical

Client Name: EnviroAnalytics Project #

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other

Label PM

Tracking #: N/A

LIMS Login DG

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used 10 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 2.9 °C Correction Factor: -0.3 °C Final Temp: 2.6 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# N/A / Date and Initials of person examining contents: PM 5-2-19
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:	✓			8.
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓ ✓			10.
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: (VOA) coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix			✓	16.
All containers meet method preservation requirements.	✓			Initial when completed PM / Date/time of preservation / Lot # of added preservative
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:	✓			18.
Trip Blank Custody Seals Present	✓			
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed: DTC / Date:

Client Notification/ Resolution:

Person Contacted: Date/Time: Contacted By:

Comments/ Resolution:

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

May 18, 2020

Mr. James Calenda
EnviroAnalytics Group, LLC
1600 Sparrows Point Blvd
Suite B2
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30361891

Dear Mr. Calenda:

Enclosed are the analytical results for sample(s) received by the laboratory on May 06, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30361891

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30361891

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30361891001	**Trip Blank**	Water	05/06/20 00:01	05/06/20 22:25
30361891002	**CO37-PZM038**	Water	05/06/20 09:30	05/06/20 22:25
30361891003	**CO41-PZM001**	Water	05/06/20 10:25	05/06/20 22:25
30361891004	**CO41-PZM036**	Water	05/06/20 11:00	05/06/20 22:25
30361891005	**CO56-PZP001**	Water	05/06/20 11:50	05/06/20 22:25
30361891006	**CO57-PZP002**	Water	05/06/20 13:00	05/06/20 22:25
30361891007	**CO58-PZM001**	Water	05/06/20 13:50	05/06/20 22:25
30361891008	**CO26-PZM007**	Water	05/06/20 14:50	05/06/20 22:25
30361891009	**CO55-PZM000**	Water	05/06/20 15:05	05/06/20 22:25

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Greensburg, PA 15601
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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30361891

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30361891001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30361891002	**CO37-PZM038**	EPA 8260B	LEL	53	PASI-PA
30361891003	**CO41-PZM001**	EPA 8260B	LEL	53	PASI-PA
30361891004	**CO41-PZM036**	EPA 8260B	LEL	53	PASI-PA
30361891005	**CO56-PZP001**	EPA 8260B	LEL	53	PASI-PA
30361891006	**CO57-PZP002**	EPA 8260B	LEL	53	PASI-PA
30361891007	**CO58-PZM001**	EPA 8260B	LEL	53	PASI-PA
30361891008	**CO26-PZM007**	EPA 8260B	LEL	53	PASI-PA
30361891009	**CO55-PZM000**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361891

Sample: Trip Blank **Lab ID: 30361891001** Collected: 05/06/20 00:01 Received: 05/06/20 22:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/15/20 13:22	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/15/20 13:22	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/15/20 13:22	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/15/20 13:22	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/15/20 13:22	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/15/20 13:22	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/15/20 13:22	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/15/20 13:22	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/15/20 13:22	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/15/20 13:22	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/15/20 13:22	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/15/20 13:22	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/15/20 13:22	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/15/20 13:22	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		05/15/20 13:22	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/15/20 13:22	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		05/15/20 13:22	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/15/20 13:22	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		05/15/20 13:22	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/15/20 13:22	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/15/20 13:22	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/15/20 13:22	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/15/20 13:22	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/15/20 13:22	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/15/20 13:22	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/15/20 13:22	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/15/20 13:22	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/15/20 13:22	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/15/20 13:22	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/15/20 13:22	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/15/20 13:22	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		05/15/20 13:22	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/15/20 13:22	74-88-4	CL,IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/15/20 13:22	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/15/20 13:22	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		05/15/20 13:22	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		05/15/20 13:22	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/15/20 13:22	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		05/15/20 13:22	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/15/20 13:22	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/15/20 13:22	75-69-4	L1
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/15/20 13:22	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/15/20 13:22	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		05/15/20 13:22	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/15/20 13:22	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361891

Sample: Trip Blank **Lab ID: 30361891001** Collected: 05/06/20 00:01 Received: 05/06/20 22:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/15/20 13:22	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/15/20 13:22	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/15/20 13:22	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/15/20 13:22	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%.	70-130		1		05/15/20 13:22	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%.	70-130		1		05/15/20 13:22	17060-07-0	
Toluene-d8 (S)	92	%.	70-130		1		05/15/20 13:22	2037-26-5	
Dibromofluoromethane (S)	103	%.	70-130		1		05/15/20 13:22	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361891

Sample: CO37-PZM038 **Lab ID: 30361891002** Collected: 05/06/20 09:30 Received: 05/06/20 22:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/15/20 20:31	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/15/20 20:31	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/15/20 20:31	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/15/20 20:31	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/15/20 20:31	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/15/20 20:31	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/15/20 20:31	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/15/20 20:31	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/15/20 20:31	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/15/20 20:31	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/15/20 20:31	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/15/20 20:31	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/15/20 20:31	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/15/20 20:31	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/15/20 20:31	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/15/20 20:31	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		05/15/20 20:31	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/15/20 20:31	107-13-1	
Benzene	**14200**	ug/L	200	67.6	200		05/15/20 18:14	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/15/20 20:31	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/15/20 20:31	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/15/20 20:31	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/15/20 20:31	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/15/20 20:31	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/15/20 20:31	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/15/20 20:31	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/15/20 20:31	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/15/20 20:31	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/15/20 20:31	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/15/20 20:31	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/15/20 20:31	74-95-3	
Ethylbenzene	**268**	ug/L	5.0	2.0	5		05/15/20 20:31	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/15/20 20:31	74-88-4	CL,IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/15/20 20:31	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/15/20 20:31	75-09-2	
Naphthalene	**1770**	ug/L	10.0	4.1	5		05/15/20 20:31	91-20-3	
Styrene	**425**	ug/L	5.0	1.6	5		05/15/20 20:31	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/15/20 20:31	127-18-4	
Toluene	**8780**	ug/L	200	63.4	200		05/15/20 18:14	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/15/20 20:31	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/15/20 20:31	75-69-4	L1
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/15/20 20:31	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/15/20 20:31	75-01-4	
Xylene (Total)	**2220**	ug/L	15.0	6.8	5		05/15/20 20:31	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/15/20 20:31	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361891

Sample: CO37-PZM038 **Lab ID: 30361891002** Collected: 05/06/20 09:30 Received: 05/06/20 22:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/15/20 20:31	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/15/20 20:31	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/15/20 20:31	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/15/20 20:31	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	70-130		5		05/15/20 20:31	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		5		05/15/20 20:31	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		5		05/15/20 20:31	2037-26-5	
Dibromofluoromethane (S)	96	%.	70-130		5		05/15/20 20:31	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361891

Sample: CO41-PZM001 **Lab ID: 30361891003** Collected: 05/06/20 10:25 Received: 05/06/20 22:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/15/20 19:16	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/15/20 19:16	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/15/20 19:16	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/15/20 19:16	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/15/20 19:16	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/15/20 19:16	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/15/20 19:16	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/15/20 19:16	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/15/20 19:16	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/15/20 19:16	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/15/20 19:16	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/15/20 19:16	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/15/20 19:16	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/15/20 19:16	78-93-3	
2-Hexanone	**0.63J**	ug/L	10.0	0.58	1		05/15/20 19:16	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/15/20 19:16	108-10-1	
Acetone	**10.0**	ug/L	10.0	5.6	1		05/15/20 19:16	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/15/20 19:16	107-13-1	
Benzene	**546**	ug/L	50.0	16.9	50		05/15/20 19:41	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/15/20 19:16	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/15/20 19:16	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/15/20 19:16	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/15/20 19:16	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/15/20 19:16	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/15/20 19:16	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/15/20 19:16	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/15/20 19:16	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/15/20 19:16	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/15/20 19:16	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/15/20 19:16	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/15/20 19:16	74-95-3	
Ethylbenzene	**45.8**	ug/L	1.0	0.40	1		05/15/20 19:16	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/15/20 19:16	74-88-4	CL,IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/15/20 19:16	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/15/20 19:16	75-09-2	
Naphthalene	**30.5**	ug/L	2.0	0.82	1		05/15/20 19:16	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		05/15/20 19:16	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/15/20 19:16	127-18-4	
Toluene	**553**	ug/L	50.0	15.8	50		05/15/20 19:41	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/15/20 19:16	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/15/20 19:16	75-69-4	L1
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/15/20 19:16	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/15/20 19:16	75-01-4	
Xylene (Total)	**413**	ug/L	3.0	1.4	1		05/15/20 19:16	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/15/20 19:16	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361891

Sample: CO41-PZM001 **Lab ID: 30361891003** Collected: 05/06/20 10:25 Received: 05/06/20 22:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/15/20 19:16	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/15/20 19:16	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/15/20 19:16	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/15/20 19:16	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		05/15/20 19:16	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%.	70-130		1		05/15/20 19:16	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		1		05/15/20 19:16	2037-26-5	
Dibromofluoromethane (S)	100	%.	70-130		1		05/15/20 19:16	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361891

Sample: CO41-PZM036 **Lab ID: 30361891004** Collected: 05/06/20 11:00 Received: 05/06/20 22:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/15/20 20:56	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/15/20 20:56	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/15/20 20:56	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/15/20 20:56	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/15/20 20:56	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/15/20 20:56	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/15/20 20:56	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/15/20 20:56	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/15/20 20:56	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/15/20 20:56	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/15/20 20:56	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/15/20 20:56	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/15/20 20:56	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/15/20 20:56	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/15/20 20:56	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/15/20 20:56	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		05/15/20 20:56	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/15/20 20:56	107-13-1	
Benzene	**206000**	ug/L	1000	338	1000		05/15/20 18:38	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/15/20 20:56	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/15/20 20:56	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/15/20 20:56	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/15/20 20:56	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/15/20 20:56	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/15/20 20:56	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/15/20 20:56	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/15/20 20:56	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/15/20 20:56	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/15/20 20:56	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/15/20 20:56	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/15/20 20:56	74-95-3	
Ethylbenzene	**661**	ug/L	5.0	2.0	5		05/15/20 20:56	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/15/20 20:56	74-88-4	CL,IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/15/20 20:56	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/15/20 20:56	75-09-2	
Naphthalene	**325**	ug/L	10.0	4.1	5		05/15/20 20:56	91-20-3	
Styrene	**370**	ug/L	5.0	1.6	5		05/15/20 20:56	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/15/20 20:56	127-18-4	
Toluene	**67600**	ug/L	1000	317	1000		05/15/20 18:38	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/15/20 20:56	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/15/20 20:56	75-69-4	L1
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/15/20 20:56	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/15/20 20:56	75-01-4	
Xylene (Total)	**13500**	ug/L	3000	1350	1000		05/15/20 18:38	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/15/20 20:56	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361891

Sample: CO41-PZM036 **Lab ID: 30361891004** Collected: 05/06/20 11:00 Received: 05/06/20 22:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/15/20 20:56	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/15/20 20:56	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/15/20 20:56	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/15/20 20:56	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%.	70-130		5		05/15/20 20:56	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		5		05/15/20 20:56	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		5		05/15/20 20:56	2037-26-5	
Dibromofluoromethane (S)	92	%.	70-130		5		05/15/20 20:56	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361891

Sample: CO56-PZP001 **Lab ID: 30361891005** Collected: 05/06/20 11:50 Received: 05/06/20 22:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/15/20 20:06	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/15/20 20:06	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/15/20 20:06	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/15/20 20:06	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/15/20 20:06	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/15/20 20:06	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/15/20 20:06	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/15/20 20:06	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/15/20 20:06	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/15/20 20:06	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/15/20 20:06	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/15/20 20:06	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/15/20 20:06	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/15/20 20:06	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/15/20 20:06	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/15/20 20:06	108-10-1	
Acetone	**31.7J**	ug/L	50.0	28.0	5		05/15/20 20:06	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/15/20 20:06	107-13-1	
Benzene	**352**	ug/L	5.0	1.7	5		05/15/20 20:06	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/15/20 20:06	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/15/20 20:06	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/15/20 20:06	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/15/20 20:06	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/15/20 20:06	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/15/20 20:06	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/15/20 20:06	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/15/20 20:06	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/15/20 20:06	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/15/20 20:06	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/15/20 20:06	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/15/20 20:06	74-95-3	
Ethylbenzene	**11.7**	ug/L	5.0	2.0	5		05/15/20 20:06	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/15/20 20:06	74-88-4	CL,IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/15/20 20:06	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/15/20 20:06	75-09-2	
Naphthalene	**3250**	ug/L	200	81.9	100		05/15/20 17:49	91-20-3	
Styrene	**58.6**	ug/L	5.0	1.6	5		05/15/20 20:06	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/15/20 20:06	127-18-4	
Toluene	**157**	ug/L	5.0	1.6	5		05/15/20 20:06	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/15/20 20:06	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/15/20 20:06	75-69-4	L1
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/15/20 20:06	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/15/20 20:06	75-01-4	
Xylene (Total)	**251**	ug/L	15.0	6.8	5		05/15/20 20:06	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/15/20 20:06	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361891

Sample: CO56-PZP001 **Lab ID: 30361891005** Collected: 05/06/20 11:50 Received: 05/06/20 22:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/15/20 20:06	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/15/20 20:06	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/15/20 20:06	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/15/20 20:06	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%.	70-130		5		05/15/20 20:06	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130		5		05/15/20 20:06	17060-07-0	
Toluene-d8 (S)	98	%.	70-130		5		05/15/20 20:06	2037-26-5	
Dibromofluoromethane (S)	102	%.	70-130		5		05/15/20 20:06	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361891

Sample: CO57-PZP002 **Lab ID: 30361891006** Collected: 05/06/20 13:00 Received: 05/06/20 22:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/15/20 16:20	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/15/20 16:20	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/15/20 16:20	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/15/20 16:20	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/15/20 16:20	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/15/20 16:20	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/15/20 16:20	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/15/20 16:20	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/15/20 16:20	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/15/20 16:20	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/15/20 16:20	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/15/20 16:20	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/15/20 16:20	106-46-7	
2-Butanone (MEK)	**7.3J**	ug/L	10.0	1.5	1		05/15/20 16:20	78-93-3	
2-Hexanone	**2.7J**	ug/L	10.0	0.58	1		05/15/20 16:20	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/15/20 16:20	108-10-1	
Acetone	**41.6**	ug/L	10.0	5.6	1		05/15/20 16:20	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/15/20 16:20	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		05/15/20 16:20	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/15/20 16:20	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/15/20 16:20	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/15/20 16:20	75-25-2	
Bromomethane	**1.4**	ug/L	1.0	0.73	1		05/15/20 16:20	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/15/20 16:20	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/15/20 16:20	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/15/20 16:20	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/15/20 16:20	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/15/20 16:20	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/15/20 16:20	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/15/20 16:20	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/15/20 16:20	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		05/15/20 16:20	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/15/20 16:20	74-88-4	CL,IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/15/20 16:20	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/15/20 16:20	75-09-2	
Naphthalene	**1.8J**	ug/L	2.0	0.82	1		05/15/20 16:20	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		05/15/20 16:20	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/15/20 16:20	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		05/15/20 16:20	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/15/20 16:20	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/15/20 16:20	75-69-4	L1
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/15/20 16:20	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/15/20 16:20	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		05/15/20 16:20	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/15/20 16:20	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361891

Sample: CO57-PZP002 **Lab ID: 30361891006** Collected: 05/06/20 13:00 Received: 05/06/20 22:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/15/20 16:20	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/15/20 16:20	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/15/20 16:20	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/15/20 16:20	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%.	70-130		1		05/15/20 16:20	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%.	70-130		1		05/15/20 16:20	17060-07-0	
Toluene-d8 (S)	93	%.	70-130		1		05/15/20 16:20	2037-26-5	
Dibromofluoromethane (S)	100	%.	70-130		1		05/15/20 16:20	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361891

Sample: CO58-PZM001 **Lab ID: 30361891007** Collected: 05/06/20 13:50 Received: 05/06/20 22:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/15/20 17:36	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/15/20 17:36	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/15/20 17:36	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/15/20 17:36	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/15/20 17:36	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/15/20 17:36	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/15/20 17:36	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/15/20 17:36	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/15/20 17:36	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/15/20 17:36	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/15/20 17:36	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/15/20 17:36	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/15/20 17:36	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/15/20 17:36	78-93-3	
2-Hexanone	**0.98J**	ug/L	10.0	0.58	1		05/15/20 17:36	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/15/20 17:36	108-10-1	
Acetone	**20.5**	ug/L	10.0	5.6	1		05/15/20 17:36	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/15/20 17:36	107-13-1	
Benzene	**224**	ug/L	1.0	0.34	1		05/15/20 17:36	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/15/20 17:36	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/15/20 17:36	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/15/20 17:36	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/15/20 17:36	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/15/20 17:36	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/15/20 17:36	56-23-5	
Chlorobenzene	**0.38J**	ug/L	1.0	0.26	1		05/15/20 17:36	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/15/20 17:36	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/15/20 17:36	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/15/20 17:36	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/15/20 17:36	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/15/20 17:36	74-95-3	
Ethylbenzene	**10.3**	ug/L	1.0	0.40	1		05/15/20 17:36	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/15/20 17:36	74-88-4	CL,IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/15/20 17:36	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/15/20 17:36	75-09-2	
Naphthalene	**1940**	ug/L	40.0	16.4	20		05/15/20 18:01	91-20-3	
Styrene	**26.3**	ug/L	1.0	0.33	1		05/15/20 17:36	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/15/20 17:36	127-18-4	
Toluene	**89.6**	ug/L	1.0	0.32	1		05/15/20 17:36	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/15/20 17:36	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/15/20 17:36	75-69-4	L1
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/15/20 17:36	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/15/20 17:36	75-01-4	
Xylene (Total)	**174**	ug/L	3.0	1.4	1		05/15/20 17:36	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/15/20 17:36	156-59-2	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361891

Sample: CO58-PZM001 **Lab ID: 30361891007** Collected: 05/06/20 13:50 Received: 05/06/20 22:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/15/20 17:36	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/15/20 17:36	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/15/20 17:36	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/15/20 17:36	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%.	70-130		1		05/15/20 17:36	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%.	70-130		1		05/15/20 17:36	17060-07-0	
Toluene-d8 (S)	94	%.	70-130		1		05/15/20 17:36	2037-26-5	
Dibromofluoromethane (S)	99	%.	70-130		1		05/15/20 17:36	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361891

Sample: CO26-PZM007 **Lab ID: 30361891008** Collected: 05/06/20 14:50 Received: 05/06/20 22:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/15/20 18:26	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/15/20 18:26	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/15/20 18:26	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/15/20 18:26	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/15/20 18:26	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/15/20 18:26	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/15/20 18:26	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/15/20 18:26	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/15/20 18:26	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/15/20 18:26	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/15/20 18:26	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/15/20 18:26	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/15/20 18:26	106-46-7	
2-Butanone (MEK)	**4.3J**	ug/L	10.0	1.5	1		05/15/20 18:26	78-93-3	
2-Hexanone	**1.9J**	ug/L	10.0	0.58	1		05/15/20 18:26	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/15/20 18:26	108-10-1	
Acetone	**27.9**	ug/L	10.0	5.6	1		05/15/20 18:26	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/15/20 18:26	107-13-1	
Benzene	**163**	ug/L	1.0	0.34	1		05/15/20 18:26	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/15/20 18:26	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/15/20 18:26	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/15/20 18:26	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/15/20 18:26	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/15/20 18:26	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/15/20 18:26	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/15/20 18:26	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/15/20 18:26	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/15/20 18:26	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/15/20 18:26	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/15/20 18:26	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/15/20 18:26	74-95-3	
Ethylbenzene	**6.1**	ug/L	1.0	0.40	1		05/15/20 18:26	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/15/20 18:26	74-88-4	CL,IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/15/20 18:26	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/15/20 18:26	75-09-2	
Naphthalene	**2030**	ug/L	40.0	16.4	20		05/15/20 18:51	91-20-3	
Styrene	**36.3**	ug/L	1.0	0.33	1		05/15/20 18:26	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/15/20 18:26	127-18-4	
Toluene	**82.8**	ug/L	1.0	0.32	1		05/15/20 18:26	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/15/20 18:26	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/15/20 18:26	75-69-4	L1
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/15/20 18:26	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/15/20 18:26	75-01-4	
Xylene (Total)	**141**	ug/L	3.0	1.4	1		05/15/20 18:26	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/15/20 18:26	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361891

Sample: CO26-PZM007 **Lab ID: 30361891008** Collected: 05/06/20 14:50 Received: 05/06/20 22:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/15/20 18:26	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/15/20 18:26	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/15/20 18:26	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/15/20 18:26	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%.	70-130		1		05/15/20 18:26	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		1		05/15/20 18:26	17060-07-0	
Toluene-d8 (S)	96	%.	70-130		1		05/15/20 18:26	2037-26-5	
Dibromofluoromethane (S)	98	%.	70-130		1		05/15/20 18:26	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361891

Sample: CO55-PZM000 **Lab ID: 30361891009** Collected: 05/06/20 15:05 Received: 05/06/20 22:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/15/20 16:46	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/15/20 16:46	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/15/20 16:46	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/15/20 16:46	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/15/20 16:46	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/15/20 16:46	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/15/20 16:46	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/15/20 16:46	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/15/20 16:46	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/15/20 16:46	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/15/20 16:46	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/15/20 16:46	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/15/20 16:46	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/15/20 16:46	78-93-3	
2-Hexanone	**1.8J**	ug/L	10.0	0.58	1		05/15/20 16:46	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/15/20 16:46	108-10-1	
Acetone	**11.7**	ug/L	10.0	5.6	1		05/15/20 16:46	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/15/20 16:46	107-13-1	
Benzene	**1.2**	ug/L	1.0	0.34	1		05/15/20 16:46	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/15/20 16:46	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/15/20 16:46	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/15/20 16:46	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/15/20 16:46	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/15/20 16:46	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/15/20 16:46	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/15/20 16:46	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/15/20 16:46	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/15/20 16:46	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/15/20 16:46	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/15/20 16:46	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/15/20 16:46	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		05/15/20 16:46	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/15/20 16:46	74-88-4	CL,IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/15/20 16:46	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/15/20 16:46	75-09-2	
Naphthalene	**3.4**	ug/L	2.0	0.82	1		05/15/20 16:46	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		05/15/20 16:46	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/15/20 16:46	127-18-4	
Toluene	**0.41J**	ug/L	1.0	0.32	1		05/15/20 16:46	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/15/20 16:46	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/15/20 16:46	75-69-4	L1
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/15/20 16:46	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/15/20 16:46	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		05/15/20 16:46	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/15/20 16:46	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30361891

Sample: CO55-PZM000 **Lab ID: 30361891009** Collected: 05/06/20 15:05 Received: 05/06/20 22:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/15/20 16:46	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/15/20 16:46	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/15/20 16:46	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/15/20 16:46	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	70-130		1		05/15/20 16:46	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%.	70-130		1		05/15/20 16:46	17060-07-0	
Toluene-d8 (S)	94	%.	70-130		1		05/15/20 16:46	2037-26-5	
Dibromofluoromethane (S)	105	%.	70-130		1		05/15/20 16:46	1868-53-7	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30361891

QC Batch: 396594 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30361891001, 30361891002, 30361891003, 30361891004, 30361891005, 30361891006, 30361891007, 30361891008, 30361891009

METHOD BLANK: 1920888 Matrix: Water
Associated Lab Samples: 30361891001, 30361891002, 30361891003, 30361891004, 30361891005, 30361891006, 30361891007, 30361891008, 30361891009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	05/15/20 12:06	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	05/15/20 12:06	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	05/15/20 12:06	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	05/15/20 12:06	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	05/15/20 12:06	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	05/15/20 12:06	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	05/15/20 12:06	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	05/15/20 12:06	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	05/15/20 12:06	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	05/15/20 12:06	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	05/15/20 12:06	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	05/15/20 12:06	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	05/15/20 12:06	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	05/15/20 12:06	
2-Hexanone	ug/L	10.0 U	10.0	0.58	05/15/20 12:06	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	05/15/20 12:06	
Acetone	ug/L	10.0 U	10.0	5.6	05/15/20 12:06	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	05/15/20 12:06	
Benzene	ug/L	1.0 U	1.0	0.34	05/15/20 12:06	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	05/15/20 12:06	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	05/15/20 12:06	
Bromoform	ug/L	1.0 U	1.0	0.56	05/15/20 12:06	
Bromomethane	ug/L	1.0 U	1.0	0.73	05/15/20 12:06	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	05/15/20 12:06	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	05/15/20 12:06	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	05/15/20 12:06	
Chloroethane	ug/L	1.0 U	1.0	0.64	05/15/20 12:06	
Chloroform	ug/L	1.0 U	1.0	0.39	05/15/20 12:06	
Chloromethane	ug/L	1.0 U	1.0	0.40	05/15/20 12:06	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	05/15/20 12:06	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	05/15/20 12:06	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	05/15/20 12:06	
Dibromomethane	ug/L	1.0 U	1.0	0.34	05/15/20 12:06	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	05/15/20 12:06	
Iodomethane	ug/L	50.0 U	50.0	0.52	05/15/20 12:06	CL,IH
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	05/15/20 12:06	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	05/15/20 12:06	
Naphthalene	ug/L	2.0 U	2.0	0.82	05/15/20 12:06	
Styrene	ug/L	1.0 U	1.0	0.33	05/15/20 12:06	

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(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30361891

METHOD BLANK: 1920888 Matrix: Water

Associated Lab Samples: 30361891001, 30361891002, 30361891003, 30361891004, 30361891005, 30361891006, 30361891007, 30361891008, 30361891009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	05/15/20 12:06	
Toluene	ug/L	1.0 U	1.0	0.32	05/15/20 12:06	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	05/15/20 12:06	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	05/15/20 12:06	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	05/15/20 12:06	
Trichloroethene	ug/L	1.0 U	1.0	0.29	05/15/20 12:06	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	05/15/20 12:06	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	05/15/20 12:06	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	05/15/20 12:06	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	05/15/20 12:06	
1,2-Dichloroethane-d4 (S)	%.	105	70-130		05/15/20 12:06	
4-Bromofluorobenzene (S)	%.	99	70-130		05/15/20 12:06	
Dibromofluoromethane (S)	%.	104	70-130		05/15/20 12:06	
Toluene-d8 (S)	%.	95	70-130		05/15/20 12:06	

LABORATORY CONTROL SAMPLE: 1920889

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.8	94	70-130	
1,1,1-Trichloroethane	ug/L	20	21.8	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.3	107	70-130	
1,1,2-Trichloroethane	ug/L	20	20.2	101	70-130	
1,1-Dichloroethane	ug/L	20	20.1	101	70-130	
1,1-Dichloroethene	ug/L	20	18.7	93	70-130	
1,2,3-Trichloropropane	ug/L	20	21.0	105	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	18.6	93	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	20.2	101	70-130	
1,2-Dichlorobenzene	ug/L	20	20.9	105	70-130	
1,2-Dichloroethane	ug/L	20	20.9	104	70-130	
1,2-Dichloropropane	ug/L	20	20.4	102	70-130	
1,4-Dichlorobenzene	ug/L	20	20.0	100	70-130	
2-Butanone (MEK)	ug/L	20	20.7	103	70-130	
2-Hexanone	ug/L	20	22.9	115	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	22.9	115	70-130	
Acetone	ug/L	20	21.6	108	67-173	
Acrylonitrile	ug/L	20	25.6	128	56-147	
Benzene	ug/L	20	21.0	105	70-130	
Bromochloromethane	ug/L	20	21.5	107	70-130	
Bromodichloromethane	ug/L	20	21.5	107	70-130	
Bromoform	ug/L	20	18.6	93	63-119	
Bromomethane	ug/L	20	13.7	68	24-159	
Carbon disulfide	ug/L	20	21.2	106	57-132	
Carbon tetrachloride	ug/L	20	19.5	98	70-130	

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(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30361891

LABORATORY CONTROL SAMPLE: 1920889

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	20	20.3	102	70-130	
Chloroethane	ug/L	20	28.3	141	62-145	
Chloroform	ug/L	20	20.1	101	70-130	
Chloromethane	ug/L	20	21.4	107	66-140	
cis-1,2-Dichloroethene	ug/L	20	19.9	100	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.3	97	70-130	
Dibromochloromethane	ug/L	20	18.9	94	70-130	
Dibromomethane	ug/L	20	18.0	90	70-130	
Ethylbenzene	ug/L	20	20.4	102	70-130	
Iodomethane	ug/L	20	10J	50	10-175	CL,IH
Methyl-tert-butyl ether	ug/L	20	19.9	99	70-130	
Methylene Chloride	ug/L	20	20.5	103	70-130	
Naphthalene	ug/L	20	20.3	102	55-160	
Styrene	ug/L	20	20.7	103	70-130	
Tetrachloroethene	ug/L	20	20.6	103	70-130	
Toluene	ug/L	20	20.6	103	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.8	99	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.3	102	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	19.9	99	48-131	
Trichloroethene	ug/L	20	19.5	98	70-130	
Trichlorofluoromethane	ug/L	20	26.7	134	70-130	L1
Vinyl acetate	ug/L	20	16.4	82	33-128	
Vinyl chloride	ug/L	20	23.4	117	70-130	
Xylene (Total)	ug/L	60	61.3	102	70-130	
1,2-Dichloroethane-d4 (S)	%.			103	70-130	
4-Bromofluorobenzene (S)	%.			99	70-130	
Dibromofluoromethane (S)	%.			104	70-130	
Toluene-d8 (S)	%.			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1920890 1920891

Parameter	Units	30363036003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	20	20	16.0	16.9	80	85	59-117	6	30	
1,1,1-Trichloroethane	ug/L	1.0 U	20	20	19.7	20.7	99	104	55-146	5	30	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	20	20	19.2	19.1	96	95	55-118	1	30	
1,1,2-Trichloroethane	ug/L	1.0 U	20	20	18.1	18.1	90	91	61-122	0	30	
1,1-Dichloroethane	ug/L	1.0 U	20	20	18.6	19.3	93	97	59-130	4	30	
1,1-Dichloroethene	ug/L	1.0 U	20	20	17.5	18.0	87	90	52-119	3	30	
1,2,3-Trichloropropane	ug/L	1.0 U	20	20	17.9	18.0	89	90	59-117	0	30	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	20	20	15.6	15.6	78	78	32-112	0	30	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	20	20	16.7	18.2	84	91	61-116	8	30	
1,2-Dichlorobenzene	ug/L	1.0 U	20	20	18.5	18.8	92	94	58-126	2	30	
1,2-Dichloroethane	ug/L	1.0 U	20	20	19.0	18.7	95	94	49-135	2	30	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30361891

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1920890 1920891

Parameter	Units	30363036003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloropropane	ug/L	1.0 U	20	20	18.3	18.6	91	93	67-121	1	30	
1,4-Dichlorobenzene	ug/L	1.0 U	20	20	18.0	18.2	90	91	60-121	1	30	
2-Butanone (MEK)	ug/L	10.0 U	20	20	21.4	20.5	107	103	59-138	4	30	
2-Hexanone	ug/L	10.0 U	20	20	18.8	18.4	94	92	66-123	2	30	
4-Methyl-2-pentanone (MIBK)	ug/L	1.2J	20	20	19.9	19.6	93	92	70-130	2	30	
Acetone	ug/L	138	20	20	161	162	113	120	57-140	1	30	
Acrylonitrile	ug/L	4.0 U	20	20	21.3	20.6	107	103	47-134	4	30	
Benzene	ug/L	1.5	20	20	30.1	23.6	143	110	50-149	24	30	
Bromochloromethane	ug/L	1.0 U	20	20	19.0	19.9	95	99	63-120	5	30	
Bromodichloromethane	ug/L	1.0 U	20	20	18.7	19.2	93	96	46-131	3	30	
Bromoform	ug/L	1.0 U	20	20	15.4	15.6	77	78	30-119	1	30	
Bromomethane	ug/L	1.3	20	20	2.1	3.9	4	13	10-163	58	30	ML,R1
Carbon disulfide	ug/L	1.0 U	20	20	17.1	15.8	85	79	41-116	8	30	
Carbon tetrachloride	ug/L	1.0 U	20	20	17.4	18.4	87	92	55-119	5	30	
Chlorobenzene	ug/L	1.0 U	20	20	18.0	18.4	90	92	66-124	2	30	
Chloroethane	ug/L	1.0 U	20	20	20.8	21.4	104	107	45-162	3	30	
Chloroform	ug/L	1.0 U	20	20	18.0	18.5	90	92	56-123	3	30	
Chloromethane	ug/L	1.0 U	20	20	14.3	16.1	72	80	49-150	11	30	
cis-1,2-Dichloroethene	ug/L	1.0 U	20	20	17.9	18.9	90	95	63-116	5	30	
cis-1,3-Dichloropropene	ug/L	1.0 U	20	20	17.1	17.1	85	86	46-119	0	30	
Dibromochloromethane	ug/L	1.0 U	20	20	15.6	17.0	78	85	42-120	8	30	
Dibromomethane	ug/L	1.0 U	20	20	16.2	16.6	81	83	55-117	2	30	
Ethylbenzene	ug/L	1.0 U	20	20	18.2	18.2	91	91	63-135	0	30	
Iodomethane	ug/L	50.0 U	20	20	2.0J	4.5J	10	22	10-175		30	CL,IH
Methyl-tert-butyl ether	ug/L	1.0 U	20	20	17.0	16.1	85	81	53-123	5	30	
Methylene Chloride	ug/L	1.0 U	20	20	18.8	19.6	94	98	57-132	4	30	
Naphthalene	ug/L	6.5	20	20	27.3	25.5	104	95	30-157	7	30	
Styrene	ug/L	1.0 U	20	20	17.4	17.4	87	87	58-130	0	30	
Tetrachloroethene	ug/L	1.0 U	20	20	17.3	17.8	87	89	61-132	3	30	
Toluene	ug/L	0.66J	20	20	24.8	21.0	121	102	59-139	16	30	
trans-1,2-Dichloroethene	ug/L	1.0 U	20	20	18.1	18.5	91	93	60-124	2	30	
trans-1,3-Dichloropropene	ug/L	1.0 U	20	20	16.7	17.2	83	86	48-121	3	30	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	20	14.7	14.0	74	70	10-111	5	30	
Trichloroethene	ug/L	1.0 U	20	20	18.0	18.7	90	93	63-128	3	30	
Trichlorofluoromethane	ug/L	1.0 U	20	20	23.7	23.8	119	119	70-152	0	30	
Vinyl acetate	ug/L	1.0 U	20	20	14.2	14.7	71	73	23-102	3	30	
Vinyl chloride	ug/L	1.0 U	20	20	19.2	18.7	96	93	67-141	3	30	
Xylene (Total)	ug/L	3.0 U	60	60	57.4	57.3	94	94	63-135	0	30	
1,2-Dichloroethane-d4 (S)	%.						103	107	70-130			
4-Bromofluorobenzene (S)	%.						98	97	70-130			
Dibromofluoromethane (S)	%.						105	105	70-130			
Toluene-d8 (S)	%.						96	96	70-130			

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Greensburg, PA 15601
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QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30361891

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30361891

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30361891001	**Trip Blank**	EPA 8260B	396594		
30361891002	**CO37-PZM038**	EPA 8260B	396594		
30361891003	**CO41-PZM001**	EPA 8260B	396594		
30361891004	**CO41-PZM036**	EPA 8260B	396594		
30361891005	**CO56-PZP001**	EPA 8260B	396594		
30361891006	**CO57-PZP002**	EPA 8260B	396594		
30361891007	**CO58-PZM001**	EPA 8260B	396594		
30361891008	**CO26-PZM007**	EPA 8260B	396594		
30361891009	**CO55-PZM000**	EPA 8260B	396594		

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A
Client Information:
EnviroAnalytics Group
1600 Sparrows Point Blvd, Suite B2
Sparrows Point, MD 21219
jcalenda@enviroanalyticsgroup.com
314-620-3056 | Fax:
Required Due Date/TAT: 5 Day

Section B
Required Project Information:
Report To: James Calenda
Copy To: Stewart Kabis
Purchase Order No.: EAG-SPT-6989
Project Name: COA IM GW Sampling
Project Number:

Section C
Invoice Information:
Attention: Laura Sargent
Company Name: EnviroAnalytics Group
Address: 1650 Des Peres Road, Suite 303 St. Louis, MO 63131
Pace Quote Reference:
Pace Project Manager: Samantha Bayura
Pace Profile #:

Page: / of /

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER
Site Location STATE: MD

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

WO# : 30361891

30361891

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: VOC + NAPH by 8260	Residl	Pace Project No./ Lab I.D.
Trip Blank	WT				5/6/20	1020		2				2					X		001
C037 - PZM038	GW	G				0930		3	3			3					X		002
C041 - PZM001						1025		3	3			3					X		003
C041 - PZM036						1105		3	3			3					X		004
C056 - PZP001						1150		3	3			3					X		005
C057 - PZP002						1300		3	3			3					X		006
C058 - PZM001						1350		3	3			3					X		007
C026 - PZM037						1450		3	3			3					X		008
C055 - PZM000						1505		3	3			3					X		009
								26											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NG		5/6/20	1530	GMB / PACE	5/6/20	15:35				
NG	GMB / PACE	5/6/20	1815	RDS PACE	5/6/20	1830		Y		
	RDS PACE	5/6/20	2225	Nicole Rumio	5/6/2020	2225	4.0	Y	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Leandra M Blumas
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 05/06/2020

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: EnviroAnalytics Project # # 30361891

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Label NMR
LIMS Login NMR

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used 9 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 4.5 °C Correction Factor: -0.5 °C Final Temp: 4.0 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# NA	Date and Initials of person examining contents: NMR 5/7/2020
Chain of Custody Present:	✓			1.	
Chain of Custody Filled Out:	✓			2.	
Chain of Custody Relinquished:	✓			3.	
Sampler Name & Signature on COC:	✓			4.	
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.	
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):		✓		7.	
Rush Turn Around Time Requested:	✓			8.	
Sufficient Volume:	✓			9.	
Correct Containers Used: -Pace Containers Used:	✓ ✓			10.	
Containers Intact:	✓			11.	
Orthophosphate field filtered			✓	12.	
Hex Cr Aqueous sample field filtered			✓	13.	
Organic Samples checked for dechlorination:			✓	14.	
Filtered volume received for Dissolved tests			✓	15.	
All containers have been checked for preservation. exceptions: (VOA) coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix			✓	16.	
All containers meet method preservation requirements.	✓			Initial when completed NMR	Date/time of preservation
				Lot # of added preservative	
Headspace in VOA Vials (>6mm):		✓		17.	
Trip Blank Present:	✓			18.	
Trip Blank Custody Seals Present	✓				
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed:	Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

May 15, 2020

Mr. James Calenda
EnviroAnalytics Group, LLC
1600 Sparrows Point Blvd
Suite B2
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30362094

Dear Mr. Calenda:

Enclosed are the analytical results for sample(s) received by the laboratory on May 07, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30362094

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30362094001	**Trip Blank**	Water	05/07/20 00:01	05/07/20 22:15
30362094002	**CO60-PZP001**	Water	05/07/20 09:25	05/07/20 22:15
30362094003	**CO59-PZP002**	Water	05/07/20 10:30	05/07/20 22:15
30362094004	**CO23-PZM008**	Water	05/07/20 11:10	05/07/20 22:15
30362094005	**CO24-PZM007**	Water	05/07/20 12:00	05/07/20 22:15
30362094006	**CO43-PZM048**	Water	05/07/20 12:30	05/07/20 22:15
30362094007	**CO44-PZM048**	Water	05/07/20 12:50	05/07/20 22:15
30362094008	**CO45-PZM047**	Water	05/07/20 13:20	05/07/20 22:15
30362094009	**CO46-PZM047**	Water	05/07/20 13:50	05/07/20 22:15
30362094010	**CO47-PZM046**	Water	05/07/20 14:20	05/07/20 22:15
30362094011	**CO48-PZM044**	Water	05/07/20 14:50	05/07/20 22:15

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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30362094

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30362094001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30362094002	**CO60-PZP001**	EPA 8260B	LEL	53	PASI-PA
30362094003	**CO59-PZP002**	EPA 8260B	LEL	53	PASI-PA
30362094004	**CO23-PZM008**	EPA 8260B	LEL	53	PASI-PA
30362094005	**CO24-PZM007**	EPA 8260B	LEL	53	PASI-PA
30362094006	**CO43-PZM048**	EPA 8260B	LEL	53	PASI-PA
30362094007	**CO44-PZM048**	EPA 8260B	LEL	53	PASI-PA
30362094008	**CO45-PZM047**	EPA 8260B	LEL	53	PASI-PA
30362094009	**CO46-PZM047**	EPA 8260B	LEL	53	PASI-PA
30362094010	**CO47-PZM046**	EPA 8260B	LEL	53	PASI-PA
30362094011	**CO48-PZM044**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: Trip Blank **Lab ID: 30362094001** Collected: 05/07/20 00:01 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/14/20 12:53	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 12:53	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/14/20 12:53	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 12:53	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/14/20 12:53	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/14/20 12:53	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/14/20 12:53	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/14/20 12:53	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/14/20 12:53	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 12:53	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 12:53	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/14/20 12:53	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/14/20 12:53	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/14/20 12:53	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		05/14/20 12:53	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/14/20 12:53	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		05/14/20 12:53	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/14/20 12:53	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		05/14/20 12:53	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/14/20 12:53	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/14/20 12:53	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/14/20 12:53	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/14/20 12:53	74-83-9	CL
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 12:53	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/14/20 12:53	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/14/20 12:53	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/14/20 12:53	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/14/20 12:53	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/14/20 12:53	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/14/20 12:53	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/14/20 12:53	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		05/14/20 12:53	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/14/20 12:53	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/14/20 12:53	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/14/20 12:53	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		05/14/20 12:53	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 12:53	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/14/20 12:53	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 12:53	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 12:53	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/14/20 12:53	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/14/20 12:53	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 12:53	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		05/14/20 12:53	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 12:53	156-59-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: Trip Blank **Lab ID: 30362094001** Collected: 05/07/20 00:01 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 12:53	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/14/20 12:53	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 12:53	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/14/20 12:53	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	70-130		1		05/14/20 12:53	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130		1		05/14/20 12:53	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		1		05/14/20 12:53	2037-26-5	
Dibromofluoromethane (S)	99	%.	70-130		1		05/14/20 12:53	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO60-PZP001 **Lab ID: 30362094002** Collected: 05/07/20 09:25 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/13/20 14:04	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 14:04	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/13/20 14:04	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 14:04	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/13/20 14:04	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/13/20 14:04	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/13/20 14:04	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/13/20 14:04	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/13/20 14:04	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 14:04	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 14:04	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/13/20 14:04	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/13/20 14:04	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/13/20 14:04	78-93-3	
2-Hexanone	**0.84J**	ug/L	10.0	0.58	1		05/13/20 14:04	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/13/20 14:04	108-10-1	
Acetone	**15.1**	ug/L	10.0	5.6	1		05/13/20 14:04	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/13/20 14:04	107-13-1	
Benzene	**249**	ug/L	1.0	0.34	1		05/13/20 14:04	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/13/20 14:04	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/13/20 14:04	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/13/20 14:04	75-25-2	
Bromomethane	**1.5**	ug/L	1.0	0.73	1		05/13/20 14:04	74-83-9	CL
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 14:04	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/13/20 14:04	56-23-5	
Chlorobenzene	**0.31J**	ug/L	1.0	0.26	1		05/13/20 14:04	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/13/20 14:04	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/13/20 14:04	67-66-3	
Chloromethane	**1.1**	ug/L	1.0	0.40	1		05/13/20 14:04	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/13/20 14:04	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/13/20 14:04	74-95-3	
Ethylbenzene	**7.0**	ug/L	1.0	0.40	1		05/13/20 14:04	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/13/20 14:04	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/13/20 14:04	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/13/20 14:04	75-09-2	
Naphthalene	**1700**	ug/L	40.0	16.4	20		05/14/20 22:04	91-20-3	
Styrene	**25.9**	ug/L	1.0	0.33	1		05/13/20 14:04	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/13/20 14:04	127-18-4	
Toluene	**35.1**	ug/L	1.0	0.32	1		05/13/20 14:04	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 14:04	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/13/20 14:04	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/13/20 14:04	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 14:04	75-01-4	
Xylene (Total)	**162**	ug/L	3.0	1.4	1		05/13/20 14:04	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 14:04	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO60-PZP001 **Lab ID: 30362094002** Collected: 05/07/20 09:25 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 14:04	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/13/20 14:04	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 14:04	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/13/20 14:04	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%.	70-130		1		05/13/20 14:04	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%.	70-130		1		05/13/20 14:04	17060-07-0	
Toluene-d8 (S)	93	%.	70-130		1		05/13/20 14:04	2037-26-5	
Dibromofluoromethane (S)	101	%.	70-130		1		05/13/20 14:04	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO59-PZP002 **Lab ID: 30362094003** Collected: 05/07/20 10:30 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/14/20 13:44	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 13:44	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/14/20 13:44	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 13:44	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/14/20 13:44	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/14/20 13:44	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/14/20 13:44	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/14/20 13:44	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/14/20 13:44	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 13:44	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 13:44	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/14/20 13:44	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/14/20 13:44	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/14/20 13:44	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		05/14/20 13:44	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/14/20 13:44	108-10-1	
Acetone	**9.2J**	ug/L	10.0	5.6	1		05/14/20 13:44	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/14/20 13:44	107-13-1	
Benzene	**17.0**	ug/L	1.0	0.34	1		05/14/20 13:44	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/14/20 13:44	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/14/20 13:44	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/14/20 13:44	75-25-2	
Bromomethane	**1.5**	ug/L	1.0	0.73	1		05/14/20 13:44	74-83-9	CL
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 13:44	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/14/20 13:44	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/14/20 13:44	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/14/20 13:44	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/14/20 13:44	67-66-3	
Chloromethane	**1.1**	ug/L	1.0	0.40	1		05/14/20 13:44	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/14/20 13:44	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/14/20 13:44	74-95-3	
Ethylbenzene	**0.90J**	ug/L	1.0	0.40	1		05/14/20 13:44	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/14/20 13:44	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/14/20 13:44	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/14/20 13:44	75-09-2	
Naphthalene	**31.4**	ug/L	2.0	0.82	1		05/14/20 13:44	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 13:44	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/14/20 13:44	127-18-4	
Toluene	**6.3**	ug/L	1.0	0.32	1		05/14/20 13:44	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 13:44	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/14/20 13:44	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/14/20 13:44	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 13:44	75-01-4	
Xylene (Total)	**11.9**	ug/L	3.0	1.4	1		05/14/20 13:44	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 13:44	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO59-PZP002 **Lab ID: 30362094003** Collected: 05/07/20 10:30 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 13:44	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/14/20 13:44	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 13:44	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/14/20 13:44	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	70-130		1		05/14/20 13:44	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%.	70-130		1		05/14/20 13:44	17060-07-0	
Toluene-d8 (S)	96	%.	70-130		1		05/14/20 13:44	2037-26-5	
Dibromofluoromethane (S)	105	%.	70-130		1		05/14/20 13:44	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO23-PZM008 **Lab ID: 30362094004** Collected: 05/07/20 11:10 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/13/20 18:13	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 18:13	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 18:13	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 18:13	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 18:13	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 18:13	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 18:13	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/13/20 18:13	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 18:13	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 18:13	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 18:13	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 18:13	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 18:13	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/13/20 18:13	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/13/20 18:13	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/13/20 18:13	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		05/13/20 18:13	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/13/20 18:13	107-13-1	
Benzene	**431**	ug/L	5.0	1.7	5		05/13/20 18:13	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 18:13	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 18:13	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/13/20 18:13	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/13/20 18:13	74-83-9	CL
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 18:13	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 18:13	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/13/20 18:13	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 18:13	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 18:13	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 18:13	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/13/20 18:13	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 18:13	74-95-3	
Ethylbenzene	**21.3**	ug/L	5.0	2.0	5		05/13/20 18:13	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/13/20 18:13	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 18:13	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 18:13	75-09-2	
Naphthalene	**3200**	ug/L	200	81.9	100		05/13/20 18:01	91-20-3	
Styrene	**16.7**	ug/L	5.0	1.6	5		05/13/20 18:13	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 18:13	127-18-4	
Toluene	**201**	ug/L	5.0	1.6	5		05/13/20 18:13	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/13/20 18:13	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/13/20 18:13	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 18:13	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 18:13	75-01-4	
Xylene (Total)	**363**	ug/L	15.0	6.8	5		05/13/20 18:13	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 18:13	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO23-PZM008 **Lab ID: 30362094004** Collected: 05/07/20 11:10 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 18:13	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 18:13	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 18:13	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/13/20 18:13	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	70-130		5		05/13/20 18:13	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%.	70-130		5		05/13/20 18:13	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		5		05/13/20 18:13	2037-26-5	
Dibromofluoromethane (S)	101	%.	70-130		5		05/13/20 18:13	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO24-PZM007 **Lab ID: 30362094005** Collected: 05/07/20 12:00 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/13/20 16:34	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 16:34	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/13/20 16:34	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 16:34	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/13/20 16:34	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/13/20 16:34	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/13/20 16:34	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/13/20 16:34	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/13/20 16:34	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 16:34	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 16:34	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/13/20 16:34	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/13/20 16:34	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/13/20 16:34	78-93-3	
2-Hexanone	**1.2J**	ug/L	10.0	0.58	1		05/13/20 16:34	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/13/20 16:34	108-10-1	
Acetone	**15.8**	ug/L	10.0	5.6	1		05/13/20 16:34	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/13/20 16:34	107-13-1	
Benzene	**3.2**	ug/L	1.0	0.34	1		05/13/20 16:34	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/13/20 16:34	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/13/20 16:34	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/13/20 16:34	75-25-2	
Bromomethane	**1.0J**	ug/L	1.0	0.73	1		05/13/20 16:34	74-83-9	CL
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 16:34	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/13/20 16:34	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/13/20 16:34	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/13/20 16:34	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/13/20 16:34	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/13/20 16:34	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/13/20 16:34	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/13/20 16:34	74-95-3	
Ethylbenzene	**4.6**	ug/L	1.0	0.40	1		05/13/20 16:34	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/13/20 16:34	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/13/20 16:34	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/13/20 16:34	75-09-2	
Naphthalene	**2620**	ug/L	40.0	16.4	20		05/13/20 16:21	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 16:34	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/13/20 16:34	127-18-4	
Toluene	**1.9**	ug/L	1.0	0.32	1		05/13/20 16:34	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 16:34	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/13/20 16:34	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/13/20 16:34	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 16:34	75-01-4	
Xylene (Total)	**6.7**	ug/L	3.0	1.4	1		05/13/20 16:34	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 16:34	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO24-PZM007 **Lab ID: 30362094005** Collected: 05/07/20 12:00 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 16:34	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/13/20 16:34	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 16:34	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/13/20 16:34	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		1		05/13/20 16:34	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%.	70-130		1		05/13/20 16:34	17060-07-0	
Toluene-d8 (S)	93	%.	70-130		1		05/13/20 16:34	2037-26-5	
Dibromofluoromethane (S)	104	%.	70-130		1		05/13/20 16:34	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO43-PZM048 **Lab ID: 30362094006** Collected: 05/07/20 12:30 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/13/20 17:24	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 17:24	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/13/20 17:24	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 17:24	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/13/20 17:24	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/13/20 17:24	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/13/20 17:24	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/13/20 17:24	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/13/20 17:24	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 17:24	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/13/20 17:24	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/13/20 17:24	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/13/20 17:24	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/13/20 17:24	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		05/13/20 17:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/13/20 17:24	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		05/13/20 17:24	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/13/20 17:24	107-13-1	
Benzene	**2390**	ug/L	100	33.8	100		05/13/20 17:11	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/13/20 17:24	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/13/20 17:24	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/13/20 17:24	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/13/20 17:24	74-83-9	CL
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 17:24	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/13/20 17:24	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/13/20 17:24	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/13/20 17:24	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/13/20 17:24	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/13/20 17:24	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/13/20 17:24	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/13/20 17:24	74-95-3	
Ethylbenzene	**7.2**	ug/L	1.0	0.40	1		05/13/20 17:24	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/13/20 17:24	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/13/20 17:24	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/13/20 17:24	75-09-2	
Naphthalene	**90.5**	ug/L	2.0	0.82	1		05/13/20 17:24	91-20-3	
Styrene	**0.71J**	ug/L	1.0	0.33	1		05/13/20 17:24	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/13/20 17:24	127-18-4	
Toluene	**25.2**	ug/L	1.0	0.32	1		05/13/20 17:24	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 17:24	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/13/20 17:24	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/13/20 17:24	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 17:24	75-01-4	
Xylene (Total)	**103**	ug/L	3.0	1.4	1		05/13/20 17:24	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/13/20 17:24	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO43-PZM048 **Lab ID: 30362094006** Collected: 05/07/20 12:30 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/13/20 17:24	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/13/20 17:24	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/13/20 17:24	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/13/20 17:24	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%.	70-130		1		05/13/20 17:24	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		1		05/13/20 17:24	17060-07-0	
Toluene-d8 (S)	93	%.	70-130		1		05/13/20 17:24	2037-26-5	
Dibromofluoromethane (S)	99	%.	70-130		1		05/13/20 17:24	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO44-PZM048 **Lab ID: 30362094007** Collected: 05/07/20 12:50 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/13/20 15:19	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 15:19	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 15:19	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 15:19	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 15:19	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 15:19	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 15:19	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/13/20 15:19	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 15:19	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 15:19	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 15:19	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 15:19	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 15:19	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/13/20 15:19	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/13/20 15:19	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/13/20 15:19	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		05/13/20 15:19	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/13/20 15:19	107-13-1	
Benzene	**2660**	ug/L	20.0	6.8	20		05/15/20 12:44	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 15:19	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 15:19	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/13/20 15:19	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/13/20 15:19	74-83-9	CL
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 15:19	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 15:19	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/13/20 15:19	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 15:19	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 15:19	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 15:19	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/13/20 15:19	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 15:19	74-95-3	
Ethylbenzene	**11.0**	ug/L	5.0	2.0	5		05/13/20 15:19	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/13/20 15:19	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 15:19	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 15:19	75-09-2	
Naphthalene	**134**	ug/L	10.0	4.1	5		05/13/20 15:19	91-20-3	
Styrene	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 15:19	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 15:19	127-18-4	
Toluene	**73.3**	ug/L	5.0	1.6	5		05/13/20 15:19	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/13/20 15:19	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/13/20 15:19	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 15:19	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 15:19	75-01-4	
Xylene (Total)	**81.8**	ug/L	15.0	6.8	5		05/13/20 15:19	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 15:19	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO44-PZM048 **Lab ID: 30362094007** Collected: 05/07/20 12:50 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 15:19	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 15:19	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 15:19	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/13/20 15:19	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%.	70-130		5		05/13/20 15:19	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		5		05/13/20 15:19	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		5		05/13/20 15:19	2037-26-5	
Dibromofluoromethane (S)	103	%.	70-130		5		05/13/20 15:19	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO45-PZM047 **Lab ID: 30362094008** Collected: 05/07/20 13:20 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/13/20 15:44	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 15:44	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 15:44	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 15:44	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 15:44	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 15:44	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 15:44	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/13/20 15:44	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 15:44	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 15:44	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 15:44	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 15:44	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 15:44	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/13/20 15:44	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/13/20 15:44	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/13/20 15:44	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		05/13/20 15:44	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/13/20 15:44	107-13-1	
Benzene	**1150**	ug/L	5.0	1.7	5		05/13/20 15:44	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 15:44	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 15:44	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/13/20 15:44	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/13/20 15:44	74-83-9	CL
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 15:44	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 15:44	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/13/20 15:44	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 15:44	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 15:44	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 15:44	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/13/20 15:44	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 15:44	74-95-3	
Ethylbenzene	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 15:44	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/13/20 15:44	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 15:44	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 15:44	75-09-2	
Naphthalene	**40.0**	ug/L	10.0	4.1	5		05/13/20 15:44	91-20-3	
Styrene	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 15:44	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 15:44	127-18-4	
Toluene	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 15:44	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/13/20 15:44	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/13/20 15:44	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 15:44	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 15:44	75-01-4	
Xylene (Total)	**15.0 U**	ug/L	15.0	6.8	5		05/13/20 15:44	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 15:44	156-59-2	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO45-PZM047 **Lab ID: 30362094008** Collected: 05/07/20 13:20 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 15:44	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 15:44	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 15:44	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/13/20 15:44	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%.	70-130		5		05/13/20 15:44	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%.	70-130		5		05/13/20 15:44	17060-07-0	
Toluene-d8 (S)	96	%.	70-130		5		05/13/20 15:44	2037-26-5	
Dibromofluoromethane (S)	102	%.	70-130		5		05/13/20 15:44	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO46-PZM047 **Lab ID: 30362094009** Collected: 05/07/20 13:50 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/13/20 20:18	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 20:18	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 20:18	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 20:18	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 20:18	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 20:18	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 20:18	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/13/20 20:18	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 20:18	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 20:18	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 20:18	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 20:18	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 20:18	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/13/20 20:18	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/13/20 20:18	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/13/20 20:18	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		05/13/20 20:18	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/13/20 20:18	107-13-1	
Benzene	**150000**	ug/L	1000	338	1000		05/13/20 20:05	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/13/20 20:18	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 20:18	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/13/20 20:18	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/13/20 20:18	74-83-9	CL
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 20:18	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/13/20 20:18	56-23-5	
Chlorobenzene	**1.7J**	ug/L	5.0	1.3	5		05/13/20 20:18	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 20:18	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 20:18	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 20:18	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/13/20 20:18	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/13/20 20:18	74-95-3	
Ethylbenzene	**674**	ug/L	5.0	2.0	5		05/13/20 20:18	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/13/20 20:18	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/13/20 20:18	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/13/20 20:18	75-09-2	
Naphthalene	**974**	ug/L	10.0	4.1	5		05/13/20 20:18	91-20-3	
Styrene	**65.7**	ug/L	5.0	1.6	5		05/13/20 20:18	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/13/20 20:18	127-18-4	
Toluene	**16800**	ug/L	1000	317	1000		05/13/20 20:05	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/13/20 20:18	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/13/20 20:18	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/13/20 20:18	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 20:18	75-01-4	
Xylene (Total)	**4810**	ug/L	15.0	6.8	5		05/13/20 20:18	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/13/20 20:18	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO46-PZM047 **Lab ID: 30362094009** Collected: 05/07/20 13:50 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 20:18	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/13/20 20:18	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/13/20 20:18	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/13/20 20:18	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		5		05/13/20 20:18	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		5		05/13/20 20:18	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		5		05/13/20 20:18	2037-26-5	
Dibromofluoromethane (S)	94	%.	70-130		5		05/13/20 20:18	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO47-PZM046 **Lab ID: 30362094010** Collected: 05/07/20 14:20 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/14/20 19:34	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/14/20 19:34	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/14/20 19:34	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/14/20 19:34	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/14/20 19:34	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/14/20 19:34	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/14/20 19:34	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/14/20 19:34	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/14/20 19:34	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/14/20 19:34	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/14/20 19:34	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 19:34	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/14/20 19:34	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/14/20 19:34	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/14/20 19:34	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/14/20 19:34	108-10-1	
Acetone	**32.2J**	ug/L	50.0	28.0	5		05/14/20 19:34	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/14/20 19:34	107-13-1	
Benzene	**194000**	ug/L	1000	338	1000		05/14/20 19:59	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/14/20 19:34	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/14/20 19:34	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/14/20 19:34	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/14/20 19:34	74-83-9	CL
Carbon disulfide	**30.7**	ug/L	5.0	1.6	5		05/14/20 19:34	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/14/20 19:34	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/14/20 19:34	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/14/20 19:34	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/14/20 19:34	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/14/20 19:34	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/14/20 19:34	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/14/20 19:34	74-95-3	
Ethylbenzene	**380**	ug/L	5.0	2.0	5		05/14/20 19:34	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/14/20 19:34	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/14/20 19:34	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/14/20 19:34	75-09-2	
Naphthalene	**685**	ug/L	10.0	4.1	5		05/14/20 19:34	91-20-3	
Styrene	**139**	ug/L	5.0	1.6	5		05/14/20 19:34	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/14/20 19:34	127-18-4	
Toluene	**22600**	ug/L	1000	317	1000		05/14/20 19:59	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/14/20 19:34	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/14/20 19:34	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/14/20 19:34	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 19:34	75-01-4	
Xylene (Total)	**3610**	ug/L	15.0	6.8	5		05/14/20 19:34	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/14/20 19:34	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO47-PZM046 **Lab ID: 30362094010** Collected: 05/07/20 14:20 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 19:34	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 19:34	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/14/20 19:34	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/14/20 19:34	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		5		05/14/20 19:34	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%.	70-130		5		05/14/20 19:34	17060-07-0	
Toluene-d8 (S)	102	%.	70-130		5		05/14/20 19:34	2037-26-5	
Dibromofluoromethane (S)	95	%.	70-130		5		05/14/20 19:34	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO48-PZM044 **Lab ID: 30362094011** Collected: 05/07/20 14:50 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/14/20 18:44	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/14/20 18:44	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/14/20 18:44	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/14/20 18:44	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/14/20 18:44	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/14/20 18:44	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/14/20 18:44	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/14/20 18:44	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/14/20 18:44	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/14/20 18:44	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/14/20 18:44	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 18:44	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/14/20 18:44	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/14/20 18:44	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/14/20 18:44	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/14/20 18:44	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		05/14/20 18:44	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/14/20 18:44	107-13-1	
Benzene	**15200**	ug/L	500	169	500		05/14/20 19:09	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/14/20 18:44	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/14/20 18:44	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/14/20 18:44	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/14/20 18:44	74-83-9	CL
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/14/20 18:44	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/14/20 18:44	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/14/20 18:44	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/14/20 18:44	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/14/20 18:44	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/14/20 18:44	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/14/20 18:44	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/14/20 18:44	74-95-3	
Ethylbenzene	**224**	ug/L	5.0	2.0	5		05/14/20 18:44	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/14/20 18:44	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/14/20 18:44	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/14/20 18:44	75-09-2	
Naphthalene	**1190**	ug/L	10.0	4.1	5		05/14/20 18:44	91-20-3	
Styrene	**309**	ug/L	5.0	1.6	5		05/14/20 18:44	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/14/20 18:44	127-18-4	
Toluene	**7990**	ug/L	500	158	500		05/14/20 19:09	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/14/20 18:44	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/14/20 18:44	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/14/20 18:44	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 18:44	75-01-4	
Xylene (Total)	**1880**	ug/L	15.0	6.8	5		05/14/20 18:44	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/14/20 18:44	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362094

Sample: CO48-PZM044 **Lab ID: 30362094011** Collected: 05/07/20 14:50 Received: 05/07/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 18:44	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 18:44	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/14/20 18:44	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/14/20 18:44	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%.	70-130		5		05/14/20 18:44	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		5		05/14/20 18:44	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		5		05/14/20 18:44	2037-26-5	
Dibromofluoromethane (S)	98	%.	70-130		5		05/14/20 18:44	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30362094

QC Batch: 396191 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30362094002, 30362094004, 30362094005, 30362094006, 30362094007, 30362094008, 30362094009

METHOD BLANK: 1918868 Matrix: Water
Associated Lab Samples: 30362094002, 30362094004, 30362094005, 30362094006, 30362094007, 30362094008, 30362094009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	05/13/20 12:23	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	05/13/20 12:23	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	05/13/20 12:23	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	05/13/20 12:23	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	05/13/20 12:23	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	05/13/20 12:23	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	05/13/20 12:23	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	05/13/20 12:23	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	05/13/20 12:23	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	05/13/20 12:23	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	05/13/20 12:23	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	05/13/20 12:23	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	05/13/20 12:23	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	05/13/20 12:23	
2-Hexanone	ug/L	10.0 U	10.0	0.58	05/13/20 12:23	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	05/13/20 12:23	
Acetone	ug/L	10.0 U	10.0	5.6	05/13/20 12:23	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	05/13/20 12:23	
Benzene	ug/L	1.0 U	1.0	0.34	05/13/20 12:23	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	05/13/20 12:23	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	05/13/20 12:23	
Bromoform	ug/L	1.0 U	1.0	0.56	05/13/20 12:23	
Bromomethane	ug/L	1.0 U	1.0	0.73	05/13/20 12:23	CL
Carbon disulfide	ug/L	1.0 U	1.0	0.32	05/13/20 12:23	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	05/13/20 12:23	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	05/13/20 12:23	
Chloroethane	ug/L	1.0 U	1.0	0.64	05/13/20 12:23	
Chloroform	ug/L	1.0 U	1.0	0.39	05/13/20 12:23	
Chloromethane	ug/L	1.0 U	1.0	0.40	05/13/20 12:23	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	05/13/20 12:23	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	05/13/20 12:23	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	05/13/20 12:23	
Dibromomethane	ug/L	1.0 U	1.0	0.34	05/13/20 12:23	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	05/13/20 12:23	
Iodomethane	ug/L	50.0 U	50.0	0.52	05/13/20 12:23	IH
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	05/13/20 12:23	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	05/13/20 12:23	
Naphthalene	ug/L	2.0 U	2.0	0.82	05/13/20 12:23	
Styrene	ug/L	1.0 U	1.0	0.33	05/13/20 12:23	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	05/13/20 12:23	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30362094

METHOD BLANK: 1918868 Matrix: Water
Associated Lab Samples: 30362094002, 30362094004, 30362094005, 30362094006, 30362094007, 30362094008, 30362094009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	05/13/20 12:23	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	05/13/20 12:23	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	05/13/20 12:23	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	05/13/20 12:23	
Trichloroethene	ug/L	1.0 U	1.0	0.29	05/13/20 12:23	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	05/13/20 12:23	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	05/13/20 12:23	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	05/13/20 12:23	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	05/13/20 12:23	
1,2-Dichloroethane-d4 (S)	%.	111	70-130		05/13/20 12:23	
4-Bromofluorobenzene (S)	%.	97	70-130		05/13/20 12:23	
Dibromofluoromethane (S)	%.	104	70-130		05/13/20 12:23	
Toluene-d8 (S)	%.	93	70-130		05/13/20 12:23	

LABORATORY CONTROL SAMPLE: 1918869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.2	91	70-130	
1,1,1-Trichloroethane	ug/L	20	21.1	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.3	111	70-130	
1,1,2-Trichloroethane	ug/L	20	19.7	98	70-130	
1,1-Dichloroethane	ug/L	20	19.4	97	70-130	
1,1-Dichloroethene	ug/L	20	18.1	91	70-130	
1,2,3-Trichloropropane	ug/L	20	21.0	105	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	19.1	96	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	20.0	100	70-130	
1,2-Dichlorobenzene	ug/L	20	20.8	104	70-130	
1,2-Dichloroethane	ug/L	20	20.2	101	70-130	
1,2-Dichloropropane	ug/L	20	20.2	101	70-130	
1,4-Dichlorobenzene	ug/L	20	20.2	101	70-130	
2-Butanone (MEK)	ug/L	20	22.7	113	70-130	
2-Hexanone	ug/L	20	23.1	116	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	22.5	112	70-130	
Acetone	ug/L	20	20.7	103	67-173	
Acrylonitrile	ug/L	20	24.3	122	56-147	
Benzene	ug/L	20	20.0	100	70-130	
Bromochloromethane	ug/L	20	19.4	97	70-130	
Bromodichloromethane	ug/L	20	20.3	101	70-130	
Bromoform	ug/L	20	19.6	98	63-119	
Bromomethane	ug/L	20	12.7	63	24-159	CL
Carbon disulfide	ug/L	20	21.0	105	57-132	
Carbon tetrachloride	ug/L	20	18.9	94	70-130	
Chlorobenzene	ug/L	20	19.5	98	70-130	
Chloroethane	ug/L	20	24.2	121	62-145	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30362094

LABORATORY CONTROL SAMPLE: 1918869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	20	19.2	96	70-130	
Chloromethane	ug/L	20	21.5	107	66-140	
cis-1,2-Dichloroethene	ug/L	20	19.8	99	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.0	95	70-130	
Dibromochloromethane	ug/L	20	18.5	93	70-130	
Dibromomethane	ug/L	20	17.5	88	70-130	
Ethylbenzene	ug/L	20	19.5	98	70-130	
Iodomethane	ug/L	20	13.5J	67	10-175	IH
Methyl-tert-butyl ether	ug/L	20	19.9	99	70-130	
Methylene Chloride	ug/L	20	19.4	97	70-130	
Naphthalene	ug/L	20	20.6	103	55-160	
Styrene	ug/L	20	20.1	100	70-130	
Tetrachloroethene	ug/L	20	18.6	93	70-130	
Toluene	ug/L	20	19.2	96	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.9	94	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.1	96	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	22.8	114	48-131	
Trichloroethene	ug/L	20	19.0	95	70-130	
Trichlorofluoromethane	ug/L	20	23.9	119	70-130	
Vinyl acetate	ug/L	20	17.1	86	33-128	
Vinyl chloride	ug/L	20	21.7	109	70-130	
Xylene (Total)	ug/L	60	58.8	98	70-130	
1,2-Dichloroethane-d4 (S)	%.			105	70-130	
4-Bromofluorobenzene (S)	%.			102	70-130	
Dibromofluoromethane (S)	%.			100	70-130	
Toluene-d8 (S)	%.			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1918870 1918871

Parameter	Units	30361657005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	20	20	14.4	14.8	72	74	59-117	2	30	
1,1,1-Trichloroethane	ug/L	1.0 U	20	20	18.2	17.8	91	89	55-146	2	30	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	20	20	17.1	17.1	85	85	55-118	0	30	
1,1,2-Trichloroethane	ug/L	1.0 U	20	20	16.2	16.5	81	83	61-122	2	30	
1,1-Dichloroethane	ug/L	1.0 U	20	20	17.3	17.2	86	86	59-130	1	30	
1,1-Dichloroethene	ug/L	1.0 U	20	20	15.8	15.7	79	78	52-119	1	30	
1,2,3-Trichloropropane	ug/L	1.0 U	20	20	15.9	15.9	79	80	59-117	0	30	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	20	20	14.0	13.7	70	69	32-112	2	30	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	20	20	15.8	15.7	79	78	61-116	1	30	
1,2-Dichlorobenzene	ug/L	1.0 U	20	20	16.0	16.1	80	81	58-126	1	30	
1,2-Dichloroethane	ug/L	1.0 U	20	20	17.1	16.6	85	83	49-135	3	30	
1,2-Dichloropropane	ug/L	1.0 U	20	20	16.6	16.3	83	81	67-121	2	30	
1,4-Dichlorobenzene	ug/L	1.0 U	20	20	16.0	15.7	80	79	60-121	2	30	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30362094

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1918870 1918871

Parameter	Units	30361657005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	5.9J	20	20	25.5	21.5	98	78	59-138	17	30	
2-Hexanone	ug/L	3.3J	20	20	21.1	19.1	89	79	66-123	10	30	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	20	20	18.5	15.6	93	78	70-130	17	30	
Acetone	ug/L	27.6	20	20	45.3	39.6	89	60	57-140	14	30	
Acrylonitrile	ug/L	4.0 U	20	20	21.4	17.7	107	89	47-134	19	30	
Benzene	ug/L	1.1	20	20	22.8	19.9	109	94	50-149	14	30	
Bromochloromethane	ug/L	1.0 U	20	20	17.6	16.3	88	82	63-120	7	30	
Bromodichloromethane	ug/L	1.0 U	20	20	17.2	16.7	86	84	46-131	3	30	
Bromoform	ug/L	1.0 U	20	20	13.5	12.9	67	64	30-119	5	30	
Bromomethane	ug/L	1.0 U	20	20	0.94J	1.3	5	7	10-163		30	CL,ML
Carbon disulfide	ug/L	1.0 U	20	20	16.0	13.2	80	66	41-116	19	30	
Carbon tetrachloride	ug/L	1.0 U	20	20	16.1	15.4	81	77	55-119	4	30	
Chlorobenzene	ug/L	1.0 U	20	20	16.0	16.2	80	81	66-124	1	30	
Chloroethane	ug/L	1.0 U	20	20	19.3	21.9	96	109	45-162	13	30	
Chloroform	ug/L	1.0 U	20	20	16.5	16.3	82	81	56-123	1	30	
Chloromethane	ug/L	1.0 U	20	20	14.9	15.9	74	79	49-150	7	30	
cis-1,2-Dichloroethene	ug/L	1.0 U	20	20	16.0	16.2	80	81	63-116	1	30	
cis-1,3-Dichloropropene	ug/L	1.0 U	20	20	15.6	15.3	78	76	46-119	2	30	
Dibromochloromethane	ug/L	1.0 U	20	20	14.2	14.5	71	73	42-120	2	30	
Dibromomethane	ug/L	1.0 U	20	20	14.3	14.7	71	73	55-117	3	30	
Ethylbenzene	ug/L	1.0 U	20	20	16.4	16.3	82	82	63-135	0	30	
Iodomethane	ug/L	50.0 U	20	20	2.2J	3.4J	11	17	10-175		30	IH
Methyl-tert-butyl ether	ug/L	1.0 U	20	20	16.3	13.1	81	65	53-123	22	30	
Methylene Chloride	ug/L	1.0 U	20	20	18.0	17.4	90	87	57-132	4	30	
Naphthalene	ug/L	2.0 U	20	20	21.5	17.2	106	85	30-157	22	30	
Styrene	ug/L	1.0 U	20	20	16.3	16.3	81	82	58-130	0	30	
Tetrachloroethene	ug/L	1.0 U	20	20	15.3	16.2	77	81	61-132	6	30	
Toluene	ug/L	1.0 U	20	20	18.0	16.7	89	83	59-139	8	30	
trans-1,2-Dichloroethene	ug/L	1.0 U	20	20	16.6	16.0	83	80	60-124	4	30	
trans-1,3-Dichloropropene	ug/L	1.0 U	20	20	14.3	14.7	72	73	48-121	2	30	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	20	12.2	10.9	61	54	10-111	12	30	
Trichloroethene	ug/L	1.0 U	20	20	16.0	16.3	80	81	63-128	2	30	
Trichlorofluoromethane	ug/L	1.0 U	20	20	22.7	23.1	114	115	70-152	2	30	
Vinyl acetate	ug/L	1.0 U	20	20	13.9	14.1	70	70	23-102	1	30	
Vinyl chloride	ug/L	1.0 U	20	20	19.9	19.9	99	100	67-141	0	30	
Xylene (Total)	ug/L	3.0 U	60	60	48.7	49.4	80	81	63-135	1	30	
1,2-Dichloroethane-d4 (S)	%.						110	108	70-130			
4-Bromofluorobenzene (S)	%.						98	98	70-130			
Dibromofluoromethane (S)	%.						104	104	70-130			
Toluene-d8 (S)	%.						95	97	70-130			

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REPORT OF LABORATORY ANALYSIS

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(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30362094

QC Batch: 396399 | Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B | Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30362094001, 30362094003, 30362094010, 30362094011

METHOD BLANK: 1919941 Matrix: Water
Associated Lab Samples: 30362094001, 30362094003, 30362094010, 30362094011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	05/14/20 12:28	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	05/14/20 12:28	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	05/14/20 12:28	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	05/14/20 12:28	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	05/14/20 12:28	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	05/14/20 12:28	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	05/14/20 12:28	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	05/14/20 12:28	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	05/14/20 12:28	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	05/14/20 12:28	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	05/14/20 12:28	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	05/14/20 12:28	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	05/14/20 12:28	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	05/14/20 12:28	
2-Hexanone	ug/L	10.0 U	10.0	0.58	05/14/20 12:28	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	05/14/20 12:28	
Acetone	ug/L	10.0 U	10.0	5.6	05/14/20 12:28	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	05/14/20 12:28	
Benzene	ug/L	1.0 U	1.0	0.34	05/14/20 12:28	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	05/14/20 12:28	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	05/14/20 12:28	
Bromoform	ug/L	1.0 U	1.0	0.56	05/14/20 12:28	
Bromomethane	ug/L	1.0 U	1.0	0.73	05/14/20 12:28	CL
Carbon disulfide	ug/L	1.0 U	1.0	0.32	05/14/20 12:28	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	05/14/20 12:28	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	05/14/20 12:28	
Chloroethane	ug/L	1.0 U	1.0	0.64	05/14/20 12:28	
Chloroform	ug/L	1.0 U	1.0	0.39	05/14/20 12:28	
Chloromethane	ug/L	1.0 U	1.0	0.40	05/14/20 12:28	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	05/14/20 12:28	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	05/14/20 12:28	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	05/14/20 12:28	
Dibromomethane	ug/L	1.0 U	1.0	0.34	05/14/20 12:28	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	05/14/20 12:28	
Iodomethane	ug/L	50.0 U	50.0	0.52	05/14/20 12:28	IH
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	05/14/20 12:28	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	05/14/20 12:28	
Naphthalene	ug/L	2.0 U	2.0	0.82	05/14/20 12:28	
Styrene	ug/L	1.0 U	1.0	0.33	05/14/20 12:28	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	05/14/20 12:28	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30362094

METHOD BLANK: 1919941 Matrix: Water
Associated Lab Samples: 30362094001, 30362094003, 30362094010, 30362094011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	05/14/20 12:28	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	05/14/20 12:28	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	05/14/20 12:28	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	05/14/20 12:28	
Trichloroethene	ug/L	1.0 U	1.0	0.29	05/14/20 12:28	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	05/14/20 12:28	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	05/14/20 12:28	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	05/14/20 12:28	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	05/14/20 12:28	
1,2-Dichloroethane-d4 (S)	%.	104	70-130		05/14/20 12:28	
4-Bromofluorobenzene (S)	%.	102	70-130		05/14/20 12:28	
Dibromofluoromethane (S)	%.	102	70-130		05/14/20 12:28	
Toluene-d8 (S)	%.	91	70-130		05/14/20 12:28	

LABORATORY CONTROL SAMPLE: 1919942

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.1	101	70-130	
1,1,1-Trichloroethane	ug/L	20	23.3	116	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.5	112	70-130	
1,1,2-Trichloroethane	ug/L	20	20.7	104	70-130	
1,1-Dichloroethane	ug/L	20	22.2	111	70-130	
1,1-Dichloroethene	ug/L	20	19.9	99	70-130	
1,2,3-Trichloropropane	ug/L	20	20.4	102	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	18.1	90	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	21.1	106	70-130	
1,2-Dichlorobenzene	ug/L	20	21.3	106	70-130	
1,2-Dichloroethane	ug/L	20	22.1	110	70-130	
1,2-Dichloropropane	ug/L	20	21.3	106	70-130	
1,4-Dichlorobenzene	ug/L	20	21.3	107	70-130	
2-Butanone (MEK)	ug/L	20	22.6	113	70-130	
2-Hexanone	ug/L	20	23.2	116	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	23.4	117	70-130	
Acetone	ug/L	20	21.2	106	67-173	
Acrylonitrile	ug/L	20	24.4	122	56-147	
Benzene	ug/L	20	22.3	111	70-130	
Bromochloromethane	ug/L	20	22.4	112	70-130	
Bromodichloromethane	ug/L	20	22.6	113	70-130	
Bromoform	ug/L	20	19.8	99	63-119	
Bromomethane	ug/L	20	8.0	40	24-159	CL
Carbon disulfide	ug/L	20	21.0	105	57-132	
Carbon tetrachloride	ug/L	20	21.3	106	70-130	
Chlorobenzene	ug/L	20	20.6	103	70-130	
Chloroethane	ug/L	20	26.1	130	62-145	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30362094

LABORATORY CONTROL SAMPLE: 1919942

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	20	20.7	103	70-130	
Chloromethane	ug/L	20	18.5	93	66-140	
cis-1,2-Dichloroethene	ug/L	20	21.5	108	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.1	105	70-130	
Dibromochloromethane	ug/L	20	20.5	102	70-130	
Dibromomethane	ug/L	20	19.0	95	70-130	
Ethylbenzene	ug/L	20	21.4	107	70-130	
Iodomethane	ug/L	20	9.9J	49	10-175	IH
Methyl-tert-butyl ether	ug/L	20	19.4	97	70-130	
Methylene Chloride	ug/L	20	22.2	111	70-130	
Naphthalene	ug/L	20	20.7	103	55-160	
Styrene	ug/L	20	21.7	108	70-130	
Tetrachloroethene	ug/L	20	20.3	102	70-130	
Toluene	ug/L	20	21.4	107	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.4	107	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.8	104	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	21.0	105	48-131	
Trichloroethene	ug/L	20	20.3	102	70-130	
Trichlorofluoromethane	ug/L	20	25.9	129	70-130	
Vinyl acetate	ug/L	20	17.8	89	33-128	
Vinyl chloride	ug/L	20	21.4	107	70-130	
Xylene (Total)	ug/L	60	64.0	107	70-130	
1,2-Dichloroethane-d4 (S)	%.			108	70-130	
4-Bromofluorobenzene (S)	%.			96	70-130	
Dibromofluoromethane (S)	%.			103	70-130	
Toluene-d8 (S)	%.			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1919943 1919944

Parameter	Units	30362374007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	10.0 U	200	200	163	161	81	81	59-117	1	30	
1,1,1-Trichloroethane	ug/L	10.0 U	200	200	197	195	98	98	55-146	1	30	
1,1,2,2-Tetrachloroethane	ug/L	10.0 U	200	200	191	187	95	94	55-118	2	30	
1,1,2-Trichloroethane	ug/L	10.0 U	200	200	184	178	92	89	61-122	3	30	
1,1-Dichloroethane	ug/L	10.0 U	200	200	188	181	94	90	59-130	4	30	
1,1-Dichloroethene	ug/L	10.0 U	200	200	174	174	87	87	52-119	0	30	
1,2,3-Trichloropropane	ug/L	10.0 U	200	200	185	176	92	88	59-117	5	30	
1,2-Dibromo-3-chloropropane	ug/L	50.0 U	200	200	154	145	77	73	32-112	6	30	
1,2-Dibromoethane (EDB)	ug/L	10.0 U	200	200	174	176	87	88	61-116	1	30	
1,2-Dichlorobenzene	ug/L	10.0 U	200	200	183	178	92	89	58-126	3	30	
1,2-Dichloroethane	ug/L	10.0 U	200	200	180	187	90	93	49-135	4	30	
1,2-Dichloropropane	ug/L	10.0 U	200	200	179	178	90	89	67-121	1	30	
1,4-Dichlorobenzene	ug/L	10.0 U	200	200	180	174	90	87	60-121	3	30	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30362094

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1919943 1919944

Parameter	Units	30362374007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	100 U	200	200	184	192	92	96	59-138	5	30	
2-Hexanone	ug/L	100 U	200	200	176	190	88	95	66-123	7	30	
4-Methyl-2-pentanone (MIBK)	ug/L	100 U	200	200	182	188	91	94	70-130	3	30	
Acetone	ug/L	100 U	200	200	190	198	81	86	57-140	4	30	
Acrylonitrile	ug/L	40.0 U	200	200	201	215	101	108	47-134	7	30	
Benzene	ug/L	281	200	200	471	471	95	95	50-149	0	30	
Bromochloromethane	ug/L	10.0 U	200	200	187	188	94	94	63-120	0	30	
Bromodichloromethane	ug/L	10.0 U	200	200	179	184	89	92	46-131	3	30	
Bromoform	ug/L	10.0 U	200	200	154	152	77	76	30-119	2	30	
Bromomethane	ug/L	10.0 U	200	200	22.8	41.2	11	21	10-163	57	30	CL,R1
Carbon disulfide	ug/L	10.0 U	200	200	166	174	83	87	41-116	5	30	
Carbon tetrachloride	ug/L	10.0 U	200	200	171	175	85	88	55-119	3	30	
Chlorobenzene	ug/L	10.0 U	200	200	180	180	90	90	66-124	0	30	
Chloroethane	ug/L	10.0 U	200	200	231	236	116	118	45-162	2	30	
Chloroform	ug/L	10.0 U	200	200	174	174	87	87	56-123	0	30	
Chloromethane	ug/L	10.0 U	200	200	135	162	67	81	49-150	18	30	
cis-1,2-Dichloroethene	ug/L	10.0 U	200	200	176	172	88	86	63-116	2	30	
cis-1,3-Dichloropropene	ug/L	10.0 U	200	200	167	164	84	82	46-119	2	30	
Dibromochloromethane	ug/L	10.0 U	200	200	164	162	82	81	42-120	1	30	
Dibromomethane	ug/L	10.0 U	200	200	162	163	81	81	55-117	0	30	
Ethylbenzene	ug/L	11.4	200	200	200	190	94	89	63-135	5	30	
Iodomethane	ug/L	500 U	200	200	28.4J	63.8J	14	32	10-175		30	IH
Methyl-tert-butyl ether	ug/L	10.0 U	200	200	161	170	80	85	53-123	6	30	
Methylene Chloride	ug/L	10.0 U	200	200	186	183	93	91	57-132	2	30	
Naphthalene	ug/L	2980	200	200	3140	3160	81	91	30-157	1	30	
Styrene	ug/L	60.3	200	200	254	245	97	92	58-130	4	30	
Tetrachloroethene	ug/L	10.0 U	200	200	181	173	91	87	61-132	4	30	
Toluene	ug/L	154	200	200	347	340	97	93	59-139	2	30	
trans-1,2-Dichloroethene	ug/L	10.0 U	200	200	177	176	88	88	60-124	0	30	
trans-1,3-Dichloropropene	ug/L	10.0 U	200	200	161	160	80	80	48-121	0	30	
trans-1,4-Dichloro-2-butene	ug/L	50.0 U	200	200	136	138	68	69	10-111	1	30	
Trichloroethene	ug/L	10.0 U	200	200	172	173	86	86	63-128	1	30	
Trichlorofluoromethane	ug/L	10.0 U	200	200	216	233	108	116	70-152	8	30	
Vinyl acetate	ug/L	10.0 U	200	200	142	151	71	75	23-102	6	30	
Vinyl chloride	ug/L	10.0 U	200	200	179	194	90	97	67-141	8	30	
Xylene (Total)	ug/L	250	600	600	808	795	93	91	63-135	2	30	
1,2-Dichloroethane-d4 (S)	%.						102	104	70-130			
4-Bromofluorobenzene (S)	%.						101	98	70-130			
Dibromofluoromethane (S)	%.						100	102	70-130			
Toluene-d8 (S)	%.						97	97	70-130			

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QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30362094

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30362094

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30362094001	**Trip Blank**	EPA 8260B	396399		
30362094002	**CO60-PZP001**	EPA 8260B	396191		
30362094003	**CO59-PZP002**	EPA 8260B	396399		
30362094004	**CO23-PZM008**	EPA 8260B	396191		
30362094005	**CO24-PZM007**	EPA 8260B	396191		
30362094006	**CO43-PZM048**	EPA 8260B	396191		
30362094007	**CO44-PZM048**	EPA 8260B	396191		
30362094008	**CO45-PZM047**	EPA 8260B	396191		
30362094009	**CO46-PZM047**	EPA 8260B	396191		
30362094010	**CO47-PZM046**	EPA 8260B	396399		
30362094011	**CO48-PZM044**	EPA 8260B	396399		

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www.pacelabs.com

WO# : 30362094

30362094

Section A — Client Information:
EnviroAnalytics Group
1600 Sparrows Point Blvd, Suite B2
Sparrows Point, MD 21219
jcalenda@enviroanalyticsgroup.com
314-620-3056 | Fax:
Due Date/TAT: 5 Day

Section B — Required Project Information:
Report To: James Calenda
Copy To: Stewart Kabis
Purchase Order No.: EAG-SPT-6989
Project Name: COA IM GW Sampling
Project Number:

Section C — Invoice Information:
Attention: Laura Sargent
Company Name: EnviroAnalytics Group
Address: 1650 Des Peres Road, Suite 303 St. Louis, MO 63131
Pace Quote Reference:
Pace Project Manager: Samantha Bayura
Pace Profile #:

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER
Site Location STATE: MD

Section D — Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Analysis Test: VOC + NAPH by 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
Trip Blank	WT				05/07	2020		2				2					X			001
C060-PZP001		G				0925		3				3					X			002
C059-PZP002						1030		3				3					X			003
C023-PZM008						1110		3				3					X			004
C024-PZM007						1200		3				3					X			005
C043-PZM048						1230		3				3					X			006
C049-PZM048						1250		3				3					X			007
C045-PZM047						1320		3				3					X			008
C046-PZM047						1350		3				3					X			009
C047-PZM046						1420		3				3					X			010
C048-PZM044					V	1450		3				3					X			011
								32												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
		5/7/20	1530	GMB/PACE	5/7/20	1530				
	GMB/PACE	5/7/20	1715	RDS PACE	5-7-20	1815		Y		
	RDS PACE	5-7-20	2215	Maurice L Clancy	5/7/20	2215	1.9	Y	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Leandra M Glymac
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 05/07/2020

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Envirophotonics Group Project # _____

Label MLC
LIMS Login MLC

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____

Tracking #: N/A

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Thermometer Used 10 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 2.2 °C Correction Factor: .3 °C Final Temp: 1.9 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# N/A	Date and Initials of person examining contents MLC 5/7/2020
Chain of Custody Present:	✓			1.	
Chain of Custody Filled Out:	✓			2.	
Chain of Custody Relinquished:	✓			3.	
Sampler Name & Signature on COC:	✓			4.	
Sample Labels match COC:	✓			5.	
-Includes date/time/ID Matrix: WT					
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):		✓		7.	
Rush Turn Around Time Requested:	✓			8.	
Sufficient Volume:	✓			9.	
Correct Containers Used:	✓			10.	
-Pace Containers Used:	✓				
Containers Intact:	✓			11.	
Orthophosphate field filtered			✓	12.	
Hex Cr Aqueous sample field filtered			✓	13.	
Organic Samples checked for dechlorination:			✓	14.	
Filtered volume received for Dissolved tests			✓	15.	
All containers have been checked for preservation. exceptions: (VOA) coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix		✓		16.	
All containers meet method preservation requirements.	✓			Initial when completed MLC	Date/time of preservation
				Lot # of added preservative	
Headspace in VOA Vials (>6mm):		✓		17.	
Trip Blank Present:	✓			18.	
Trip Blank Custody Seals Present	✓				
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed:	Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

May 18, 2020

Mr. James Calenda
EnviroAnalytics Group, LLC
1600 Sparrows Point Blvd
Suite B2
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30362374

Dear Mr. Calenda:

Enclosed are the analytical results for sample(s) received by the laboratory on May 08, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30362374

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30362374001	**Trip Blank**	Water	05/08/20 00:01	05/08/20 22:15
30362374002	**0061-PZM007**	Water	05/08/20 10:00	05/08/20 22:15
30362374003	**0062-PZM007**	Water	05/08/20 10:15	05/08/20 22:15
30362374004	**0063-PZM007**	Water	05/08/20 10:30	05/08/20 22:15
30362374005	**0064-PZM006**	Water	05/08/20 10:45	05/08/20 22:15
30362374006	**0065-PZM005**	Water	05/08/20 11:00	05/08/20 22:15
30362374007	**0066-PZM005**	Water	05/08/20 11:15	05/08/20 22:15
30362374008	**0067-PZM006**	Water	05/08/20 13:00	05/08/20 22:15
30362374009	**0068-PZM005**	Water	05/08/20 13:15	05/08/20 22:15
30362374010	**0069-PZM005**	Water	05/08/20 13:30	05/08/20 22:15
30362374011	**0070-PZM005**	Water	05/08/20 13:45	05/08/20 22:15
30362374012	**0071-PZM006**	Water	05/08/20 14:00	05/08/20 22:15
30362374013	**0072-PZM005**	Water	05/08/20 14:15	05/08/20 22:15

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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30362374

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30362374001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30362374002	**0061-PZM007**	EPA 8260B	LEL	53	PASI-PA
30362374003	**0062-PZM007**	EPA 8260B	LEL	53	PASI-PA
30362374004	**0063-PZM007**	EPA 8260B	LEL	53	PASI-PA
30362374005	**0064-PZM006**	EPA 8260B	LEL	53	PASI-PA
30362374006	**0065-PZM005**	EPA 8260B	LEL	53	PASI-PA
30362374007	**0066-PZM005**	EPA 8260B	LEL	53	PASI-PA
30362374008	**0067-PZM006**	EPA 8260B	LEL	53	PASI-PA
30362374009	**0068-PZM005**	EPA 8260B	LEL	53	PASI-PA
30362374010	**0069-PZM005**	EPA 8260B	LEL	53	PASI-PA
30362374011	**0070-PZM005**	EPA 8260B	LEL	53	PASI-PA
30362374012	**0071-PZM006**	EPA 8260B	LEL	53	PASI-PA
30362374013	**0072-PZM005**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: Trip Blank **Lab ID: 30362374001** Collected: 05/08/20 00:01 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/14/20 13:18	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 13:18	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/14/20 13:18	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 13:18	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/14/20 13:18	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/14/20 13:18	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/14/20 13:18	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/14/20 13:18	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/14/20 13:18	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 13:18	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 13:18	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/14/20 13:18	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/14/20 13:18	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/14/20 13:18	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		05/14/20 13:18	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/14/20 13:18	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		05/14/20 13:18	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/14/20 13:18	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		05/14/20 13:18	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/14/20 13:18	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/14/20 13:18	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/14/20 13:18	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/14/20 13:18	74-83-9	CL
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 13:18	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/14/20 13:18	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/14/20 13:18	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/14/20 13:18	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/14/20 13:18	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/14/20 13:18	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/14/20 13:18	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/14/20 13:18	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		05/14/20 13:18	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/14/20 13:18	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/14/20 13:18	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/14/20 13:18	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		05/14/20 13:18	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 13:18	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/14/20 13:18	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 13:18	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 13:18	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/14/20 13:18	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/14/20 13:18	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 13:18	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		05/14/20 13:18	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: Trip Blank **Lab ID: 30362374001** Collected: 05/08/20 00:01 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 13:18	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 13:18	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/14/20 13:18	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 13:18	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/14/20 13:18	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	70-130		1		05/14/20 13:18	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%.	70-130		1		05/14/20 13:18	17060-07-0	
Toluene-d8 (S)	91	%.	70-130		1		05/14/20 13:18	2037-26-5	
Dibromofluoromethane (S)	103	%.	70-130		1		05/14/20 13:18	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0061-PZM007 **Lab ID: 30362374002** Collected: 05/08/20 10:00 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/14/20 14:34	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 14:34	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/14/20 14:34	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 14:34	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/14/20 14:34	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/14/20 14:34	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/14/20 14:34	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/14/20 14:34	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/14/20 14:34	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 14:34	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 14:34	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/14/20 14:34	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/14/20 14:34	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/14/20 14:34	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		05/14/20 14:34	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/14/20 14:34	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		05/14/20 14:34	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/14/20 14:34	107-13-1	
Benzene	**398**	ug/L	1.0	0.34	1		05/14/20 14:34	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/14/20 14:34	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/14/20 14:34	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/14/20 14:34	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/14/20 14:34	74-83-9	CL
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 14:34	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/14/20 14:34	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/14/20 14:34	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/14/20 14:34	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/14/20 14:34	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/14/20 14:34	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/14/20 14:34	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/14/20 14:34	74-95-3	
Ethylbenzene	**18.6**	ug/L	1.0	0.40	1		05/14/20 14:34	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/14/20 14:34	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/14/20 14:34	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/14/20 14:34	75-09-2	
Naphthalene	**3100**	ug/L	20.0	8.2	10		05/14/20 14:59	91-20-3	
Styrene	**37.4**	ug/L	1.0	0.33	1		05/14/20 14:34	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/14/20 14:34	127-18-4	
Toluene	**172**	ug/L	1.0	0.32	1		05/14/20 14:34	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 14:34	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/14/20 14:34	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/14/20 14:34	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 14:34	75-01-4	
Xylene (Total)	**303**	ug/L	3.0	1.4	1		05/14/20 14:34	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0061-PZM007 **Lab ID: 30362374002** Collected: 05/08/20 10:00 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 14:34	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 14:34	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/14/20 14:34	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 14:34	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/14/20 14:34	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%.	70-130		1		05/14/20 14:34	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%.	70-130		1		05/14/20 14:34	17060-07-0	
Toluene-d8 (S)	94	%.	70-130		1		05/14/20 14:34	2037-26-5	
Dibromofluoromethane (S)	99	%.	70-130		1		05/14/20 14:34	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0062-PZM007 **Lab ID: 30362374003** Collected: 05/08/20 10:15 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/14/20 15:24	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 15:24	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/14/20 15:24	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 15:24	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/14/20 15:24	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/14/20 15:24	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/14/20 15:24	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/14/20 15:24	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/14/20 15:24	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 15:24	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 15:24	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/14/20 15:24	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/14/20 15:24	106-46-7	
2-Butanone (MEK)	**83.6**	ug/L	10.0	1.5	1		05/14/20 15:24	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		05/14/20 15:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/14/20 15:24	108-10-1	
Acetone	**72.6**	ug/L	10.0	5.6	1		05/14/20 15:24	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/14/20 15:24	107-13-1	
Benzene	**0.81J**	ug/L	1.0	0.34	1		05/14/20 15:24	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/14/20 15:24	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/14/20 15:24	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/14/20 15:24	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/14/20 15:24	74-83-9	CL
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 15:24	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/14/20 15:24	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/14/20 15:24	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/14/20 15:24	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/14/20 15:24	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/14/20 15:24	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/14/20 15:24	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/14/20 15:24	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		05/14/20 15:24	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/14/20 15:24	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/14/20 15:24	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/14/20 15:24	75-09-2	
Naphthalene	**12.5**	ug/L	2.0	0.82	1		05/14/20 15:24	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 15:24	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/14/20 15:24	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 15:24	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 15:24	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/14/20 15:24	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/14/20 15:24	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 15:24	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		05/14/20 15:24	1330-20-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0062-PZM007 **Lab ID: 30362374003** Collected: 05/08/20 10:15 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 15:24	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 15:24	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/14/20 15:24	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 15:24	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/14/20 15:24	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%.	70-130		1		05/14/20 15:24	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%.	70-130		1		05/14/20 15:24	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		1		05/14/20 15:24	2037-26-5	
Dibromofluoromethane (S)	100	%.	70-130		1		05/14/20 15:24	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0063-PZM007 **Lab ID: 30362374004** Collected: 05/08/20 10:30 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/14/20 16:14	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/14/20 16:14	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/14/20 16:14	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/14/20 16:14	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/14/20 16:14	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/14/20 16:14	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/14/20 16:14	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/14/20 16:14	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/14/20 16:14	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/14/20 16:14	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/14/20 16:14	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 16:14	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/14/20 16:14	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/14/20 16:14	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/14/20 16:14	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/14/20 16:14	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		05/14/20 16:14	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/14/20 16:14	107-13-1	
Benzene	**381**	ug/L	5.0	1.7	5		05/14/20 16:14	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/14/20 16:14	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/14/20 16:14	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/14/20 16:14	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/14/20 16:14	74-83-9	CL
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/14/20 16:14	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/14/20 16:14	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/14/20 16:14	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/14/20 16:14	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/14/20 16:14	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/14/20 16:14	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/14/20 16:14	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/14/20 16:14	74-95-3	
Ethylbenzene	**18.7**	ug/L	5.0	2.0	5		05/14/20 16:14	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/14/20 16:14	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/14/20 16:14	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/14/20 16:14	75-09-2	
Naphthalene	**5210**	ug/L	100	41.0	50		05/14/20 16:39	91-20-3	
Styrene	**89.5**	ug/L	5.0	1.6	5		05/14/20 16:14	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/14/20 16:14	127-18-4	
Toluene	**230**	ug/L	5.0	1.6	5		05/14/20 16:14	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/14/20 16:14	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/14/20 16:14	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/14/20 16:14	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 16:14	75-01-4	
Xylene (Total)	**382**	ug/L	15.0	6.8	5		05/14/20 16:14	1330-20-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0063-PZM007 **Lab ID: 30362374004** Collected: 05/08/20 10:30 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/14/20 16:14	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 16:14	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 16:14	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/14/20 16:14	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/14/20 16:14	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%.	70-130		5		05/14/20 16:14	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%.	70-130		5		05/14/20 16:14	17060-07-0	
Toluene-d8 (S)	96	%.	70-130		5		05/14/20 16:14	2037-26-5	
Dibromofluoromethane (S)	101	%.	70-130		5		05/14/20 16:14	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0064-PZM006 **Lab ID: 30362374005** Collected: 05/08/20 10:45 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/14/20 17:04	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/14/20 17:04	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/14/20 17:04	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/14/20 17:04	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/14/20 17:04	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/14/20 17:04	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/14/20 17:04	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/14/20 17:04	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/14/20 17:04	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/14/20 17:04	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/14/20 17:04	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 17:04	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/14/20 17:04	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/14/20 17:04	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/14/20 17:04	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/14/20 17:04	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		05/14/20 17:04	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/14/20 17:04	107-13-1	
Benzene	**279**	ug/L	5.0	1.7	5		05/14/20 17:04	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/14/20 17:04	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/14/20 17:04	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/14/20 17:04	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/14/20 17:04	74-83-9	CL
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/14/20 17:04	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/14/20 17:04	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/14/20 17:04	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/14/20 17:04	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/14/20 17:04	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/14/20 17:04	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/14/20 17:04	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/14/20 17:04	74-95-3	
Ethylbenzene	**13.4**	ug/L	5.0	2.0	5		05/14/20 17:04	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/14/20 17:04	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/14/20 17:04	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/14/20 17:04	75-09-2	
Naphthalene	**3960**	ug/L	100	41.0	50		05/14/20 17:29	91-20-3	
Styrene	**57.4**	ug/L	5.0	1.6	5		05/14/20 17:04	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/14/20 17:04	127-18-4	
Toluene	**147**	ug/L	5.0	1.6	5		05/14/20 17:04	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/14/20 17:04	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/14/20 17:04	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/14/20 17:04	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 17:04	75-01-4	
Xylene (Total)	**274**	ug/L	15.0	6.8	5		05/14/20 17:04	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0064-PZM006 **Lab ID: 30362374005** Collected: 05/08/20 10:45 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/14/20 17:04	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 17:04	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 17:04	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/14/20 17:04	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/14/20 17:04	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%.	70-130		5		05/14/20 17:04	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%.	70-130		5		05/14/20 17:04	17060-07-0	
Toluene-d8 (S)	92	%.	70-130		5		05/14/20 17:04	2037-26-5	
Dibromofluoromethane (S)	100	%.	70-130		5		05/14/20 17:04	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0065-PZM005 **Lab ID: 30362374006** Collected: 05/08/20 11:00 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/14/20 17:54	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/14/20 17:54	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/14/20 17:54	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/14/20 17:54	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/14/20 17:54	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/14/20 17:54	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/14/20 17:54	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/14/20 17:54	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/14/20 17:54	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/14/20 17:54	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/14/20 17:54	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 17:54	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/14/20 17:54	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/14/20 17:54	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/14/20 17:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/14/20 17:54	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		05/14/20 17:54	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/14/20 17:54	107-13-1	
Benzene	**314**	ug/L	5.0	1.7	5		05/14/20 17:54	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/14/20 17:54	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/14/20 17:54	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/14/20 17:54	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/14/20 17:54	74-83-9	CL
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/14/20 17:54	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/14/20 17:54	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/14/20 17:54	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/14/20 17:54	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/14/20 17:54	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/14/20 17:54	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/14/20 17:54	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/14/20 17:54	74-95-3	
Ethylbenzene	**14.3**	ug/L	5.0	2.0	5		05/14/20 17:54	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/14/20 17:54	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/14/20 17:54	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/14/20 17:54	75-09-2	
Naphthalene	**4540**	ug/L	100	41.0	50		05/14/20 18:19	91-20-3	
Styrene	**79.2**	ug/L	5.0	1.6	5		05/14/20 17:54	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/14/20 17:54	127-18-4	
Toluene	**189**	ug/L	5.0	1.6	5		05/14/20 17:54	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/14/20 17:54	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/14/20 17:54	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/14/20 17:54	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 17:54	75-01-4	
Xylene (Total)	**306**	ug/L	15.0	6.8	5		05/14/20 17:54	1330-20-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0065-PZM005 **Lab ID: 30362374006** Collected: 05/08/20 11:00 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/14/20 17:54	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 17:54	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 17:54	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/14/20 17:54	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/14/20 17:54	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%.	70-130		5		05/14/20 17:54	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130		5		05/14/20 17:54	17060-07-0	
Toluene-d8 (S)	92	%.	70-130		5		05/14/20 17:54	2037-26-5	
Dibromofluoromethane (S)	103	%.	70-130		5		05/14/20 17:54	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0066-PZM005 **Lab ID: 30362374007** Collected: 05/08/20 11:15 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**10.0 U**	ug/L	10.0	5.5	10		05/14/20 14:09	630-20-6	
1,1,1-Trichloroethane	**10.0 U**	ug/L	10.0	3.8	10		05/14/20 14:09	71-55-6	
1,1,2,2-Tetrachloroethane	**10.0 U**	ug/L	10.0	4.7	10		05/14/20 14:09	79-34-5	
1,1,2-Trichloroethane	**10.0 U**	ug/L	10.0	3.3	10		05/14/20 14:09	79-00-5	
1,1-Dichloroethane	**10.0 U**	ug/L	10.0	2.4	10		05/14/20 14:09	75-34-3	
1,1-Dichloroethene	**10.0 U**	ug/L	10.0	2.4	10		05/14/20 14:09	75-35-4	
1,2,3-Trichloropropane	**10.0 U**	ug/L	10.0	5.8	10		05/14/20 14:09	96-18-4	
1,2-Dibromo-3-chloropropane	**50.0 U**	ug/L	50.0	5.5	10		05/14/20 14:09	96-12-8	
1,2-Dibromoethane (EDB)	**10.0 U**	ug/L	10.0	4.4	10		05/14/20 14:09	106-93-4	
1,2-Dichlorobenzene	**10.0 U**	ug/L	10.0	3.8	10		05/14/20 14:09	95-50-1	
1,2-Dichloroethane	**10.0 U**	ug/L	10.0	3.3	10		05/14/20 14:09	107-06-2	
1,2-Dichloropropane	**10.0 U**	ug/L	10.0	2.8	10		05/14/20 14:09	78-87-5	
1,4-Dichlorobenzene	**10.0 U**	ug/L	10.0	4.8	10		05/14/20 14:09	106-46-7	
2-Butanone (MEK)	**100 U**	ug/L	100	15.2	10		05/14/20 14:09	78-93-3	
2-Hexanone	**100 U**	ug/L	100	5.8	10		05/14/20 14:09	591-78-6	
4-Methyl-2-pentanone (MIBK)	**100 U**	ug/L	100	4.2	10		05/14/20 14:09	108-10-1	
Acetone	**100 U**	ug/L	100	56.1	10		05/14/20 14:09	67-64-1	
Acrylonitrile	**40.0 U**	ug/L	40.0	5.5	10		05/14/20 14:09	107-13-1	
Benzene	**281**	ug/L	10.0	3.4	10		05/14/20 14:09	71-43-2	
Bromochloromethane	**10.0 U**	ug/L	10.0	4.8	10		05/14/20 14:09	74-97-5	
Bromodichloromethane	**10.0 U**	ug/L	10.0	3.5	10		05/14/20 14:09	75-27-4	
Bromoform	**10.0 U**	ug/L	10.0	5.6	10		05/14/20 14:09	75-25-2	
Bromomethane	**10.0 U**	ug/L	10.0	7.3	10		05/14/20 14:09	74-83-9	CL,R1
Carbon disulfide	**10.0 U**	ug/L	10.0	3.2	10		05/14/20 14:09	75-15-0	
Carbon tetrachloride	**10.0 U**	ug/L	10.0	4.4	10		05/14/20 14:09	56-23-5	
Chlorobenzene	**10.0 U**	ug/L	10.0	2.6	10		05/14/20 14:09	108-90-7	
Chloroethane	**10.0 U**	ug/L	10.0	6.4	10		05/14/20 14:09	75-00-3	
Chloroform	**10.0 U**	ug/L	10.0	3.9	10		05/14/20 14:09	67-66-3	
Chloromethane	**10.0 U**	ug/L	10.0	4.0	10		05/14/20 14:09	74-87-3	
Dibromochloromethane	**10.0 U**	ug/L	10.0	4.3	10		05/14/20 14:09	124-48-1	
Dibromomethane	**10.0 U**	ug/L	10.0	3.4	10		05/14/20 14:09	74-95-3	
Ethylbenzene	**11.4**	ug/L	10.0	4.0	10		05/14/20 14:09	100-41-4	
Iodomethane	**500 U**	ug/L	500	5.2	10		05/14/20 14:09	74-88-4	IH
Methyl-tert-butyl ether	**10.0 U**	ug/L	10.0	2.5	10		05/14/20 14:09	1634-04-4	
Methylene Chloride	**10.0 U**	ug/L	10.0	6.4	10		05/14/20 14:09	75-09-2	
Naphthalene	**2980**	ug/L	20.0	8.2	10		05/14/20 14:09	91-20-3	
Styrene	**60.3**	ug/L	10.0	3.3	10		05/14/20 14:09	100-42-5	
Tetrachloroethene	**10.0 U**	ug/L	10.0	3.9	10		05/14/20 14:09	127-18-4	
Toluene	**154**	ug/L	10.0	3.2	10		05/14/20 14:09	108-88-3	
Trichloroethene	**10.0 U**	ug/L	10.0	2.9	10		05/14/20 14:09	79-01-6	
Trichlorofluoromethane	**10.0 U**	ug/L	10.0	5.1	10		05/14/20 14:09	75-69-4	
Vinyl acetate	**10.0 U**	ug/L	10.0	5.7	10		05/14/20 14:09	108-05-4	
Vinyl chloride	**10.0 U**	ug/L	10.0	2.9	10		05/14/20 14:09	75-01-4	
Xylene (Total)	**250**	ug/L	30.0	13.5	10		05/14/20 14:09	1330-20-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0066-PZM005 **Lab ID: 30362374007** Collected: 05/08/20 11:15 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**10.0 U**	ug/L	10.0	3.8	10		05/14/20 14:09	156-59-2	
cis-1,3-Dichloropropene	**10.0 U**	ug/L	10.0	2.9	10		05/14/20 14:09	10061-01-5	
trans-1,2-Dichloroethene	**10.0 U**	ug/L	10.0	2.8	10		05/14/20 14:09	156-60-5	
trans-1,3-Dichloropropene	**10.0 U**	ug/L	10.0	3.2	10		05/14/20 14:09	10061-02-6	
trans-1,4-Dichloro-2-butene	**50.0 U**	ug/L	50.0	5.8	10		05/14/20 14:09	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	70-130		10		05/14/20 14:09	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%.	70-130		10		05/14/20 14:09	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		10		05/14/20 14:09	2037-26-5	
Dibromofluoromethane (S)	104	%.	70-130		10		05/14/20 14:09	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0067-PZM006 **Lab ID: 30362374008** Collected: 05/08/20 13:00 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/14/20 17:16	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 17:16	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/14/20 17:16	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 17:16	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/14/20 17:16	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/14/20 17:16	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/14/20 17:16	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/14/20 17:16	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/14/20 17:16	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 17:16	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 17:16	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/14/20 17:16	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/14/20 17:16	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/14/20 17:16	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		05/14/20 17:16	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/14/20 17:16	108-10-1	
Acetone	**7.0J**	ug/L	10.0	5.6	1		05/14/20 17:16	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/14/20 17:16	107-13-1	
Benzene	**275**	ug/L	1.0	0.34	1		05/14/20 17:16	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/14/20 17:16	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/14/20 17:16	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/14/20 17:16	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/14/20 17:16	74-83-9	CL
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 17:16	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/14/20 17:16	56-23-5	
Chlorobenzene	**0.62J**	ug/L	1.0	0.26	1		05/14/20 17:16	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/14/20 17:16	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/14/20 17:16	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/14/20 17:16	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/14/20 17:16	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/14/20 17:16	74-95-3	
Ethylbenzene	**11.5**	ug/L	1.0	0.40	1		05/14/20 17:16	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/14/20 17:16	74-88-4	CL,IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/14/20 17:16	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/14/20 17:16	75-09-2	
Naphthalene	**2320**	ug/L	20.0	8.2	10		05/14/20 17:41	91-20-3	
Styrene	**71.5**	ug/L	1.0	0.33	1		05/14/20 17:16	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/14/20 17:16	127-18-4	
Toluene	**168**	ug/L	1.0	0.32	1		05/14/20 17:16	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 17:16	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/14/20 17:16	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/14/20 17:16	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 17:16	75-01-4	
Xylene (Total)	**268**	ug/L	3.0	1.4	1		05/14/20 17:16	1330-20-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0067-PZM006 **Lab ID: 30362374008** Collected: 05/08/20 13:00 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 17:16	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 17:16	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/14/20 17:16	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 17:16	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/14/20 17:16	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		05/14/20 17:16	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%.	70-130		1		05/14/20 17:16	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		1		05/14/20 17:16	2037-26-5	
Dibromofluoromethane (S)	98	%.	70-130		1		05/14/20 17:16	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0068-PZM005 **Lab ID: 30362374009** Collected: 05/08/20 13:15 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/14/20 18:56	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 18:56	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/14/20 18:56	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 18:56	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/14/20 18:56	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/14/20 18:56	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/14/20 18:56	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/14/20 18:56	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/14/20 18:56	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 18:56	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 18:56	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/14/20 18:56	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/14/20 18:56	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/14/20 18:56	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		05/14/20 18:56	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/14/20 18:56	108-10-1	
Acetone	**6.2J**	ug/L	10.0	5.6	1		05/14/20 18:56	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/14/20 18:56	107-13-1	
Benzene	**352**	ug/L	1.0	0.34	1		05/14/20 18:56	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/14/20 18:56	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/14/20 18:56	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/14/20 18:56	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/14/20 18:56	74-83-9	CL
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 18:56	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/14/20 18:56	56-23-5	
Chlorobenzene	**0.79J**	ug/L	1.0	0.26	1		05/14/20 18:56	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/14/20 18:56	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/14/20 18:56	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/14/20 18:56	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/14/20 18:56	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/14/20 18:56	74-95-3	
Ethylbenzene	**15.1**	ug/L	1.0	0.40	1		05/14/20 18:56	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/14/20 18:56	74-88-4	CL,IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/14/20 18:56	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/14/20 18:56	75-09-2	
Naphthalene	**4510**	ug/L	40.0	16.4	20		05/14/20 19:21	91-20-3	
Styrene	**96.0**	ug/L	1.0	0.33	1		05/14/20 18:56	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/14/20 18:56	127-18-4	
Toluene	**224**	ug/L	1.0	0.32	1		05/14/20 18:56	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 18:56	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/14/20 18:56	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/14/20 18:56	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 18:56	75-01-4	
Xylene (Total)	**342**	ug/L	3.0	1.4	1		05/14/20 18:56	1330-20-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0068-PZM005 **Lab ID: 30362374009** Collected: 05/08/20 13:15 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 18:56	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 18:56	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/14/20 18:56	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 18:56	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/14/20 18:56	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		1		05/14/20 18:56	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%.	70-130		1		05/14/20 18:56	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		1		05/14/20 18:56	2037-26-5	
Dibromofluoromethane (S)	93	%.	70-130		1		05/14/20 18:56	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0069-PZM005 **Lab ID: 30362374010** Collected: 05/08/20 13:30 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/14/20 18:06	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 18:06	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/14/20 18:06	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 18:06	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/14/20 18:06	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/14/20 18:06	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/14/20 18:06	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/14/20 18:06	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/14/20 18:06	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 18:06	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 18:06	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/14/20 18:06	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/14/20 18:06	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/14/20 18:06	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		05/14/20 18:06	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/14/20 18:06	108-10-1	
Acetone	**7.6J**	ug/L	10.0	5.6	1		05/14/20 18:06	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/14/20 18:06	107-13-1	
Benzene	**289**	ug/L	1.0	0.34	1		05/14/20 18:06	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/14/20 18:06	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/14/20 18:06	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/14/20 18:06	75-25-2	
Bromomethane	**0.77J**	ug/L	1.0	0.73	1		05/14/20 18:06	74-83-9	CL
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 18:06	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/14/20 18:06	56-23-5	
Chlorobenzene	**0.55J**	ug/L	1.0	0.26	1		05/14/20 18:06	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/14/20 18:06	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/14/20 18:06	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/14/20 18:06	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/14/20 18:06	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/14/20 18:06	74-95-3	
Ethylbenzene	**11.3**	ug/L	1.0	0.40	1		05/14/20 18:06	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/14/20 18:06	74-88-4	CL,IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/14/20 18:06	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/14/20 18:06	75-09-2	
Naphthalene	**1170**	ug/L	20.0	8.2	10		05/14/20 18:31	91-20-3	
Styrene	**62.3**	ug/L	1.0	0.33	1		05/14/20 18:06	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/14/20 18:06	127-18-4	
Toluene	**148**	ug/L	1.0	0.32	1		05/14/20 18:06	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 18:06	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/14/20 18:06	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/14/20 18:06	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 18:06	75-01-4	
Xylene (Total)	**250**	ug/L	3.0	1.4	1		05/14/20 18:06	1330-20-7	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0069-PZM005 **Lab ID: 30362374010** Collected: 05/08/20 13:30 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 18:06	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 18:06	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/14/20 18:06	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 18:06	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/14/20 18:06	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	70-130		1		05/14/20 18:06	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		1		05/14/20 18:06	17060-07-0	
Toluene-d8 (S)	102	%.	70-130		1		05/14/20 18:06	2037-26-5	
Dibromofluoromethane (S)	97	%.	70-130		1		05/14/20 18:06	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0070-PZM005 **Lab ID: 30362374011** Collected: 05/08/20 13:45 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		05/14/20 13:56	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 13:56	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		05/14/20 13:56	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 13:56	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		05/14/20 13:56	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		05/14/20 13:56	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		05/14/20 13:56	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		05/14/20 13:56	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		05/14/20 13:56	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 13:56	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		05/14/20 13:56	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		05/14/20 13:56	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		05/14/20 13:56	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		05/14/20 13:56	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		05/14/20 13:56	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		05/14/20 13:56	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		05/14/20 13:56	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		05/14/20 13:56	107-13-1	
Benzene	**82.7**	ug/L	1.0	0.34	1		05/14/20 13:56	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		05/14/20 13:56	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		05/14/20 13:56	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		05/14/20 13:56	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		05/14/20 13:56	74-83-9	CL
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 13:56	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		05/14/20 13:56	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		05/14/20 13:56	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		05/14/20 13:56	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		05/14/20 13:56	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		05/14/20 13:56	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		05/14/20 13:56	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		05/14/20 13:56	74-95-3	
Ethylbenzene	**4.3**	ug/L	1.0	0.40	1		05/14/20 13:56	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		05/14/20 13:56	74-88-4	CL,IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		05/14/20 13:56	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		05/14/20 13:56	75-09-2	
Naphthalene	**470**	ug/L	10.0	4.1	5		05/14/20 21:26	91-20-3	
Styrene	**15.7**	ug/L	1.0	0.33	1		05/14/20 13:56	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		05/14/20 13:56	127-18-4	
Toluene	**30.6**	ug/L	1.0	0.32	1		05/14/20 13:56	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 13:56	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		05/14/20 13:56	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		05/14/20 13:56	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 13:56	75-01-4	
Xylene (Total)	**81.0**	ug/L	3.0	1.4	1		05/14/20 13:56	1330-20-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0070-PZM005 **Lab ID: 30362374011** Collected: 05/08/20 13:45 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		05/14/20 13:56	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		05/14/20 13:56	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		05/14/20 13:56	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		05/14/20 13:56	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		05/14/20 13:56	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%.	70-130		1		05/14/20 13:56	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%.	70-130		1		05/14/20 13:56	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		05/14/20 13:56	2037-26-5	
Dibromofluoromethane (S)	102	%.	70-130		1		05/14/20 13:56	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0071-PZM006 **Lab ID: 30362374012** Collected: 05/08/20 14:00 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		05/14/20 19:46	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		05/14/20 19:46	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		05/14/20 19:46	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		05/14/20 19:46	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		05/14/20 19:46	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		05/14/20 19:46	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		05/14/20 19:46	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		05/14/20 19:46	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		05/14/20 19:46	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		05/14/20 19:46	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		05/14/20 19:46	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 19:46	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		05/14/20 19:46	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		05/14/20 19:46	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		05/14/20 19:46	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		05/14/20 19:46	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		05/14/20 19:46	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		05/14/20 19:46	107-13-1	
Benzene	**304**	ug/L	5.0	1.7	5		05/14/20 19:46	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		05/14/20 19:46	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		05/14/20 19:46	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		05/14/20 19:46	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		05/14/20 19:46	74-83-9	CL
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		05/14/20 19:46	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		05/14/20 19:46	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		05/14/20 19:46	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		05/14/20 19:46	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		05/14/20 19:46	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		05/14/20 19:46	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		05/14/20 19:46	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		05/14/20 19:46	74-95-3	
Ethylbenzene	**10.1**	ug/L	5.0	2.0	5		05/14/20 19:46	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		05/14/20 19:46	74-88-4	CL,IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		05/14/20 19:46	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		05/14/20 19:46	75-09-2	
Naphthalene	**2470**	ug/L	100	41.0	50		05/14/20 20:11	91-20-3	
Styrene	**62.7**	ug/L	5.0	1.6	5		05/14/20 19:46	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		05/14/20 19:46	127-18-4	
Toluene	**136**	ug/L	5.0	1.6	5		05/14/20 19:46	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		05/14/20 19:46	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		05/14/20 19:46	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		05/14/20 19:46	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 19:46	75-01-4	
Xylene (Total)	**237**	ug/L	15.0	6.8	5		05/14/20 19:46	1330-20-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0071-PZM006 **Lab ID: 30362374012** Collected: 05/08/20 14:00 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		05/14/20 19:46	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 19:46	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		05/14/20 19:46	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		05/14/20 19:46	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		05/14/20 19:46	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%.	70-130		5		05/14/20 19:46	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%.	70-130		5		05/14/20 19:46	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		5		05/14/20 19:46	2037-26-5	
Dibromofluoromethane (S)	97	%.	70-130		5		05/14/20 19:46	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0072-PZM005 **Lab ID: 30362374013** Collected: 05/08/20 14:15 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**10.0 U**	ug/L	10.0	5.5	10		05/14/20 16:51	630-20-6	
1,1,1-Trichloroethane	**10.0 U**	ug/L	10.0	3.8	10		05/14/20 16:51	71-55-6	
1,1,2,2-Tetrachloroethane	**10.0 U**	ug/L	10.0	4.7	10		05/14/20 16:51	79-34-5	
1,1,2-Trichloroethane	**10.0 U**	ug/L	10.0	3.3	10		05/14/20 16:51	79-00-5	
1,1-Dichloroethane	**10.0 U**	ug/L	10.0	2.4	10		05/14/20 16:51	75-34-3	
1,1-Dichloroethene	**10.0 U**	ug/L	10.0	2.4	10		05/14/20 16:51	75-35-4	
1,2,3-Trichloropropane	**10.0 U**	ug/L	10.0	5.8	10		05/14/20 16:51	96-18-4	
1,2-Dibromo-3-chloropropane	**50.0 U**	ug/L	50.0	5.5	10		05/14/20 16:51	96-12-8	
1,2-Dibromoethane (EDB)	**10.0 U**	ug/L	10.0	4.4	10		05/14/20 16:51	106-93-4	
1,2-Dichlorobenzene	**10.0 U**	ug/L	10.0	3.8	10		05/14/20 16:51	95-50-1	
1,2-Dichloroethane	**10.0 U**	ug/L	10.0	3.3	10		05/14/20 16:51	107-06-2	
1,2-Dichloropropane	**10.0 U**	ug/L	10.0	2.8	10		05/14/20 16:51	78-87-5	
1,4-Dichlorobenzene	**10.0 U**	ug/L	10.0	4.8	10		05/14/20 16:51	106-46-7	
2-Butanone (MEK)	**100 U**	ug/L	100	15.2	10		05/14/20 16:51	78-93-3	
2-Hexanone	**100 U**	ug/L	100	5.8	10		05/14/20 16:51	591-78-6	
4-Methyl-2-pentanone (MIBK)	**100 U**	ug/L	100	4.2	10		05/14/20 16:51	108-10-1	
Acetone	**100 U**	ug/L	100	56.1	10		05/14/20 16:51	67-64-1	
Acrylonitrile	**40.0 U**	ug/L	40.0	5.5	10		05/14/20 16:51	107-13-1	
Benzene	**310**	ug/L	10.0	3.4	10		05/14/20 16:51	71-43-2	
Bromochloromethane	**10.0 U**	ug/L	10.0	4.8	10		05/14/20 16:51	74-97-5	
Bromodichloromethane	**10.0 U**	ug/L	10.0	3.5	10		05/14/20 16:51	75-27-4	
Bromoform	**10.0 U**	ug/L	10.0	5.6	10		05/14/20 16:51	75-25-2	
Bromomethane	**10.0 U**	ug/L	10.0	7.3	10		05/14/20 16:51	74-83-9	CL
Carbon disulfide	**10.0 U**	ug/L	10.0	3.2	10		05/14/20 16:51	75-15-0	
Carbon tetrachloride	**10.0 U**	ug/L	10.0	4.4	10		05/14/20 16:51	56-23-5	
Chlorobenzene	**10.0 U**	ug/L	10.0	2.6	10		05/14/20 16:51	108-90-7	
Chloroethane	**10.0 U**	ug/L	10.0	6.4	10		05/14/20 16:51	75-00-3	
Chloroform	**10.0 U**	ug/L	10.0	3.9	10		05/14/20 16:51	67-66-3	
Chloromethane	**10.0 U**	ug/L	10.0	4.0	10		05/14/20 16:51	74-87-3	
Dibromochloromethane	**10.0 U**	ug/L	10.0	4.3	10		05/14/20 16:51	124-48-1	
Dibromomethane	**10.0 U**	ug/L	10.0	3.4	10		05/14/20 16:51	74-95-3	
Ethylbenzene	**11.1**	ug/L	10.0	4.0	10		05/14/20 16:51	100-41-4	
Iodomethane	**500 U**	ug/L	500	5.2	10		05/14/20 16:51	74-88-4	CL,IH, ML
Methyl-tert-butyl ether	**10.0 U**	ug/L	10.0	2.5	10		05/14/20 16:51	1634-04-4	
Methylene Chloride	**10.0 U**	ug/L	10.0	6.4	10		05/14/20 16:51	75-09-2	
Naphthalene	**2910**	ug/L	20.0	8.2	10		05/14/20 16:51	91-20-3	
Styrene	**63.9**	ug/L	10.0	3.3	10		05/14/20 16:51	100-42-5	
Tetrachloroethene	**10.0 U**	ug/L	10.0	3.9	10		05/14/20 16:51	127-18-4	
Toluene	**140**	ug/L	10.0	3.2	10		05/14/20 16:51	108-88-3	
Trichloroethene	**10.0 U**	ug/L	10.0	2.9	10		05/14/20 16:51	79-01-6	
Trichlorofluoromethane	**10.0 U**	ug/L	10.0	5.1	10		05/14/20 16:51	75-69-4	
Vinyl acetate	**10.0 U**	ug/L	10.0	5.7	10		05/14/20 16:51	108-05-4	
Vinyl chloride	**10.0 U**	ug/L	10.0	2.9	10		05/14/20 16:51	75-01-4	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30362374

Sample: 0072-PZM005 **Lab ID: 30362374013** Collected: 05/08/20 14:15 Received: 05/08/20 22:15 Matrix: Water

Comments: • Samples in this workorder were received in the laboratory without an associated trip blank.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
Xylene (Total)	**251**	ug/L	30.0	13.5	10		05/14/20 16:51	1330-20-7	
cis-1,2-Dichloroethene	**10.0 U**	ug/L	10.0	3.8	10		05/14/20 16:51	156-59-2	
cis-1,3-Dichloropropene	**10.0 U**	ug/L	10.0	2.9	10		05/14/20 16:51	10061-01-5	
trans-1,2-Dichloroethene	**10.0 U**	ug/L	10.0	2.8	10		05/14/20 16:51	156-60-5	
trans-1,3-Dichloropropene	**10.0 U**	ug/L	10.0	3.2	10		05/14/20 16:51	10061-02-6	
trans-1,4-Dichloro-2-butene	**50.0 U**	ug/L	50.0	5.8	10		05/14/20 16:51	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		10		05/14/20 16:51	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%.	70-130		10		05/14/20 16:51	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		10		05/14/20 16:51	2037-26-5	
Dibromofluoromethane (S)	101	%.	70-130		10		05/14/20 16:51	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30362374

QC Batch: 396399 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30362374001, 30362374002, 30362374003, 30362374004, 30362374005, 30362374006, 30362374007

METHOD BLANK: 1919941 Matrix: Water
Associated Lab Samples: 30362374001, 30362374002, 30362374003, 30362374004, 30362374005, 30362374006, 30362374007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	05/14/20 12:28	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	05/14/20 12:28	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	05/14/20 12:28	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	05/14/20 12:28	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	05/14/20 12:28	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	05/14/20 12:28	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	05/14/20 12:28	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	05/14/20 12:28	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	05/14/20 12:28	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	05/14/20 12:28	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	05/14/20 12:28	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	05/14/20 12:28	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	05/14/20 12:28	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	05/14/20 12:28	
2-Hexanone	ug/L	10.0 U	10.0	0.58	05/14/20 12:28	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	05/14/20 12:28	
Acetone	ug/L	10.0 U	10.0	5.6	05/14/20 12:28	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	05/14/20 12:28	
Benzene	ug/L	1.0 U	1.0	0.34	05/14/20 12:28	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	05/14/20 12:28	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	05/14/20 12:28	
Bromoform	ug/L	1.0 U	1.0	0.56	05/14/20 12:28	
Bromomethane	ug/L	1.0 U	1.0	0.73	05/14/20 12:28	CL
Carbon disulfide	ug/L	1.0 U	1.0	0.32	05/14/20 12:28	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	05/14/20 12:28	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	05/14/20 12:28	
Chloroethane	ug/L	1.0 U	1.0	0.64	05/14/20 12:28	
Chloroform	ug/L	1.0 U	1.0	0.39	05/14/20 12:28	
Chloromethane	ug/L	1.0 U	1.0	0.40	05/14/20 12:28	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	05/14/20 12:28	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	05/14/20 12:28	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	05/14/20 12:28	
Dibromomethane	ug/L	1.0 U	1.0	0.34	05/14/20 12:28	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	05/14/20 12:28	
Iodomethane	ug/L	50.0 U	50.0	0.52	05/14/20 12:28	IH
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	05/14/20 12:28	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	05/14/20 12:28	
Naphthalene	ug/L	2.0 U	2.0	0.82	05/14/20 12:28	
Styrene	ug/L	1.0 U	1.0	0.33	05/14/20 12:28	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	05/14/20 12:28	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30362374

METHOD BLANK: 1919941 Matrix: Water
Associated Lab Samples: 30362374001, 30362374002, 30362374003, 30362374004, 30362374005, 30362374006, 30362374007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	05/14/20 12:28	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	05/14/20 12:28	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	05/14/20 12:28	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	05/14/20 12:28	
Trichloroethene	ug/L	1.0 U	1.0	0.29	05/14/20 12:28	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	05/14/20 12:28	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	05/14/20 12:28	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	05/14/20 12:28	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	05/14/20 12:28	
1,2-Dichloroethane-d4 (S)	%.	104	70-130		05/14/20 12:28	
4-Bromofluorobenzene (S)	%.	102	70-130		05/14/20 12:28	
Dibromofluoromethane (S)	%.	102	70-130		05/14/20 12:28	
Toluene-d8 (S)	%.	91	70-130		05/14/20 12:28	

LABORATORY CONTROL SAMPLE: 1919942

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.1	101	70-130	
1,1,1-Trichloroethane	ug/L	20	23.3	116	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.5	112	70-130	
1,1,2-Trichloroethane	ug/L	20	20.7	104	70-130	
1,1-Dichloroethane	ug/L	20	22.2	111	70-130	
1,1-Dichloroethene	ug/L	20	19.9	99	70-130	
1,2,3-Trichloropropane	ug/L	20	20.4	102	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	18.1	90	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	21.1	106	70-130	
1,2-Dichlorobenzene	ug/L	20	21.3	106	70-130	
1,2-Dichloroethane	ug/L	20	22.1	110	70-130	
1,2-Dichloropropane	ug/L	20	21.3	106	70-130	
1,4-Dichlorobenzene	ug/L	20	21.3	107	70-130	
2-Butanone (MEK)	ug/L	20	22.6	113	70-130	
2-Hexanone	ug/L	20	23.2	116	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	23.4	117	70-130	
Acetone	ug/L	20	21.2	106	67-173	
Acrylonitrile	ug/L	20	24.4	122	56-147	
Benzene	ug/L	20	22.3	111	70-130	
Bromochloromethane	ug/L	20	22.4	112	70-130	
Bromodichloromethane	ug/L	20	22.6	113	70-130	
Bromoform	ug/L	20	19.8	99	63-119	
Bromomethane	ug/L	20	8.0	40	24-159	CL
Carbon disulfide	ug/L	20	21.0	105	57-132	
Carbon tetrachloride	ug/L	20	21.3	106	70-130	
Chlorobenzene	ug/L	20	20.6	103	70-130	
Chloroethane	ug/L	20	26.1	130	62-145	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30362374

LABORATORY CONTROL SAMPLE: 1919942

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	20	20.7	103	70-130	
Chloromethane	ug/L	20	18.5	93	66-140	
cis-1,2-Dichloroethene	ug/L	20	21.5	108	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.1	105	70-130	
Dibromochloromethane	ug/L	20	20.5	102	70-130	
Dibromomethane	ug/L	20	19.0	95	70-130	
Ethylbenzene	ug/L	20	21.4	107	70-130	
Iodomethane	ug/L	20	9.9J	49	10-175	IH
Methyl-tert-butyl ether	ug/L	20	19.4	97	70-130	
Methylene Chloride	ug/L	20	22.2	111	70-130	
Naphthalene	ug/L	20	20.7	103	55-160	
Styrene	ug/L	20	21.7	108	70-130	
Tetrachloroethene	ug/L	20	20.3	102	70-130	
Toluene	ug/L	20	21.4	107	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.4	107	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.8	104	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	21.0	105	48-131	
Trichloroethene	ug/L	20	20.3	102	70-130	
Trichlorofluoromethane	ug/L	20	25.9	129	70-130	
Vinyl acetate	ug/L	20	17.8	89	33-128	
Vinyl chloride	ug/L	20	21.4	107	70-130	
Xylene (Total)	ug/L	60	64.0	107	70-130	
1,2-Dichloroethane-d4 (S)	%.			108	70-130	
4-Bromofluorobenzene (S)	%.			96	70-130	
Dibromofluoromethane (S)	%.			103	70-130	
Toluene-d8 (S)	%.			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1919943 1919944

Parameter	Units	30362374007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	10.0 U	200	200	163	161	81	81	59-117	1	30	
1,1,1-Trichloroethane	ug/L	10.0 U	200	200	197	195	98	98	55-146	1	30	
1,1,2,2-Tetrachloroethane	ug/L	10.0 U	200	200	191	187	95	94	55-118	2	30	
1,1,2-Trichloroethane	ug/L	10.0 U	200	200	184	178	92	89	61-122	3	30	
1,1-Dichloroethane	ug/L	10.0 U	200	200	188	181	94	90	59-130	4	30	
1,1-Dichloroethene	ug/L	10.0 U	200	200	174	174	87	87	52-119	0	30	
1,2,3-Trichloropropane	ug/L	10.0 U	200	200	185	176	92	88	59-117	5	30	
1,2-Dibromo-3-chloropropane	ug/L	50.0 U	200	200	154	145	77	73	32-112	6	30	
1,2-Dibromoethane (EDB)	ug/L	10.0 U	200	200	174	176	87	88	61-116	1	30	
1,2-Dichlorobenzene	ug/L	10.0 U	200	200	183	178	92	89	58-126	3	30	
1,2-Dichloroethane	ug/L	10.0 U	200	200	180	187	90	93	49-135	4	30	
1,2-Dichloropropane	ug/L	10.0 U	200	200	179	178	90	89	67-121	1	30	
1,4-Dichlorobenzene	ug/L	10.0 U	200	200	180	174	90	87	60-121	3	30	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30362374

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1919943 1919944

Parameter	Units	30362374007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	100 U	200	200	184	192	92	96	59-138	5	30	
2-Hexanone	ug/L	100 U	200	200	176	190	88	95	66-123	7	30	
4-Methyl-2-pentanone (MIBK)	ug/L	100 U	200	200	182	188	91	94	70-130	3	30	
Acetone	ug/L	100 U	200	200	190	198	81	86	57-140	4	30	
Acrylonitrile	ug/L	40.0 U	200	200	201	215	101	108	47-134	7	30	
Benzene	ug/L	281	200	200	471	471	95	95	50-149	0	30	
Bromochloromethane	ug/L	10.0 U	200	200	187	188	94	94	63-120	0	30	
Bromodichloromethane	ug/L	10.0 U	200	200	179	184	89	92	46-131	3	30	
Bromoform	ug/L	10.0 U	200	200	154	152	77	76	30-119	2	30	
Bromomethane	ug/L	10.0 U	200	200	22.8	41.2	11	21	10-163	57	30	CL,R1
Carbon disulfide	ug/L	10.0 U	200	200	166	174	83	87	41-116	5	30	
Carbon tetrachloride	ug/L	10.0 U	200	200	171	175	85	88	55-119	3	30	
Chlorobenzene	ug/L	10.0 U	200	200	180	180	90	90	66-124	0	30	
Chloroethane	ug/L	10.0 U	200	200	231	236	116	118	45-162	2	30	
Chloroform	ug/L	10.0 U	200	200	174	174	87	87	56-123	0	30	
Chloromethane	ug/L	10.0 U	200	200	135	162	67	81	49-150	18	30	
cis-1,2-Dichloroethene	ug/L	10.0 U	200	200	176	172	88	86	63-116	2	30	
cis-1,3-Dichloropropene	ug/L	10.0 U	200	200	167	164	84	82	46-119	2	30	
Dibromochloromethane	ug/L	10.0 U	200	200	164	162	82	81	42-120	1	30	
Dibromomethane	ug/L	10.0 U	200	200	162	163	81	81	55-117	0	30	
Ethylbenzene	ug/L	11.4	200	200	200	190	94	89	63-135	5	30	
Iodomethane	ug/L	500 U	200	200	28.4J	63.8J	14	32	10-175		30	IH
Methyl-tert-butyl ether	ug/L	10.0 U	200	200	161	170	80	85	53-123	6	30	
Methylene Chloride	ug/L	10.0 U	200	200	186	183	93	91	57-132	2	30	
Naphthalene	ug/L	2980	200	200	3140	3160	81	91	30-157	1	30	
Styrene	ug/L	60.3	200	200	254	245	97	92	58-130	4	30	
Tetrachloroethene	ug/L	10.0 U	200	200	181	173	91	87	61-132	4	30	
Toluene	ug/L	154	200	200	347	340	97	93	59-139	2	30	
trans-1,2-Dichloroethene	ug/L	10.0 U	200	200	177	176	88	88	60-124	0	30	
trans-1,3-Dichloropropene	ug/L	10.0 U	200	200	161	160	80	80	48-121	0	30	
trans-1,4-Dichloro-2-butene	ug/L	50.0 U	200	200	136	138	68	69	10-111	1	30	
Trichloroethene	ug/L	10.0 U	200	200	172	173	86	86	63-128	1	30	
Trichlorofluoromethane	ug/L	10.0 U	200	200	216	233	108	116	70-152	8	30	
Vinyl acetate	ug/L	10.0 U	200	200	142	151	71	75	23-102	6	30	
Vinyl chloride	ug/L	10.0 U	200	200	179	194	90	97	67-141	8	30	
Xylene (Total)	ug/L	250	600	600	808	795	93	91	63-135	2	30	
1,2-Dichloroethane-d4 (S)	%.						102	104	70-130			
4-Bromofluorobenzene (S)	%.						101	98	70-130			
Dibromofluoromethane (S)	%.						100	102	70-130			
Toluene-d8 (S)	%.						97	97	70-130			

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REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30362374

QC Batch: 396401 | Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B | Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30362374008, 30362374009, 30362374010, 30362374011, 30362374012, 30362374013

METHOD BLANK: 1919954 Matrix: Water
Associated Lab Samples: 30362374008, 30362374009, 30362374010, 30362374011, 30362374012, 30362374013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	05/14/20 12:41	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	05/14/20 12:41	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	05/14/20 12:41	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	05/14/20 12:41	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	05/14/20 12:41	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	05/14/20 12:41	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	05/14/20 12:41	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	05/14/20 12:41	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	05/14/20 12:41	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	05/14/20 12:41	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	05/14/20 12:41	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	05/14/20 12:41	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	05/14/20 12:41	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	05/14/20 12:41	
2-Hexanone	ug/L	10.0 U	10.0	0.58	05/14/20 12:41	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	05/14/20 12:41	
Acetone	ug/L	10.0 U	10.0	5.6	05/14/20 12:41	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	05/14/20 12:41	
Benzene	ug/L	1.0 U	1.0	0.34	05/14/20 12:41	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	05/14/20 12:41	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	05/14/20 12:41	
Bromoform	ug/L	1.0 U	1.0	0.56	05/14/20 12:41	
Bromomethane	ug/L	1.0 U	1.0	0.73	05/14/20 12:41	CL
Carbon disulfide	ug/L	1.0 U	1.0	0.32	05/14/20 12:41	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	05/14/20 12:41	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	05/14/20 12:41	
Chloroethane	ug/L	1.0 U	1.0	0.64	05/14/20 12:41	
Chloroform	ug/L	1.0 U	1.0	0.39	05/14/20 12:41	
Chloromethane	ug/L	1.0 U	1.0	0.40	05/14/20 12:41	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	05/14/20 12:41	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	05/14/20 12:41	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	05/14/20 12:41	
Dibromomethane	ug/L	1.0 U	1.0	0.34	05/14/20 12:41	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	05/14/20 12:41	
Iodomethane	ug/L	50.0 U	50.0	0.52	05/14/20 12:41	CL,IH
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	05/14/20 12:41	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	05/14/20 12:41	
Naphthalene	ug/L	2.0 U	2.0	0.82	05/14/20 12:41	
Styrene	ug/L	1.0 U	1.0	0.33	05/14/20 12:41	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	05/14/20 12:41	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30362374

METHOD BLANK: 1919954 Matrix: Water
Associated Lab Samples: 30362374008, 30362374009, 30362374010, 30362374011, 30362374012, 30362374013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	05/14/20 12:41	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	05/14/20 12:41	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	05/14/20 12:41	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	05/14/20 12:41	
Trichloroethene	ug/L	1.0 U	1.0	0.29	05/14/20 12:41	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	05/14/20 12:41	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	05/14/20 12:41	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	05/14/20 12:41	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	05/14/20 12:41	
1,2-Dichloroethane-d4 (S)	%.	107	70-130		05/14/20 12:41	
4-Bromofluorobenzene (S)	%.	101	70-130		05/14/20 12:41	
Dibromofluoromethane (S)	%.	102	70-130		05/14/20 12:41	
Toluene-d8 (S)	%.	100	70-130		05/14/20 12:41	

LABORATORY CONTROL SAMPLE: 1919955

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.6	93	70-130	
1,1,1-Trichloroethane	ug/L	20	22.3	112	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.2	111	70-130	
1,1,2-Trichloroethane	ug/L	20	20.6	103	70-130	
1,1-Dichloroethane	ug/L	20	20.8	104	70-130	
1,1-Dichloroethene	ug/L	20	20.5	102	70-130	
1,2,3-Trichloropropane	ug/L	20	21.5	107	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	18.5	93	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	20.5	102	70-130	
1,2-Dichlorobenzene	ug/L	20	21.0	105	70-130	
1,2-Dichloroethane	ug/L	20	21.1	105	70-130	
1,2-Dichloropropane	ug/L	20	20.9	105	70-130	
1,4-Dichlorobenzene	ug/L	20	19.9	99	70-130	
2-Butanone (MEK)	ug/L	20	18.8	94	70-130	
2-Hexanone	ug/L	20	23.1	115	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	23.2	116	70-130	
Acetone	ug/L	20	21.9	110	67-173	
Acrylonitrile	ug/L	20	23.2	116	56-147	
Benzene	ug/L	20	20.6	103	70-130	
Bromochloromethane	ug/L	20	18.8	94	70-130	
Bromodichloromethane	ug/L	20	21.1	106	70-130	
Bromoform	ug/L	20	18.6	93	63-119	
Bromomethane	ug/L	20	9.3	46	24-159	CL
Carbon disulfide	ug/L	20	20.1	100	57-132	
Carbon tetrachloride	ug/L	20	19.8	99	70-130	
Chlorobenzene	ug/L	20	20.3	102	70-130	
Chloroethane	ug/L	20	23.4	117	62-145	

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(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30362374

LABORATORY CONTROL SAMPLE: 1919955

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	20	20.0	100	70-130	
Chloromethane	ug/L	20	17.9	90	66-140	
cis-1,2-Dichloroethene	ug/L	20	19.9	99	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.6	98	70-130	
Dibromochloromethane	ug/L	20	18.9	94	70-130	
Dibromomethane	ug/L	20	18.3	91	70-130	
Ethylbenzene	ug/L	20	20.9	104	70-130	
Iodomethane	ug/L	20	7.0J	35	10-175	CL,IH
Methyl-tert-butyl ether	ug/L	20	19.0	95	70-130	
Methylene Chloride	ug/L	20	21.0	105	70-130	
Naphthalene	ug/L	20	18.7	94	55-160	
Styrene	ug/L	20	20.5	102	70-130	
Tetrachloroethene	ug/L	20	20.1	100	70-130	
Toluene	ug/L	20	20.4	102	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.2	101	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.5	97	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	23.9	119	48-131	
Trichloroethene	ug/L	20	19.7	98	70-130	
Trichlorofluoromethane	ug/L	20	24.3	121	70-130	
Vinyl acetate	ug/L	20	17.4	87	33-128	
Vinyl chloride	ug/L	20	20.1	100	70-130	
Xylene (Total)	ug/L	60	61.1	102	70-130	
1,2-Dichloroethane-d4 (S)	%.			107	70-130	
4-Bromofluorobenzene (S)	%.			101	70-130	
Dibromofluoromethane (S)	%.			104	70-130	
Toluene-d8 (S)	%.			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1919956 1919957

Parameter	Units	30362374013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	10.0 U	200	200	163	153	82	76	59-117	7	30	
1,1,1-Trichloroethane	ug/L	10.0 U	200	200	193	182	96	91	55-146	5	30	
1,1,2,2-Tetrachloroethane	ug/L	10.0 U	200	200	190	172	95	86	55-118	10	30	
1,1,2-Trichloroethane	ug/L	10.0 U	200	200	183	163	92	81	61-122	12	30	
1,1-Dichloroethane	ug/L	10.0 U	200	200	185	170	93	85	59-130	9	30	
1,1-Dichloroethene	ug/L	10.0 U	200	200	181	166	90	83	52-119	8	30	
1,2,3-Trichloropropane	ug/L	10.0 U	200	200	185	172	92	86	59-117	7	30	
1,2-Dibromo-3-chloropropane	ug/L	50.0 U	200	200	144	136	72	68	32-112	6	30	
1,2-Dibromoethane (EDB)	ug/L	10.0 U	200	200	173	164	87	82	61-116	6	30	
1,2-Dichlorobenzene	ug/L	10.0 U	200	200	182	166	91	83	58-126	9	30	
1,2-Dichloroethane	ug/L	10.0 U	200	200	176	169	88	85	49-135	4	30	
1,2-Dichloropropane	ug/L	10.0 U	200	200	183	170	92	85	67-121	7	30	
1,4-Dichlorobenzene	ug/L	10.0 U	200	200	179	159	90	79	60-121	12	30	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30362374

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1919956 1919957

Parameter	Units	30362374013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	100 U	200	200	172	137	86	68	59-138	23	30	
2-Hexanone	ug/L	100 U	200	200	196	166	98	83	66-123	17	30	
4-Methyl-2-pentanone (MIBK)	ug/L	100 U	200	200	196	163	98	81	70-130	18	30	
Acetone	ug/L	100 U	200	200	209	173	93	75	57-140	19	30	
Acrylonitrile	ug/L	40.0 U	200	200	216	172	108	86	47-134	23	30	
Benzene	ug/L	310	200	200	488	471	89	80	50-149	4	30	
Bromochloromethane	ug/L	10.0 U	200	200	164	163	82	82	63-120	1	30	
Bromodichloromethane	ug/L	10.0 U	200	200	175	164	88	82	46-131	6	30	
Bromoform	ug/L	10.0 U	200	200	151	139	76	70	30-119	8	30	
Bromomethane	ug/L	10.0 U	200	200	29.3	37.8	15	19	10-163	25	30	CL
Carbon disulfide	ug/L	10.0 U	200	200	179	149	90	74	41-116	19	30	
Carbon tetrachloride	ug/L	10.0 U	200	200	171	159	85	80	55-119	7	30	
Chlorobenzene	ug/L	10.0 U	200	200	181	166	90	83	66-124	8	30	
Chloroethane	ug/L	10.0 U	200	200	223	245	112	123	45-162	9	30	
Chloroform	ug/L	10.0 U	200	200	174	165	87	83	56-123	5	30	
Chloromethane	ug/L	10.0 U	200	200	135	147	68	73	49-150	8	30	
cis-1,2-Dichloroethene	ug/L	10.0 U	200	200	171	158	86	79	63-116	8	30	
cis-1,3-Dichloropropene	ug/L	10.0 U	200	200	161	147	81	73	46-119	10	30	
Dibromochloromethane	ug/L	10.0 U	200	200	159	148	79	74	42-120	7	30	
Dibromomethane	ug/L	10.0 U	200	200	152	146	76	73	55-117	4	30	
Ethylbenzene	ug/L	11.1	200	200	194	184	92	86	63-135	6	30	
Iodomethane	ug/L	500 U	200	200	18.7J	36.3J	9	18	10-175		30	CL,IH, ML
Methyl-tert-butyl ether	ug/L	10.0 U	200	200	170	140	85	70	53-123	19	30	
Methylene Chloride	ug/L	10.0 U	200	200	174	164	87	82	57-132	6	30	
Naphthalene	ug/L	2910	200	200	3010	3050	50	70	30-157	1	30	
Styrene	ug/L	63.9	200	200	246	231	91	83	58-130	6	30	
Tetrachloroethene	ug/L	10.0 U	200	200	182	162	91	81	61-132	12	30	
Toluene	ug/L	140	200	200	326	311	93	85	59-139	5	30	
trans-1,2-Dichloroethene	ug/L	10.0 U	200	200	178	163	89	82	60-124	8	30	
trans-1,3-Dichloropropene	ug/L	10.0 U	200	200	172	152	86	76	48-121	12	30	
trans-1,4-Dichloro-2-butene	ug/L	50.0 U	200	200	168	148	84	74	10-111	12	30	
Trichloroethene	ug/L	10.0 U	200	200	173	164	87	82	63-128	5	30	
Trichlorofluoromethane	ug/L	10.0 U	200	200	232	228	116	114	70-152	2	30	
Vinyl acetate	ug/L	10.0 U	200	200	164	153	82	77	23-102	6	30	
Vinyl chloride	ug/L	10.0 U	200	200	177	182	88	91	67-141	3	30	
Xylene (Total)	ug/L	251	600	600	794	746	91	83	63-135	6	30	
1,2-Dichloroethane-d4 (S)	%.						103	102	70-130			
4-Bromofluorobenzene (S)	%.						99	100	70-130			
Dibromofluoromethane (S)	%.						102	102	70-130			
Toluene-d8 (S)	%.						100	99	70-130			

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(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30362374

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30362374

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30362374001	**Trip Blank**	EPA 8260B	396399		
30362374002	**0061-PZM007**	EPA 8260B	396399		
30362374003	**0062-PZM007**	EPA 8260B	396399		
30362374004	**0063-PZM007**	EPA 8260B	396399		
30362374005	**0064-PZM006**	EPA 8260B	396399		
30362374006	**0065-PZM005**	EPA 8260B	396399		
30362374007	**0066-PZM005**	EPA 8260B	396399		
30362374008	**0067-PZM006**	EPA 8260B	396401		
30362374009	**0068-PZM005**	EPA 8260B	396401		
30362374010	**0069-PZM005**	EPA 8260B	396401		
30362374011	**0070-PZM005**	EPA 8260B	396401		
30362374012	**0071-PZM006**	EPA 8260B	396401		
30362374013	**0072-PZM005**	EPA 8260B	396401		

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WO# : 30362374

30362374

Page: 1 of 2

Section A — Client Information:
EnviroAnalytics Group
1600 Sparrows Point Blvd, Suite B2
Sparrows Point, MD 21219
jcalenda@enviroanalyticsgroup.com
314-620-3056 | Fax:
Due Date/TAT: 5 Day

Section B — Required Project Information:
Report To: James Calenda
Copy To: Stewart Kabis
Purchase Order No.: EAG-SPT-6989
Project Name: COA IM GW Sampling
Project Number:

Section C — Invoice Information:
Attention:
Company:
Address: 1650 Des Peres Road, Suite 303 St. Louis, MO 63131
Pace Quote Reference:
Pace Project Manager: Samantha Bayura
Pace Profile #:

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER
Site Location STATE: MD

Section D — Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: VOC + NAPH by 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
Trip Blank	WT				05/08/2020			2				2					X		001
CO61-PZM007	WT	G				1000		3				3					X		002
CO62-PZM007	WT	G				1015		3				3					X		003
CO63-PZM007	WT	G				1030		3				3					X		004
CO64-PZM006	WT	G				1045		3				3					X		005
CO65-PZM005	WT	G				1100		3				3					X		006
CO66-PZM005	WT	G				1115		3				3					X		007
CO67-PZM006	WT	G				1300		3				3					X		008
CO68-PZM005	WT	G				1315		3				3					X		009
CO69-PZM005	WT	G				1330		3				3					X		010
CO70-PZM005	WT	G				1345		3				3					X		011
CO71-PZM006	WT	G				1400		3				3					X		012

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO		5/8/20	1500	PACE	5/8/20	15:50				
NO	PACE	5/8/20	18:30	RDS PACE	5/8/20	1830		✓		
	RDS PACE	5/8/20	2215		5/8/20	2215	4.2	Y	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Leandra M Glumac
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 05/08/2020

Temp In °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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30362374

Page: 2 of 2

A Client Information:
EnviroAnalytics Group
1600 Sparrows Point Blvd, Suite B2
Sparrows Point, MD 21219
jcalenda@enviroanalyticsgroup.com
314-620-3056 | Fax:
Due Date/TAT: 5 Day

Section B Required Project Information:
Report To: James Calenda
Copy To: Stewart Kabis
Purchase Order No.: EAG-SPT-6989
Project Name: COA IM GW Sampling
Project Number:

Section C Invoice Information:
Attention: Laura Sargent
Company Name: EnviroAnalytics Group
Address: 1650 Des Peres Road, Suite 303 St. Louis, MO 63131
Pace Quote Reference:
Pace Project Manager: Samantha Bayura
Pace Profile #:

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER
Site Location STATE: MD

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): VOC + NAPH by 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
CO72-FZM005	WT	G		05/05/2020		1415		3				3						X		013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NO		5/5/20	1500	AMB/PACE	5/5/20	1530				
NO	AMB/PACE	5/8/20	1830	RDS/PACE	5/8/20	1830		Y		
	RDS/PACE	5/8/20	2215		5/8/20	2215	4.2	Y	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Leandra M Glumac
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 05/05/2020

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: EnviroAnalytics Project #: 30362374

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Label JSM
LIMS Login JSM

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used 9 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 4.2 °C Correction Factor: -0.5 °C Final Temp: 3.7 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot#	Date and Initials of person examining contents: JSM 5/9/2020
Chain of Custody Present:	✓			1.	
Chain of Custody Filled Out:	✓			2.	
Chain of Custody Relinquished:	✓			3.	
Sampler Name & Signature on COC:	✓			4.	
Sample Labels match COC:	✓			5.	
-Includes date/time/ID Matrix: W					
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):		✓		7.	
Rush Turn Around Time Requested:	✓			8.	
Sufficient Volume:	✓			9.	
Correct Containers Used:	✓			10.	
-Pace Containers Used:	✓				
Containers Intact:	✓			11.	
Orthophosphate field filtered			✓	12.	
Hex Cr Aqueous sample field filtered			✓	13.	
Organic Samples checked for dechlorination:			✓	14.	
Filtered volume received for Dissolved tests			✓	15.	
All containers have been checked for preservation. exceptions: (VOA), coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix			✓	16.	
All containers meet method preservation requirements.	✓			Initial when completed: JSM	Date/time of preservation
				Lot # of added preservative	
Headspace in VOA Vials (>6mm):		✓		17.	
Trip Blank Present:	✓			18.	
Trip Blank Custody Seals Present	✓				
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed: JSM	Date: 5/9/2020

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

September 09, 2020

Mr. James Calenda
EnviroAnalytics Group, LLC
1600 Sparrows Point Blvd
Suite B2
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30380053

Dear Mr. Calenda:

Enclosed are the analytical results for sample(s) received by the laboratory on August 31, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30380053

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30380053

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30380053001	**Trip Blank**	Water	08/31/20 00:01	08/31/20 21:30
30380053002	**CO39-PZM007**	Water	08/31/20 08:50	08/31/20 21:30
30380053003	**CO39-PZM042**	Water	08/31/20 09:35	08/31/20 21:30
30380053004	**CO37-PZM038**	Water	08/31/20 10:20	08/31/20 21:30
30380053005	**CO38-PZM006**	Water	08/31/20 11:10	08/31/20 21:30
30380053006	**CO38-PZM043**	Water	08/31/20 12:00	08/31/20 21:30
30380053007	**CO104-PZMXXX**	Water	08/31/20 13:30	08/31/20 21:30
30380053008	**CO36-PZM043**	Water	08/31/20 13:55	08/31/20 21:30
30380053009	**CO36-PZM008**	Water	08/31/20 15:00	08/31/20 21:30

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30380053

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30380053001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30380053002	**CO39-PZM007**	EPA 8260B	LEL	53	PASI-PA
30380053003	**CO39-PZM042**	EPA 8260B	LEL	53	PASI-PA
30380053004	**CO37-PZM038**	EPA 8260B	LEL	53	PASI-PA
30380053005	**CO38-PZM006**	EPA 8260B	LEL	53	PASI-PA
30380053006	**CO38-PZM043**	EPA 8260B	LEL	53	PASI-PA
30380053007	**CO104-PZMXXX**	EPA 8260B	LEL	53	PASI-PA
30380053008	**CO36-PZM043**	EPA 8260B	LEL	53	PASI-PA
30380053009	**CO36-PZM008**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380053

Sample: Trip Blank **Lab ID: 30380053001** Collected: 08/31/20 00:01 Received: 08/31/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		09/04/20 16:33	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 16:33	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		09/04/20 16:33	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 16:33	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		09/04/20 16:33	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		09/04/20 16:33	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		09/04/20 16:33	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		09/04/20 16:33	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		09/04/20 16:33	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 16:33	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 16:33	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		09/04/20 16:33	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		09/04/20 16:33	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		09/04/20 16:33	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		09/04/20 16:33	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		09/04/20 16:33	108-10-1	L2
Acetone	**10.0 U**	ug/L	10.0	5.6	1		09/04/20 16:33	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		09/04/20 16:33	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		09/04/20 16:33	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		09/04/20 16:33	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		09/04/20 16:33	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		09/04/20 16:33	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		09/04/20 16:33	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 16:33	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		09/04/20 16:33	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		09/04/20 16:33	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		09/04/20 16:33	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		09/04/20 16:33	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		09/04/20 16:33	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		09/04/20 16:33	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		09/04/20 16:33	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		09/04/20 16:33	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		09/04/20 16:33	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		09/04/20 16:33	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		09/04/20 16:33	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		09/04/20 16:33	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 16:33	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		09/04/20 16:33	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 16:33	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 16:33	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		09/04/20 16:33	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		09/04/20 16:33	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 16:33	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		09/04/20 16:33	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 16:33	156-59-2	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380053

Sample: Trip Blank **Lab ID: 30380053001** Collected: 08/31/20 00:01 Received: 08/31/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 16:33	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		09/04/20 16:33	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 16:33	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		09/04/20 16:33	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%.	70-130		1		09/04/20 16:33	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		1		09/04/20 16:33	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		1		09/04/20 16:33	2037-26-5	
Dibromofluoromethane (S)	104	%.	70-130		1		09/04/20 16:33	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380053

Sample: CO39-PZM007 **Lab ID: 30380053002** Collected: 08/31/20 08:50 Received: 08/31/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		09/04/20 17:48	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 17:48	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 17:48	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 17:48	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 17:48	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 17:48	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 17:48	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		09/04/20 17:48	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 17:48	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 17:48	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 17:48	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 17:48	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 17:48	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		09/04/20 17:48	78-93-3	ML
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		09/04/20 17:48	591-78-6	L2,ML
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		09/04/20 17:48	108-10-1	L2,ML
Acetone	**50.0 U**	ug/L	50.0	28.0	5		09/04/20 17:48	67-64-1	ML
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		09/04/20 17:48	107-13-1	ML,R1
Benzene	**3850**	ug/L	50.0	16.9	50		09/08/20 19:56	71-43-2	MH
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 17:48	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 17:48	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		09/04/20 17:48	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		09/04/20 17:48	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 17:48	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 17:48	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		09/04/20 17:48	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 17:48	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 17:48	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 17:48	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		09/04/20 17:48	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 17:48	74-95-3	
Ethylbenzene	**32.2**	ug/L	5.0	2.0	5		09/04/20 17:48	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		09/04/20 17:48	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 17:48	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 17:48	75-09-2	
Naphthalene	**1550**	ug/L	10.0	4.1	5		09/04/20 17:48	91-20-3	ML
Styrene	**44.4**	ug/L	5.0	1.6	5		09/04/20 17:48	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 17:48	127-18-4	
Toluene	**1230**	ug/L	5.0	1.6	5		09/04/20 17:48	108-88-3	ML
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		09/04/20 17:48	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		09/04/20 17:48	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 17:48	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 17:48	75-01-4	
Xylene (Total)	**265**	ug/L	15.0	6.8	5		09/04/20 17:48	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 17:48	156-59-2	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380053

Sample: CO39-PZM007 **Lab ID: 30380053002** Collected: 08/31/20 08:50 Received: 08/31/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 17:48	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 17:48	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 17:48	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		09/04/20 17:48	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%.	70-130		5		09/04/20 17:48	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%.	70-130		5		09/04/20 17:48	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		5		09/04/20 17:48	2037-26-5	
Dibromofluoromethane (S)	98	%.	70-130		5		09/04/20 17:48	1868-53-7	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380053

Sample: CO39-PZM042 **Lab ID: 30380053003** Collected: 08/31/20 09:35 Received: 08/31/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		09/04/20 19:04	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 19:04	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 19:04	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 19:04	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 19:04	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 19:04	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 19:04	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		09/04/20 19:04	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 19:04	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 19:04	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 19:04	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 19:04	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 19:04	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		09/04/20 19:04	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		09/04/20 19:04	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		09/04/20 19:04	108-10-1	L2
Acetone	**50.0 U**	ug/L	50.0	28.0	5		09/04/20 19:04	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		09/04/20 19:04	107-13-1	
Benzene	**735**	ug/L	5.0	1.7	5		09/04/20 19:04	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 19:04	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 19:04	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		09/04/20 19:04	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		09/04/20 19:04	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 19:04	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 19:04	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		09/04/20 19:04	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 19:04	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 19:04	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 19:04	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		09/04/20 19:04	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 19:04	74-95-3	
Ethylbenzene	**4.3J**	ug/L	5.0	2.0	5		09/04/20 19:04	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		09/04/20 19:04	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 19:04	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 19:04	75-09-2	
Naphthalene	**722**	ug/L	10.0	4.1	5		09/04/20 19:04	91-20-3	
Styrene	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 19:04	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 19:04	127-18-4	
Toluene	**105**	ug/L	5.0	1.6	5		09/04/20 19:04	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		09/04/20 19:04	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		09/04/20 19:04	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 19:04	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 19:04	75-01-4	
Xylene (Total)	**27.4**	ug/L	15.0	6.8	5		09/04/20 19:04	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 19:04	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380053

Sample: CO39-PZM042 **Lab ID: 30380053003** Collected: 08/31/20 09:35 Received: 08/31/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 19:04	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 19:04	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 19:04	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		09/04/20 19:04	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		5		09/04/20 19:04	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%.	70-130		5		09/04/20 19:04	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		5		09/04/20 19:04	2037-26-5	
Dibromofluoromethane (S)	103	%.	70-130		5		09/04/20 19:04	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380053

Sample: CO37-PZM038 **Lab ID: 30380053004** Collected: 08/31/20 10:20 Received: 08/31/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		09/04/20 19:54	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 19:54	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 19:54	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 19:54	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 19:54	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 19:54	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 19:54	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		09/04/20 19:54	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 19:54	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 19:54	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 19:54	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 19:54	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 19:54	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		09/04/20 19:54	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		09/04/20 19:54	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		09/04/20 19:54	108-10-1	L2
Acetone	**50.0 U**	ug/L	50.0	28.0	5		09/04/20 19:54	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		09/04/20 19:54	107-13-1	
Benzene	**16300**	ug/L	200	67.6	200		09/04/20 20:19	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 19:54	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 19:54	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		09/04/20 19:54	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		09/04/20 19:54	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 19:54	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 19:54	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		09/04/20 19:54	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 19:54	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 19:54	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 19:54	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		09/04/20 19:54	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 19:54	74-95-3	
Ethylbenzene	**273**	ug/L	5.0	2.0	5		09/04/20 19:54	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		09/04/20 19:54	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 19:54	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 19:54	75-09-2	
Naphthalene	**1430**	ug/L	10.0	4.1	5		09/04/20 19:54	91-20-3	
Styrene	**436**	ug/L	5.0	1.6	5		09/04/20 19:54	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 19:54	127-18-4	
Toluene	**8330**	ug/L	200	63.4	200		09/04/20 20:19	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		09/04/20 19:54	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		09/04/20 19:54	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 19:54	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 19:54	75-01-4	
Xylene (Total)	**2260**	ug/L	15.0	6.8	5		09/04/20 19:54	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 19:54	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380053

Sample: CO37-PZM038 **Lab ID: 30380053004** Collected: 08/31/20 10:20 Received: 08/31/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 19:54	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 19:54	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 19:54	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		09/04/20 19:54	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%.	70-130		5		09/04/20 19:54	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130		5		09/04/20 19:54	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		5		09/04/20 19:54	2037-26-5	
Dibromofluoromethane (S)	99	%.	70-130		5		09/04/20 19:54	1868-53-7	

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380053

Sample: CO38-PZM006 **Lab ID: 30380053005** Collected: 08/31/20 11:10 Received: 08/31/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		09/04/20 18:14	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 18:14	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 18:14	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 18:14	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 18:14	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 18:14	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 18:14	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		09/04/20 18:14	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 18:14	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 18:14	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 18:14	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 18:14	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 18:14	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		09/04/20 18:14	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		09/04/20 18:14	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		09/04/20 18:14	108-10-1	L2
Acetone	**50.0 U**	ug/L	50.0	28.0	5		09/04/20 18:14	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		09/04/20 18:14	107-13-1	
Benzene	**4370**	ug/L	20.0	6.8	20		09/04/20 18:39	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 18:14	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 18:14	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		09/04/20 18:14	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		09/04/20 18:14	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 18:14	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 18:14	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		09/04/20 18:14	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 18:14	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 18:14	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 18:14	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		09/04/20 18:14	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 18:14	74-95-3	
Ethylbenzene	**57.5**	ug/L	5.0	2.0	5		09/04/20 18:14	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		09/04/20 18:14	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 18:14	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 18:14	75-09-2	
Naphthalene	**1460**	ug/L	10.0	4.1	5		09/04/20 18:14	91-20-3	
Styrene	**39.9**	ug/L	5.0	1.6	5		09/04/20 18:14	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 18:14	127-18-4	
Toluene	**984**	ug/L	5.0	1.6	5		09/04/20 18:14	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		09/04/20 18:14	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		09/04/20 18:14	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 18:14	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 18:14	75-01-4	
Xylene (Total)	**450**	ug/L	15.0	6.8	5		09/04/20 18:14	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 18:14	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380053

Sample: CO38-PZM006 **Lab ID: 30380053005** Collected: 08/31/20 11:10 Received: 08/31/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 18:14	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 18:14	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 18:14	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		09/04/20 18:14	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		5		09/04/20 18:14	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		5		09/04/20 18:14	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		5		09/04/20 18:14	2037-26-5	
Dibromofluoromethane (S)	97	%.	70-130		5		09/04/20 18:14	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380053

Sample: CO38-PZM043 **Lab ID: 30380053006** Collected: 08/31/20 12:00 Received: 08/31/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		09/04/20 16:58	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 16:58	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		09/04/20 16:58	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 16:58	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		09/04/20 16:58	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		09/04/20 16:58	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		09/04/20 16:58	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		09/04/20 16:58	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		09/04/20 16:58	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 16:58	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 16:58	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		09/04/20 16:58	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		09/04/20 16:58	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		09/04/20 16:58	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		09/04/20 16:58	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		09/04/20 16:58	108-10-1	L2
Acetone	**10.0 U**	ug/L	10.0	5.6	1		09/04/20 16:58	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		09/04/20 16:58	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		09/04/20 16:58	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		09/04/20 16:58	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		09/04/20 16:58	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		09/04/20 16:58	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		09/04/20 16:58	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 16:58	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		09/04/20 16:58	56-23-5	
Chlorobenzene	**0.39J**	ug/L	1.0	0.26	1		09/04/20 16:58	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		09/04/20 16:58	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		09/04/20 16:58	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		09/04/20 16:58	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		09/04/20 16:58	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		09/04/20 16:58	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		09/04/20 16:58	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		09/04/20 16:58	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		09/04/20 16:58	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		09/04/20 16:58	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		09/04/20 16:58	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 16:58	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		09/04/20 16:58	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 16:58	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 16:58	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		09/04/20 16:58	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		09/04/20 16:58	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 16:58	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		09/04/20 16:58	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 16:58	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380053

Sample: CO38-PZM043 **Lab ID: 30380053006** Collected: 08/31/20 12:00 Received: 08/31/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 16:58	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		09/04/20 16:58	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 16:58	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		09/04/20 16:58	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%.	70-130		1		09/04/20 16:58	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%.	70-130		1		09/04/20 16:58	17060-07-0	
Toluene-d8 (S)	98	%.	70-130		1		09/04/20 16:58	2037-26-5	
Dibromofluoromethane (S)	99	%.	70-130		1		09/04/20 16:58	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380053

Sample: CO104-PZMXXX **Lab ID: 30380053007** Collected: 08/31/20 13:30 Received: 08/31/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		09/04/20 17:23	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 17:23	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		09/04/20 17:23	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 17:23	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		09/04/20 17:23	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		09/04/20 17:23	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		09/04/20 17:23	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		09/04/20 17:23	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		09/04/20 17:23	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 17:23	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 17:23	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		09/04/20 17:23	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		09/04/20 17:23	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		09/04/20 17:23	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		09/04/20 17:23	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		09/04/20 17:23	108-10-1	L2
Acetone	**10.0 U**	ug/L	10.0	5.6	1		09/04/20 17:23	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		09/04/20 17:23	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		09/04/20 17:23	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		09/04/20 17:23	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		09/04/20 17:23	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		09/04/20 17:23	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		09/04/20 17:23	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 17:23	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		09/04/20 17:23	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		09/04/20 17:23	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		09/04/20 17:23	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		09/04/20 17:23	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		09/04/20 17:23	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		09/04/20 17:23	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		09/04/20 17:23	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		09/04/20 17:23	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		09/04/20 17:23	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		09/04/20 17:23	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		09/04/20 17:23	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		09/04/20 17:23	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 17:23	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		09/04/20 17:23	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 17:23	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 17:23	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		09/04/20 17:23	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		09/04/20 17:23	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 17:23	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		09/04/20 17:23	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 17:23	156-59-2	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380053

Sample: CO104-PZMXXX **Lab ID: 30380053007** Collected: 08/31/20 13:30 Received: 08/31/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 17:23	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		09/04/20 17:23	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 17:23	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		09/04/20 17:23	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%.	70-130		1		09/04/20 17:23	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%.	70-130		1		09/04/20 17:23	17060-07-0	
Toluene-d8 (S)	96	%.	70-130		1		09/04/20 17:23	2037-26-5	
Dibromofluoromethane (S)	101	%.	70-130		1		09/04/20 17:23	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380053

Sample: CO36-PZM043 **Lab ID: 30380053008** Collected: 08/31/20 13:55 Received: 08/31/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		09/04/20 20:44	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 20:44	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 20:44	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 20:44	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 20:44	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 20:44	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 20:44	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		09/04/20 20:44	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 20:44	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 20:44	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 20:44	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 20:44	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 20:44	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		09/04/20 20:44	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		09/04/20 20:44	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		09/04/20 20:44	108-10-1	L2
Acetone	**50.0 U**	ug/L	50.0	28.0	5		09/04/20 20:44	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		09/04/20 20:44	107-13-1	
Benzene	**7910**	ug/L	200	67.6	200		09/04/20 21:09	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 20:44	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 20:44	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		09/04/20 20:44	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		09/04/20 20:44	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 20:44	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 20:44	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		09/04/20 20:44	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 20:44	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 20:44	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 20:44	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		09/04/20 20:44	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 20:44	74-95-3	
Ethylbenzene	**13.1**	ug/L	5.0	2.0	5		09/04/20 20:44	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		09/04/20 20:44	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 20:44	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 20:44	75-09-2	
Naphthalene	**191**	ug/L	10.0	4.1	5		09/04/20 20:44	91-20-3	
Styrene	**2.9J**	ug/L	5.0	1.6	5		09/04/20 20:44	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 20:44	127-18-4	
Toluene	**1130**	ug/L	5.0	1.6	5		09/04/20 20:44	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		09/04/20 20:44	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		09/04/20 20:44	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 20:44	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 20:44	75-01-4	
Xylene (Total)	**375**	ug/L	15.0	6.8	5		09/04/20 20:44	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 20:44	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380053

Sample: CO36-PZM043 **Lab ID: 30380053008** Collected: 08/31/20 13:55 Received: 08/31/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 20:44	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 20:44	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 20:44	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		09/04/20 20:44	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		5		09/04/20 20:44	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%.	70-130		5		09/04/20 20:44	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		5		09/04/20 20:44	2037-26-5	
Dibromofluoromethane (S)	97	%.	70-130		5		09/04/20 20:44	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380053

Sample: CO36-PZM008 **Lab ID: 30380053009** Collected: 08/31/20 15:00 Received: 08/31/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		09/04/20 21:34	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 21:34	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 21:34	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 21:34	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 21:34	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 21:34	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 21:34	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		09/04/20 21:34	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 21:34	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 21:34	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 21:34	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 21:34	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 21:34	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		09/04/20 21:34	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		09/04/20 21:34	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		09/04/20 21:34	108-10-1	L2
Acetone	**50.0 U**	ug/L	50.0	28.0	5		09/04/20 21:34	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		09/04/20 21:34	107-13-1	
Benzene	**24000**	ug/L	200	67.6	200		09/04/20 21:59	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 21:34	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 21:34	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		09/04/20 21:34	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		09/04/20 21:34	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 21:34	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 21:34	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		09/04/20 21:34	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 21:34	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 21:34	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 21:34	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		09/04/20 21:34	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 21:34	74-95-3	
Ethylbenzene	**99.6**	ug/L	5.0	2.0	5		09/04/20 21:34	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		09/04/20 21:34	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 21:34	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 21:34	75-09-2	
Naphthalene	**817**	ug/L	10.0	4.1	5		09/04/20 21:34	91-20-3	
Styrene	**27.3**	ug/L	5.0	1.6	5		09/04/20 21:34	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 21:34	127-18-4	
Toluene	**5800**	ug/L	200	63.4	200		09/04/20 21:59	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		09/04/20 21:34	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		09/04/20 21:34	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 21:34	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 21:34	75-01-4	
Xylene (Total)	**1670**	ug/L	15.0	6.8	5		09/04/20 21:34	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 21:34	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380053

Sample: CO36-PZM008 **Lab ID: 30380053009** Collected: 08/31/20 15:00 Received: 08/31/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 21:34	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 21:34	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 21:34	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		09/04/20 21:34	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%.	70-130		5		09/04/20 21:34	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%.	70-130		5		09/04/20 21:34	17060-07-0	
Toluene-d8 (S)	96	%.	70-130		5		09/04/20 21:34	2037-26-5	
Dibromofluoromethane (S)	97	%.	70-130		5		09/04/20 21:34	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30380053

QC Batch: 412700 | Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B | Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30380053001, 30380053002, 30380053003, 30380053004, 30380053005, 30380053006, 30380053007, 30380053008, 30380053009

METHOD BLANK: 1995960 Matrix: Water
Associated Lab Samples: 30380053001, 30380053002, 30380053003, 30380053004, 30380053005, 30380053006, 30380053007, 30380053008, 30380053009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	09/04/20 16:08	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	09/04/20 16:08	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	09/04/20 16:08	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	09/04/20 16:08	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	09/04/20 16:08	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	09/04/20 16:08	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	09/04/20 16:08	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	09/04/20 16:08	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	09/04/20 16:08	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	09/04/20 16:08	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	09/04/20 16:08	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	09/04/20 16:08	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	09/04/20 16:08	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	09/04/20 16:08	
2-Hexanone	ug/L	10.0 U	10.0	0.58	09/04/20 16:08	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	09/04/20 16:08	
Acetone	ug/L	10.0 U	10.0	5.6	09/04/20 16:08	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	09/04/20 16:08	
Benzene	ug/L	1.0 U	1.0	0.34	09/04/20 16:08	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	09/04/20 16:08	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	09/04/20 16:08	
Bromoform	ug/L	1.0 U	1.0	0.56	09/04/20 16:08	
Bromomethane	ug/L	1.0 U	1.0	0.73	09/04/20 16:08	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	09/04/20 16:08	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	09/04/20 16:08	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	09/04/20 16:08	
Chloroethane	ug/L	1.0 U	1.0	0.64	09/04/20 16:08	
Chloroform	ug/L	1.0 U	1.0	0.39	09/04/20 16:08	
Chloromethane	ug/L	1.0 U	1.0	0.40	09/04/20 16:08	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	09/04/20 16:08	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	09/04/20 16:08	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	09/04/20 16:08	
Dibromomethane	ug/L	1.0 U	1.0	0.34	09/04/20 16:08	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	09/04/20 16:08	
Iodomethane	ug/L	50.0 U	50.0	0.52	09/04/20 16:08	
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	09/04/20 16:08	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	09/04/20 16:08	
Naphthalene	ug/L	2.0 U	2.0	0.82	09/04/20 16:08	
Styrene	ug/L	1.0 U	1.0	0.33	09/04/20 16:08	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30380053

METHOD BLANK: 1995960 Matrix: Water

Associated Lab Samples: 30380053001, 30380053002, 30380053003, 30380053004, 30380053005, 30380053006, 30380053007, 30380053008, 30380053009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	09/04/20 16:08	
Toluene	ug/L	1.0 U	1.0	0.32	09/04/20 16:08	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	09/04/20 16:08	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	09/04/20 16:08	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	09/04/20 16:08	
Trichloroethene	ug/L	1.0 U	1.0	0.29	09/04/20 16:08	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	09/04/20 16:08	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	09/04/20 16:08	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	09/04/20 16:08	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	09/04/20 16:08	
1,2-Dichloroethane-d4 (S)	%.	108	70-130		09/04/20 16:08	
4-Bromofluorobenzene (S)	%.	98	70-130		09/04/20 16:08	
Dibromofluoromethane (S)	%.	104	70-130		09/04/20 16:08	
Toluene-d8 (S)	%.	94	70-130		09/04/20 16:08	

LABORATORY CONTROL SAMPLE: 1995961

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.9	90	70-130	
1,1,1-Trichloroethane	ug/L	20	21.1	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	14.8	74	70-130	
1,1,2-Trichloroethane	ug/L	20	17.1	86	70-130	
1,1-Dichloroethane	ug/L	20	19.9	99	70-130	
1,1-Dichloroethene	ug/L	20	20.1	101	70-130	
1,2,3-Trichloropropane	ug/L	20	14.7	74	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	11.9	60	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	15.8	79	70-130	
1,2-Dichlorobenzene	ug/L	20	18.4	92	70-130	
1,2-Dichloroethane	ug/L	20	18.5	93	70-130	
1,2-Dichloropropane	ug/L	20	19.0	95	70-130	
1,4-Dichlorobenzene	ug/L	20	18.8	94	70-130	
2-Butanone (MEK)	ug/L	20	14.3	71	70-130	
2-Hexanone	ug/L	20	12.5	63	70-130	L2
4-Methyl-2-pentanone (MIBK)	ug/L	20	13.4	67	70-130	L2
Acetone	ug/L	20	14.0	70	67-173	
Acrylonitrile	ug/L	20	14.2	71	56-147	
Benzene	ug/L	20	19.0	95	70-130	
Bromochloromethane	ug/L	20	19.1	96	70-130	
Bromodichloromethane	ug/L	20	19.5	98	70-130	
Bromoform	ug/L	20	13.8	69	63-119	
Bromomethane	ug/L	20	20.2	101	24-159	
Carbon disulfide	ug/L	20	20.8	104	57-132	
Carbon tetrachloride	ug/L	20	18.4	92	70-130	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30380053

LABORATORY CONTROL SAMPLE: 1995961

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	20	19.2	96	70-130	
Chloroethane	ug/L	20	23.3	116	62-145	
Chloroform	ug/L	20	19.2	96	70-130	
Chloromethane	ug/L	20	15.6	78	66-140	
cis-1,2-Dichloroethene	ug/L	20	17.8	89	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.5	93	70-130	
Dibromochloromethane	ug/L	20	17.1	86	70-130	
Dibromomethane	ug/L	20	16.9	84	70-130	
Ethylbenzene	ug/L	20	19.2	96	70-130	
Iodomethane	ug/L	20	11.9J	59	10-175	
Methyl-tert-butyl ether	ug/L	20	17.1	85	70-130	
Methylene Chloride	ug/L	20	20.8	104	70-130	
Naphthalene	ug/L	20	21.3	106	55-160	
Styrene	ug/L	20	19.5	98	70-130	
Tetrachloroethene	ug/L	20	18.9	95	70-130	
Toluene	ug/L	20	18.8	94	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.6	98	70-130	
trans-1,3-Dichloropropene	ug/L	20	17.5	88	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	12.7	63	48-131	
Trichloroethene	ug/L	20	19.3	97	70-130	
Trichlorofluoromethane	ug/L	20	22.5	112	70-130	
Vinyl acetate	ug/L	20	14.0	70	33-128	
Vinyl chloride	ug/L	20	17.4	87	70-130	
Xylene (Total)	ug/L	60	58.5	97	70-130	
1,2-Dichloroethane-d4 (S)	%.			104	70-130	
4-Bromofluorobenzene (S)	%.			95	70-130	
Dibromofluoromethane (S)	%.			106	70-130	
Toluene-d8 (S)	%.			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1995962 1995963

Parameter	Units	30380053002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	5.0 U	100	100	75.7	78.5	76	79	59-117	4	30	
1,1,1-Trichloroethane	ug/L	5.0 U	100	100	91.1	96.0	91	96	55-146	5	30	
1,1,2,2-Tetrachloroethane	ug/L	5.0 U	100	100	61.6	65.5	62	66	55-118	6	30	
1,1,2-Trichloroethane	ug/L	5.0 U	100	100	76.5	79.3	77	79	61-122	4	30	
1,1-Dichloroethane	ug/L	5.0 U	100	100	87.6	90.7	88	91	59-130	4	30	
1,1-Dichloroethene	ug/L	5.0 U	100	100	91.6	91.6	92	92	52-119	0	30	
1,2,3-Trichloropropane	ug/L	5.0 U	100	100	60.9	63.4	61	63	59-117	4	30	
1,2-Dibromo-3-chloropropane	ug/L	25.0 U	100	100	42.8	45.3	43	45	32-112	6	30	
1,2-Dibromoethane (EDB)	ug/L	5.0 U	100	100	67.1	73.3	67	73	61-116	9	30	
1,2-Dichlorobenzene	ug/L	5.0 U	100	100	79.7	85.0	80	85	58-126	7	30	
1,2-Dichloroethane	ug/L	5.0 U	100	100	83.0	84.4	83	84	49-135	2	30	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30380053

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1995962 1995963

Parameter	Units	30380053002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloropropane	ug/L	5.0 U	100	100	85.5	87.3	86	87	67-121	2	30	
1,4-Dichlorobenzene	ug/L	5.0 U	100	100	83.1	87.2	83	87	60-121	5	30	
2-Butanone (MEK)	ug/L	50.0 U	100	100	57.6	56.7	58	57	59-138	2	30	ML
2-Hexanone	ug/L	50.0 U	100	100	44.6J	48.0J	45	48	66-123		30	ML
4-Methyl-2-pentanone (MIBK)	ug/L	50.0 U	100	100	50.9	52.6	51	53	70-130	3	30	ML
Acetone	ug/L	50.0 U	100	100	51.8	54.5	52	54	57-140	5	30	ML
Acrylonitrile	ug/L	20.0 U	100	100	39.9	57.6	40	58	47-134	36	30	ML,R1
Benzene	ug/L	3850	1000	1000	5490	5660	164	181	50-149	3	30	MH
Bromochloromethane	ug/L	5.0 U	100	100	84.7	86.7	85	87	63-120	2	30	
Bromodichloromethane	ug/L	5.0 U	100	100	82.4	84.0	82	84	46-131	2	30	
Bromoform	ug/L	5.0 U	100	100	52.8	56.9	53	57	30-119	7	30	
Bromomethane	ug/L	5.0 U	100	100	41.5	38.5	41	38	10-163	8	30	
Carbon disulfide	ug/L	5.0 U	100	100	94.3	100	94	100	41-116	6	30	
Carbon tetrachloride	ug/L	5.0 U	100	100	77.3	81.1	77	81	55-119	5	30	
Chlorobenzene	ug/L	5.0 U	100	100	84.9	89.1	85	89	66-124	5	30	
Chloroethane	ug/L	5.0 U	100	100	100	125	100	125	45-162	22	30	
Chloroform	ug/L	5.0 U	100	100	80.1	80.4	80	80	56-123	0	30	
Chloromethane	ug/L	5.0 U	100	100	70.6	77.4	71	77	49-150	9	30	
cis-1,2-Dichloroethene	ug/L	5.0 U	100	100	84.9	88.8	85	89	63-116	4	30	
cis-1,3-Dichloropropene	ug/L	5.0 U	100	100	76.8	79.8	77	80	46-119	4	30	
Dibromochloromethane	ug/L	5.0 U	100	100	68.4	73.7	68	74	42-120	7	30	
Dibromomethane	ug/L	5.0 U	100	100	70.0	75.5	70	76	55-117	8	30	
Ethylbenzene	ug/L	32.2	100	100	120	126	87	94	63-135	5	30	
Iodomethane	ug/L	250 U	100	100	36.6J	36.6J	37	37	10-175		30	
Methyl-tert-butyl ether	ug/L	5.0 U	100	100	73.7	75.6	74	76	53-123	3	30	
Methylene Chloride	ug/L	5.0 U	100	100	88.5	91.7	89	92	57-132	3	30	
Naphthalene	ug/L	1550	100	100	1350	1460	-205	-98	30-157	8	30	ML
Styrene	ug/L	44.4	100	100	131	137	87	93	58-130	4	30	
Tetrachloroethene	ug/L	5.0 U	100	100	83.0	88.9	83	89	61-132	7	30	
Toluene	ug/L	1230	100	100	1240	1310	11	78	59-139	5	30	ML
trans-1,2-Dichloroethene	ug/L	5.0 U	100	100	88.4	92.3	88	92	60-124	4	30	
trans-1,3-Dichloropropene	ug/L	5.0 U	100	100	73.3	78.5	73	79	48-121	7	30	
trans-1,4-Dichloro-2-butene	ug/L	25.0 U	100	100	42.7	40.8	43	41	10-111	4	30	
Trichloroethene	ug/L	5.0 U	100	100	85.8	88.9	86	89	63-128	4	30	
Trichlorofluoromethane	ug/L	5.0 U	100	100	104	94.9	104	95	70-152	9	30	
Vinyl acetate	ug/L	5.0 U	100	100	61.3	63.9	61	64	23-102	4	30	
Vinyl chloride	ug/L	5.0 U	100	100	84.6	89.6	85	90	67-141	6	30	
Xylene (Total)	ug/L	265	300	300	516	542	84	92	63-135	5	30	
1,2-Dichloroethane-d4 (S)	%.						107	105	70-130			
4-Bromofluorobenzene (S)	%.						96	95	70-130			
Dibromofluoromethane (S)	%.						102	99	70-130			
Toluene-d8 (S)	%.						96	97	70-130			

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30380053

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.

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(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30380053

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30380053001	**Trip Blank**	EPA 8260B	412700		
30380053002	**CO39-PZM007**	EPA 8260B	412700		
30380053003	**CO39-PZM042**	EPA 8260B	412700		
30380053004	**CO37-PZM038**	EPA 8260B	412700		
30380053005	**CO38-PZM006**	EPA 8260B	412700		
30380053006	**CO38-PZM043**	EPA 8260B	412700		
30380053007	**CO104-PZMXXX**	EPA 8260B	412700		
30380053008	**CO36-PZM043**	EPA 8260B	412700		
30380053009	**CO36-PZM008**	EPA 8260B	412700		

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WO# : 30380053

30380053

A
Client Information:
EnviroAnalytics Group
1600 Sparrows Point Blvd, Suite B2
Sparrows Point, MD 21219
jcalenda@enviroanalyticsgroup.com
314-620-3056 Fax:
Due Date/TAT: 5 Day

Section B
Required Project Information:
Report To: James Calenda
Copy To: Stewart Kabis
Purchase Order No.: EAG-SPT-6989
Project Name: COA IM GW Sampling
Project Number:

Section C
Invoice Information:
Attention: Laura Sargent
Company Name: EnviroAnalytics Group
Address: 1650 Des Peres Road, Suite 303 St. Louis, MO 63131
Pace Quote Reference:
Pace Project Manager: Samantha Bayura
Pace Profile #:

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER
Site Location STATE: MD

Section D
Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	VOC + NAPH by 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
Trip Blank	WT	G			8/31/20	—		2				2						2		001
C039-P2M007	WT	G				850		3				3						3		002
C039-P2M042	WT	G				935		3				3						3		003
C037-P2M038	WT	G				1020		3				3						3		004
C038-P2M006	WT	G				1110		3				3						3		005
C038-P2M043	WT	G				1200		3				3						3		006
C0104-P2MXXX	WT	G				1330		3				3						3		007
C036-P2M043	WT	G				1355		3				3						3		008
C036-P2M008	WT	G				1500		3				3						3		009

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NO	[signature]	8/31/20	1600	[signature] / PACE	8/31/20	1600				
NO	[signature] / PACE	8/31/20	1840	RDS PACE	8/31/20	1845		Y		
	RDS PACE	8/31/20	2130	[signature] (Lang)	8/31/20	2130	4.1			

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Lisa Perrin
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 8/31/20

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: EnviroAnalytics Group Project # # 30380053

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Label mLC
LIMS Login mLC

Tracking #: N/A

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Thermometer Used 11 Type of Ice: Wet Blue None

Cooler Temperature Observed Temp 4.5 °C Correction Factor: .4 °C Final Temp: 4.1 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# N/A	Date and Initials of person examining contents: mLC 8/31/2020
Chain of Custody Present:	✓			1.	
Chain of Custody Filled Out:	✓			2.	
Chain of Custody Relinquished:	✓			3.	
Sampler Name & Signature on COC:	✓			4.	
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.	
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):		✓		7.	
Rush Turn Around Time Requested:	✓			8.	
Sufficient Volume:	✓			9.	
Correct Containers Used: -Pace Containers Used:	✓			10.	
Containers Intact:	✓			11.	
Orthophosphate field filtered			✓	12.	
Hex Cr Aqueous sample field filtered			✓	13.	
Organic Samples checked for dechlorination:			✓	14.	
Filtered volume received for Dissolved tests			✓	15.	
All containers have been checked for preservation. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix		✓		16.	
All containers meet method preservation requirements.	✓			Initial when completed mLC	Date/time of preservation
				Lot # of added preservative	
Headspace in VOA Vials (>6mm):		✓		17.	
Trip Blank Present:	✓			18.	
Trip Blank Custody Seals Present	✓				
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed:	Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

September 10, 2020

Mr. James Calenda
EnviroAnalytics Group, LLC
1600 Sparrows Point Blvd
Suite B2
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30380296

Dear Mr. Calenda:

Enclosed are the analytical results for sample(s) received by the laboratory on September 01, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30380296

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30380296

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30380296001	**Trip Blank**	Water	09/01/20 00:01	09/01/20 22:15
30380296002	**CO40-PZM008**	Water	09/01/20 08:20	09/01/20 22:15
30380296003	**CO41-PZM001**	Water	09/01/20 09:20	09/01/20 22:15
30380296004	**CO41-PZM036**	Water	09/01/20 10:10	09/01/20 22:15
30380296005	**CO30-PZM015**	Water	09/01/20 11:00	09/01/20 22:15
30380296006	**CO30-PZM060**	Water	09/01/20 12:15	09/01/20 22:15
30380296007	**CO103-PZMXXX**	Water	09/01/20 13:40	09/01/20 22:15
30380296008	**CO102-PZMXXX**	Water	09/01/20 15:15	09/01/20 22:15
30380296009	**CO02-PZM006**	Water	09/01/20 14:40	09/01/20 22:15

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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30380296

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30380296001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30380296002	**CO40-PZM008**	EPA 8260B	LEL	53	PASI-PA
30380296003	**CO41-PZM001**	EPA 8260B	LEL	53	PASI-PA
30380296004	**CO41-PZM036**	EPA 8260B	LEL	53	PASI-PA
30380296005	**CO30-PZM015**	EPA 8260B	LEL	53	PASI-PA
30380296006	**CO30-PZM060**	EPA 8260B	LEL	53	PASI-PA
30380296007	**CO103-PZMXXX**	EPA 8260B	LEL	53	PASI-PA
30380296008	**CO102-PZMXXX**	EPA 8260B	LEL	53	PASI-PA
30380296009	**CO02-PZM006**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380296

Sample: Trip Blank **Lab ID: 30380296001** Collected: 09/01/20 00:01 Received: 09/01/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		09/04/20 16:46	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 16:46	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		09/04/20 16:46	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 16:46	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		09/04/20 16:46	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		09/04/20 16:46	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		09/04/20 16:46	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		09/04/20 16:46	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		09/04/20 16:46	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 16:46	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 16:46	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		09/04/20 16:46	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		09/04/20 16:46	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		09/04/20 16:46	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		09/04/20 16:46	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		09/04/20 16:46	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		09/04/20 16:46	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		09/04/20 16:46	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		09/04/20 16:46	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		09/04/20 16:46	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		09/04/20 16:46	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		09/04/20 16:46	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		09/04/20 16:46	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 16:46	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		09/04/20 16:46	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		09/04/20 16:46	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		09/04/20 16:46	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		09/04/20 16:46	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		09/04/20 16:46	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		09/04/20 16:46	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		09/04/20 16:46	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		09/04/20 16:46	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		09/04/20 16:46	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		09/04/20 16:46	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		09/04/20 16:46	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		09/04/20 16:46	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 16:46	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		09/04/20 16:46	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 16:46	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 16:46	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		09/04/20 16:46	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		09/04/20 16:46	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 16:46	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		09/04/20 16:46	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 16:46	156-59-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380296

Sample: Trip Blank **Lab ID: 30380296001** Collected: 09/01/20 00:01 Received: 09/01/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 16:46	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		09/04/20 16:46	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 16:46	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		09/04/20 16:46	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	111	%.	70-130		1		09/04/20 16:46	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%.	70-130		1		09/04/20 16:46	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		09/04/20 16:46	2037-26-5	
Dibromofluoromethane (S)	101	%.	70-130		1		09/04/20 16:46	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380296

Sample: CO40-PZM008 **Lab ID: 30380296002** Collected: 09/01/20 08:20 Received: 09/01/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		09/04/20 18:26	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 18:26	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		09/04/20 18:26	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 18:26	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		09/04/20 18:26	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		09/04/20 18:26	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		09/04/20 18:26	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		09/04/20 18:26	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		09/04/20 18:26	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 18:26	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 18:26	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		09/04/20 18:26	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		09/04/20 18:26	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		09/04/20 18:26	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		09/04/20 18:26	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		09/04/20 18:26	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		09/04/20 18:26	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		09/04/20 18:26	107-13-1	
Benzene	**799**	ug/L	50.0	16.9	50		09/04/20 18:51	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		09/04/20 18:26	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		09/04/20 18:26	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		09/04/20 18:26	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		09/04/20 18:26	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 18:26	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		09/04/20 18:26	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		09/04/20 18:26	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		09/04/20 18:26	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		09/04/20 18:26	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		09/04/20 18:26	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		09/04/20 18:26	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		09/04/20 18:26	74-95-3	
Ethylbenzene	**5.7**	ug/L	1.0	0.40	1		09/04/20 18:26	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		09/04/20 18:26	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		09/04/20 18:26	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		09/04/20 18:26	75-09-2	
Naphthalene	**179**	ug/L	2.0	0.82	1		09/04/20 18:26	91-20-3	
Styrene	**4.1**	ug/L	1.0	0.33	1		09/04/20 18:26	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		09/04/20 18:26	127-18-4	
Toluene	**145**	ug/L	1.0	0.32	1		09/04/20 18:26	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 18:26	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		09/04/20 18:26	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		09/04/20 18:26	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 18:26	75-01-4	
Xylene (Total)	**35.9**	ug/L	3.0	1.4	1		09/04/20 18:26	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 18:26	156-59-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380296

Sample: CO40-PZM008 **Lab ID: 30380296002** Collected: 09/01/20 08:20 Received: 09/01/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 18:26	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		09/04/20 18:26	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 18:26	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		09/04/20 18:26	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	112	%.	70-130		1		09/04/20 18:26	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130		1		09/04/20 18:26	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		1		09/04/20 18:26	2037-26-5	
Dibromofluoromethane (S)	92	%.	70-130		1		09/04/20 18:26	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380296

Sample: CO41-PZM001 **Lab ID: 30380296003** Collected: 09/01/20 09:20 Received: 09/01/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		09/04/20 17:36	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 17:36	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		09/04/20 17:36	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 17:36	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		09/04/20 17:36	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		09/04/20 17:36	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		09/04/20 17:36	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		09/04/20 17:36	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		09/04/20 17:36	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 17:36	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 17:36	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		09/04/20 17:36	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		09/04/20 17:36	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		09/04/20 17:36	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		09/04/20 17:36	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		09/04/20 17:36	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		09/04/20 17:36	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		09/04/20 17:36	107-13-1	
Benzene	**43.8**	ug/L	1.0	0.34	1		09/04/20 17:36	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		09/04/20 17:36	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		09/04/20 17:36	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		09/04/20 17:36	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		09/04/20 17:36	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 17:36	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		09/04/20 17:36	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		09/04/20 17:36	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		09/04/20 17:36	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		09/04/20 17:36	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		09/04/20 17:36	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		09/04/20 17:36	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		09/04/20 17:36	74-95-3	
Ethylbenzene	**3.1**	ug/L	1.0	0.40	1		09/04/20 17:36	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		09/04/20 17:36	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		09/04/20 17:36	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		09/04/20 17:36	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		09/04/20 17:36	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 17:36	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		09/04/20 17:36	127-18-4	
Toluene	**17.0**	ug/L	1.0	0.32	1		09/04/20 17:36	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 17:36	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		09/04/20 17:36	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		09/04/20 17:36	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 17:36	75-01-4	
Xylene (Total)	**14.6**	ug/L	3.0	1.4	1		09/04/20 17:36	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 17:36	156-59-2	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380296

Sample: CO41-PZM001 **Lab ID: 30380296003** Collected: 09/01/20 09:20 Received: 09/01/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 17:36	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		09/04/20 17:36	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 17:36	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		09/04/20 17:36	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	118	%.	70-130		1		09/04/20 17:36	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130		1		09/04/20 17:36	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		09/04/20 17:36	2037-26-5	
Dibromofluoromethane (S)	97	%.	70-130		1		09/04/20 17:36	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380296

Sample: CO41-PZM036 **Lab ID: 30380296004** Collected: 09/01/20 10:10 Received: 09/01/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		09/04/20 21:46	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 21:46	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 21:46	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 21:46	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 21:46	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 21:46	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 21:46	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		09/04/20 21:46	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 21:46	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 21:46	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 21:46	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 21:46	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 21:46	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		09/04/20 21:46	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		09/04/20 21:46	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		09/04/20 21:46	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		09/04/20 21:46	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		09/04/20 21:46	107-13-1	
Benzene	**231000**	ug/L	1000	338	1000		09/04/20 22:11	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 21:46	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 21:46	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		09/04/20 21:46	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		09/04/20 21:46	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 21:46	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 21:46	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		09/04/20 21:46	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 21:46	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 21:46	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 21:46	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		09/04/20 21:46	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 21:46	74-95-3	
Ethylbenzene	**657**	ug/L	5.0	2.0	5		09/04/20 21:46	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		09/04/20 21:46	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 21:46	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 21:46	75-09-2	
Naphthalene	**295**	ug/L	10.0	4.1	5		09/04/20 21:46	91-20-3	
Styrene	**356**	ug/L	5.0	1.6	5		09/04/20 21:46	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 21:46	127-18-4	
Toluene	**71100**	ug/L	1000	317	1000		09/04/20 22:11	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		09/04/20 21:46	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		09/04/20 21:46	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 21:46	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 21:46	75-01-4	
Xylene (Total)	**13600**	ug/L	3000	1350	1000		09/04/20 22:11	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 21:46	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380296

Sample: CO41-PZM036 **Lab ID: 30380296004** Collected: 09/01/20 10:10 Received: 09/01/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 21:46	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 21:46	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 21:46	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		09/04/20 21:46	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%.	70-130		5		09/04/20 21:46	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%.	70-130		5		09/04/20 21:46	17060-07-0	
Toluene-d8 (S)	98	%.	70-130		5		09/04/20 21:46	2037-26-5	
Dibromofluoromethane (S)	83	%.	70-130		5		09/04/20 21:46	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380296

Sample: CO30-PZM015 **Lab ID: 30380296005** Collected: 09/01/20 11:00 Received: 09/01/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		09/04/20 20:56	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 20:56	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 20:56	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 20:56	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 20:56	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 20:56	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 20:56	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		09/04/20 20:56	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 20:56	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 20:56	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 20:56	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 20:56	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 20:56	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		09/04/20 20:56	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		09/04/20 20:56	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		09/04/20 20:56	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		09/04/20 20:56	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		09/04/20 20:56	107-13-1	
Benzene	**66400**	ug/L	500	169	500		09/04/20 21:21	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 20:56	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 20:56	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		09/04/20 20:56	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		09/04/20 20:56	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 20:56	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 20:56	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		09/04/20 20:56	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 20:56	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 20:56	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 20:56	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		09/04/20 20:56	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 20:56	74-95-3	
Ethylbenzene	**89.7**	ug/L	5.0	2.0	5		09/04/20 20:56	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		09/04/20 20:56	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 20:56	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 20:56	75-09-2	
Naphthalene	**1830**	ug/L	10.0	4.1	5		09/04/20 20:56	91-20-3	
Styrene	**12.5**	ug/L	5.0	1.6	5		09/04/20 20:56	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 20:56	127-18-4	
Toluene	**4800**	ug/L	500	158	500		09/04/20 21:21	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		09/04/20 20:56	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		09/04/20 20:56	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 20:56	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 20:56	75-01-4	
Xylene (Total)	**1200**	ug/L	15.0	6.8	5		09/04/20 20:56	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 20:56	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380296

Sample: CO30-PZM015 **Lab ID: 30380296005** Collected: 09/01/20 11:00 Received: 09/01/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 20:56	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 20:56	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 20:56	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		09/04/20 20:56	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%.	70-130		5		09/04/20 20:56	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%.	70-130		5		09/04/20 20:56	17060-07-0	
Toluene-d8 (S)	103	%.	70-130		5		09/04/20 20:56	2037-26-5	
Dibromofluoromethane (S)	85	%.	70-130		5		09/04/20 20:56	1868-53-7	

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380296

Sample: CO30-PZM060 **Lab ID: 30380296006** Collected: 09/01/20 12:15 Received: 09/01/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		09/04/20 17:11	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 17:11	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		09/04/20 17:11	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 17:11	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		09/04/20 17:11	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		09/04/20 17:11	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		09/04/20 17:11	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		09/04/20 17:11	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		09/04/20 17:11	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 17:11	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 17:11	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		09/04/20 17:11	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		09/04/20 17:11	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		09/04/20 17:11	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		09/04/20 17:11	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		09/04/20 17:11	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		09/04/20 17:11	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		09/04/20 17:11	107-13-1	
Benzene	**15.0**	ug/L	1.0	0.34	1		09/04/20 17:11	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		09/04/20 17:11	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		09/04/20 17:11	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		09/04/20 17:11	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		09/04/20 17:11	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 17:11	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		09/04/20 17:11	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		09/04/20 17:11	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		09/04/20 17:11	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		09/04/20 17:11	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		09/04/20 17:11	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		09/04/20 17:11	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		09/04/20 17:11	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		09/04/20 17:11	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		09/04/20 17:11	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		09/04/20 17:11	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		09/04/20 17:11	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		09/04/20 17:11	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 17:11	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		09/04/20 17:11	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 17:11	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 17:11	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		09/04/20 17:11	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		09/04/20 17:11	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 17:11	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		09/04/20 17:11	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 17:11	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380296

Sample: CO30-PZM060 **Lab ID: 30380296006** Collected: 09/01/20 12:15 Received: 09/01/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 17:11	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		09/04/20 17:11	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 17:11	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		09/04/20 17:11	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	113	%.	70-130		1		09/04/20 17:11	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		1		09/04/20 17:11	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		09/04/20 17:11	2037-26-5	
Dibromofluoromethane (S)	103	%.	70-130		1		09/04/20 17:11	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380296

Sample: CO103-PZMXXX **Lab ID: 30380296007** Collected: 09/01/20 13:40 Received: 09/01/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		09/04/20 19:16	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 19:16	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		09/04/20 19:16	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 19:16	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		09/04/20 19:16	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		09/04/20 19:16	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		09/04/20 19:16	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		09/04/20 19:16	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		09/04/20 19:16	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 19:16	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 19:16	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		09/04/20 19:16	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		09/04/20 19:16	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		09/04/20 19:16	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		09/04/20 19:16	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		09/04/20 19:16	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		09/04/20 19:16	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		09/04/20 19:16	107-13-1	
Benzene	**516**	ug/L	50.0	16.9	50		09/04/20 19:41	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		09/04/20 19:16	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		09/04/20 19:16	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		09/04/20 19:16	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		09/04/20 19:16	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 19:16	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		09/04/20 19:16	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		09/04/20 19:16	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		09/04/20 19:16	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		09/04/20 19:16	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		09/04/20 19:16	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		09/04/20 19:16	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		09/04/20 19:16	74-95-3	
Ethylbenzene	**2.2**	ug/L	1.0	0.40	1		09/04/20 19:16	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		09/04/20 19:16	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		09/04/20 19:16	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		09/04/20 19:16	75-09-2	
Naphthalene	**81.6**	ug/L	2.0	0.82	1		09/04/20 19:16	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		09/04/20 19:16	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		09/04/20 19:16	127-18-4	
Toluene	**12.6**	ug/L	1.0	0.32	1		09/04/20 19:16	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 19:16	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		09/04/20 19:16	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		09/04/20 19:16	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 19:16	75-01-4	
Xylene (Total)	**29.6**	ug/L	3.0	1.4	1		09/04/20 19:16	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		09/04/20 19:16	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380296

Sample: CO103-PZMXXX **Lab ID: 30380296007** Collected: 09/01/20 13:40 Received: 09/01/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		09/04/20 19:16	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		09/04/20 19:16	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		09/04/20 19:16	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		09/04/20 19:16	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	114	%.	70-130		1		09/04/20 19:16	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%.	70-130		1		09/04/20 19:16	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		1		09/04/20 19:16	2037-26-5	
Dibromofluoromethane (S)	97	%.	70-130		1		09/04/20 19:16	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380296

Sample: CO102-PZMXXX **Lab ID: 30380296008** Collected: 09/01/20 15:15 Received: 09/01/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		09/04/20 20:06	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 20:06	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 20:06	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 20:06	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 20:06	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 20:06	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 20:06	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		09/04/20 20:06	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 20:06	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 20:06	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 20:06	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 20:06	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 20:06	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		09/04/20 20:06	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		09/04/20 20:06	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		09/04/20 20:06	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		09/04/20 20:06	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		09/04/20 20:06	107-13-1	
Benzene	**15100**	ug/L	100	33.8	100		09/04/20 20:31	71-43-2	ML
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 20:06	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 20:06	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		09/04/20 20:06	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		09/04/20 20:06	74-83-9	R1
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 20:06	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 20:06	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		09/04/20 20:06	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 20:06	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 20:06	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 20:06	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		09/04/20 20:06	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 20:06	74-95-3	
Ethylbenzene	**17.8**	ug/L	5.0	2.0	5		09/04/20 20:06	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		09/04/20 20:06	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 20:06	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 20:06	75-09-2	
Naphthalene	**772**	ug/L	10.0	4.1	5		09/04/20 20:06	91-20-3	ML
Styrene	**5.6**	ug/L	5.0	1.6	5		09/04/20 20:06	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 20:06	127-18-4	
Toluene	**909**	ug/L	5.0	1.6	5		09/04/20 20:06	108-88-3	ML
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		09/04/20 20:06	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		09/04/20 20:06	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 20:06	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 20:06	75-01-4	
Xylene (Total)	**189**	ug/L	15.0	6.8	5		09/04/20 20:06	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 20:06	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380296

Sample: CO102-PZMXXX **Lab ID: 30380296008** Collected: 09/01/20 15:15 Received: 09/01/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 20:06	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 20:06	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 20:06	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		09/04/20 20:06	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	111	%.	70-130		5		09/04/20 20:06	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		5		09/04/20 20:06	17060-07-0	
Toluene-d8 (S)	102	%.	70-130		5		09/04/20 20:06	2037-26-5	
Dibromofluoromethane (S)	94	%.	70-130		5		09/04/20 20:06	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380296

Sample: CO02-PZM006 **Lab ID: 30380296009** Collected: 09/01/20 14:40 Received: 09/01/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		09/04/20 22:36	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 22:36	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 22:36	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 22:36	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 22:36	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 22:36	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 22:36	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		09/04/20 22:36	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 22:36	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 22:36	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 22:36	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 22:36	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 22:36	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		09/04/20 22:36	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		09/04/20 22:36	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		09/04/20 22:36	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		09/04/20 22:36	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		09/04/20 22:36	107-13-1	
Benzene	**133000**	ug/L	1000	338	1000		09/04/20 23:01	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		09/04/20 22:36	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 22:36	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		09/04/20 22:36	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		09/04/20 22:36	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 22:36	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		09/04/20 22:36	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		09/04/20 22:36	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 22:36	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 22:36	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 22:36	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		09/04/20 22:36	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		09/04/20 22:36	74-95-3	
Ethylbenzene	**218**	ug/L	5.0	2.0	5		09/04/20 22:36	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		09/04/20 22:36	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		09/04/20 22:36	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		09/04/20 22:36	75-09-2	
Naphthalene	**175**	ug/L	10.0	4.1	5		09/04/20 22:36	91-20-3	
Styrene	**4.0J**	ug/L	5.0	1.6	5		09/04/20 22:36	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		09/04/20 22:36	127-18-4	
Toluene	**46.7**	ug/L	5.0	1.6	5		09/04/20 22:36	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		09/04/20 22:36	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		09/04/20 22:36	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		09/04/20 22:36	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 22:36	75-01-4	
Xylene (Total)	**229**	ug/L	15.0	6.8	5		09/04/20 22:36	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		09/04/20 22:36	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30380296

Sample: CO02-PZM006 **Lab ID: 30380296009** Collected: 09/01/20 14:40 Received: 09/01/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 22:36	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		09/04/20 22:36	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		09/04/20 22:36	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		09/04/20 22:36	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	115	%.	70-130		5		09/04/20 22:36	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130		5		09/04/20 22:36	17060-07-0	
Toluene-d8 (S)	104	%.	70-130		5		09/04/20 22:36	2037-26-5	
Dibromofluoromethane (S)	81	%.	70-130		5		09/04/20 22:36	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30380296

QC Batch: 412702 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30380296001, 30380296002, 30380296003, 30380296004, 30380296005, 30380296006, 30380296007, 30380296008, 30380296009

METHOD BLANK: 1995966 Matrix: Water
Associated Lab Samples: 30380296001, 30380296002, 30380296003, 30380296004, 30380296005, 30380296006, 30380296007, 30380296008, 30380296009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	09/04/20 16:20	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	09/04/20 16:20	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	09/04/20 16:20	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	09/04/20 16:20	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	09/04/20 16:20	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	09/04/20 16:20	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	09/04/20 16:20	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	09/04/20 16:20	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	09/04/20 16:20	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	09/04/20 16:20	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	09/04/20 16:20	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	09/04/20 16:20	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	09/04/20 16:20	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	09/04/20 16:20	
2-Hexanone	ug/L	10.0 U	10.0	0.58	09/04/20 16:20	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	09/04/20 16:20	
Acetone	ug/L	10.0 U	10.0	5.6	09/04/20 16:20	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	09/04/20 16:20	
Benzene	ug/L	1.0 U	1.0	0.34	09/04/20 16:20	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	09/04/20 16:20	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	09/04/20 16:20	
Bromoform	ug/L	1.0 U	1.0	0.56	09/04/20 16:20	
Bromomethane	ug/L	1.0 U	1.0	0.73	09/04/20 16:20	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	09/04/20 16:20	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	09/04/20 16:20	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	09/04/20 16:20	
Chloroethane	ug/L	1.0 U	1.0	0.64	09/04/20 16:20	
Chloroform	ug/L	1.0 U	1.0	0.39	09/04/20 16:20	
Chloromethane	ug/L	1.0 U	1.0	0.40	09/04/20 16:20	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	09/04/20 16:20	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	09/04/20 16:20	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	09/04/20 16:20	
Dibromomethane	ug/L	1.0 U	1.0	0.34	09/04/20 16:20	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	09/04/20 16:20	
Iodomethane	ug/L	50.0 U	50.0	0.52	09/04/20 16:20	CL
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	09/04/20 16:20	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	09/04/20 16:20	
Naphthalene	ug/L	2.0 U	2.0	0.82	09/04/20 16:20	
Styrene	ug/L	1.0 U	1.0	0.33	09/04/20 16:20	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30380296

METHOD BLANK: 1995966 Matrix: Water

Associated Lab Samples: 30380296001, 30380296002, 30380296003, 30380296004, 30380296005, 30380296006, 30380296007, 30380296008, 30380296009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	09/04/20 16:20	
Toluene	ug/L	1.0 U	1.0	0.32	09/04/20 16:20	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	09/04/20 16:20	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	09/04/20 16:20	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	09/04/20 16:20	
Trichloroethene	ug/L	1.0 U	1.0	0.29	09/04/20 16:20	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	09/04/20 16:20	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	09/04/20 16:20	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	09/04/20 16:20	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	09/04/20 16:20	
1,2-Dichloroethane-d4 (S)	%.	111	70-130		09/04/20 16:20	
4-Bromofluorobenzene (S)	%.	110	70-130		09/04/20 16:20	
Dibromofluoromethane (S)	%.	103	70-130		09/04/20 16:20	
Toluene-d8 (S)	%.	100	70-130		09/04/20 16:20	

LABORATORY CONTROL SAMPLE: 1995967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.1	96	70-130	
1,1,1-Trichloroethane	ug/L	20	21.1	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.2	106	70-130	
1,1,2-Trichloroethane	ug/L	20	21.2	106	70-130	
1,1-Dichloroethane	ug/L	20	19.8	99	70-130	
1,1-Dichloroethene	ug/L	20	18.2	91	70-130	
1,2,3-Trichloropropane	ug/L	20	21.1	106	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	19.9	100	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	19.5	97	70-130	
1,2-Dichlorobenzene	ug/L	20	20.4	102	70-130	
1,2-Dichloroethane	ug/L	20	19.4	97	70-130	
1,2-Dichloropropane	ug/L	20	19.5	98	70-130	
1,4-Dichlorobenzene	ug/L	20	19.6	98	70-130	
2-Butanone (MEK)	ug/L	20	21.5	107	70-130	
2-Hexanone	ug/L	20	18.3	92	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	19.0	95	70-130	
Acetone	ug/L	20	19.3	97	67-173	
Acrylonitrile	ug/L	20	17.8	89	56-147	
Benzene	ug/L	20	20.2	101	70-130	
Bromochloromethane	ug/L	20	18.5	92	70-130	
Bromodichloromethane	ug/L	20	20.5	102	70-130	
Bromoform	ug/L	20	19.5	97	63-119	
Bromomethane	ug/L	20	22.1	110	24-159	
Carbon disulfide	ug/L	20	19.4	97	57-132	
Carbon tetrachloride	ug/L	20	19.6	98	70-130	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30380296

LABORATORY CONTROL SAMPLE: 1995967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	20	20.2	101	70-130	
Chloroethane	ug/L	20	23.9	119	62-145	
Chloroform	ug/L	20	19.1	95	70-130	
Chloromethane	ug/L	20	14.7	74	66-140	
cis-1,2-Dichloroethene	ug/L	20	17.5	88	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.8	94	70-130	
Dibromochloromethane	ug/L	20	19.0	95	70-130	
Dibromomethane	ug/L	20	17.4	87	70-130	
Ethylbenzene	ug/L	20	19.9	100	70-130	
Iodomethane	ug/L	20	8.2J	41	10-175	CL
Methyl-tert-butyl ether	ug/L	20	20.4	102	70-130	
Methylene Chloride	ug/L	20	17.3	86	70-130	
Naphthalene	ug/L	20	20.1	101	55-160	
Styrene	ug/L	20	19.5	97	70-130	
Tetrachloroethene	ug/L	20	20.4	102	70-130	
Toluene	ug/L	20	20.5	102	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.7	98	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.7	99	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	18.4	92	48-131	
Trichloroethene	ug/L	20	20.0	100	70-130	
Trichlorofluoromethane	ug/L	20	21.2	106	70-130	
Vinyl acetate	ug/L	20	18.1	90	33-128	
Vinyl chloride	ug/L	20	17.8	89	70-130	
Xylene (Total)	ug/L	60	57.2	95	70-130	
1,2-Dichloroethane-d4 (S)	%.			102	70-130	
4-Bromofluorobenzene (S)	%.			104	70-130	
Dibromofluoromethane (S)	%.			98	70-130	
Toluene-d8 (S)	%.			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1995968 1995969

Parameter	Units	30380296008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	5.0 U	100	100	79.1	82.2	79	82	59-117	4	30	
1,1,1-Trichloroethane	ug/L	5.0 U	100	100	94.4	92.8	94	93	55-146	2	30	
1,1,2,2-Tetrachloroethane	ug/L	5.0 U	100	100	84.6	88.4	85	88	55-118	4	30	
1,1,2-Trichloroethane	ug/L	5.0 U	100	100	87.4	91.3	87	91	61-122	4	30	
1,1-Dichloroethane	ug/L	5.0 U	100	100	87.5	86.2	87	86	59-130	1	30	
1,1-Dichloroethene	ug/L	5.0 U	100	100	86.9	80.8	87	81	52-119	7	30	
1,2,3-Trichloropropane	ug/L	5.0 U	100	100	78.1	91.6	78	92	59-117	16	30	
1,2-Dibromo-3-chloropropane	ug/L	25.0 U	100	100	58.7	62.0	59	62	32-112	5	30	
1,2-Dibromoethane (EDB)	ug/L	5.0 U	100	100	80.8	84.5	81	85	61-116	5	30	
1,2-Dichlorobenzene	ug/L	5.0 U	100	100	81.7	86.2	82	86	58-126	5	30	
1,2-Dichloroethane	ug/L	5.0 U	100	100	82.5	89.9	83	90	49-135	9	30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30380296

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1995968 1995969

Parameter	Units	30380296008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloropropane	ug/L	5.0 U	100	100	88.4	91.6	88	92	67-121	4	30	
1,4-Dichlorobenzene	ug/L	5.0 U	100	100	80.8	84.1	81	84	60-121	4	30	
2-Butanone (MEK)	ug/L	50.0 U	100	100	71.5	72.7	71	73	59-138	2	30	
2-Hexanone	ug/L	50.0 U	100	100	74.3	70.1	74	70	66-123	6	30	
4-Methyl-2-pentanone (MIBK)	ug/L	50.0 U	100	100	71.6	72.8	72	73	70-130	2	30	
Acetone	ug/L	50.0 U	100	100	62.2	63.0	62	63	57-140	1	30	
Acrylonitrile	ug/L	20.0 U	100	100	68.1	52.3	68	52	47-134	26	30	
Benzene	ug/L	15100	2000	2000	16500	15800	71	34	50-149	5	30	ML
Bromochloromethane	ug/L	5.0 U	100	100	78.6	79.5	79	79	63-120	1	30	
Bromodichloromethane	ug/L	5.0 U	100	100	83.6	83.7	84	84	46-131	0	30	
Bromoform	ug/L	5.0 U	100	100	62.1	68.5	62	69	30-119	10	30	
Bromomethane	ug/L	5.0 U	100	100	41.5	63.3	42	63	10-163	42	30	R1
Carbon disulfide	ug/L	5.0 U	100	100	86.1	83.1	86	83	41-116	4	30	
Carbon tetrachloride	ug/L	5.0 U	100	100	79.5	81.2	80	81	55-119	2	30	
Chlorobenzene	ug/L	5.0 U	100	100	88.9	92.0	89	92	66-124	3	30	
Chloroethane	ug/L	5.0 U	100	100	128	131	128	131	45-162	2	30	
Chloroform	ug/L	5.0 U	100	100	78.5	83.7	79	84	56-123	6	30	
Chloromethane	ug/L	5.0 U	100	100	65.1	64.2	65	64	49-150	1	30	
cis-1,2-Dichloroethene	ug/L	5.0 U	100	100	80.7	83.0	81	83	63-116	3	30	
cis-1,3-Dichloropropene	ug/L	5.0 U	100	100	79.8	81.1	80	81	46-119	2	30	
Dibromochloromethane	ug/L	5.0 U	100	100	76.2	77.1	76	77	42-120	1	30	
Dibromomethane	ug/L	5.0 U	100	100	72.6	73.4	73	73	55-117	1	30	
Ethylbenzene	ug/L	17.8	100	100	104	107	86	89	63-135	3	30	
Iodomethane	ug/L	250 U	100	100	18.4J	41.0J	18	41	10-175		30	CL
Methyl-tert-butyl ether	ug/L	5.0 U	100	100	84.8	84.1	85	84	53-123	1	30	
Methylene Chloride	ug/L	5.0 U	100	100	80.6	76.2	81	76	57-132	6	30	
Naphthalene	ug/L	772	100	100	694	698	-79	-74	30-157	1	30	ML
Styrene	ug/L	5.6	100	100	89.5	88.9	84	83	58-130	1	30	
Tetrachloroethene	ug/L	5.0 U	100	100	89.0	92.5	89	92	61-132	4	30	
Toluene	ug/L	909	100	100	968	929	59	20	59-139	4	30	ML
trans-1,2-Dichloroethene	ug/L	5.0 U	100	100	88.9	88.7	89	89	60-124	0	30	
trans-1,3-Dichloropropene	ug/L	5.0 U	100	100	82.4	85.9	82	86	48-121	4	30	
trans-1,4-Dichloro-2-butene	ug/L	25.0 U	100	100	55.6	61.2	56	61	10-111	10	30	
Trichloroethene	ug/L	5.0 U	100	100	90.8	93.1	91	93	63-128	2	30	
Trichlorofluoromethane	ug/L	5.0 U	100	100	101	93.5	101	94	70-152	8	30	
Vinyl acetate	ug/L	5.0 U	100	100	72.1	68.5	72	69	23-102	5	30	
Vinyl chloride	ug/L	5.0 U	100	100	80.7	79.8	81	80	67-141	1	30	
Xylene (Total)	ug/L	189	300	300	428	436	80	82	63-135	2	30	
1,2-Dichloroethane-d4 (S)	%.						110	99	70-130			
4-Bromofluorobenzene (S)	%.						108	108	70-130			
Dibromofluoromethane (S)	%.						94	92	70-130			
Toluene-d8 (S)	%.						104	103	70-130			

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REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30380296

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30380296

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30380296001	**Trip Blank**	EPA 8260B	412702		
30380296002	**CO40-PZM008**	EPA 8260B	412702		
30380296003	**CO41-PZM001**	EPA 8260B	412702		
30380296004	**CO41-PZM036**	EPA 8260B	412702		
30380296005	**CO30-PZM015**	EPA 8260B	412702		
30380296006	**CO30-PZM060**	EPA 8260B	412702		
30380296007	**CO103-PZMXXX**	EPA 8260B	412702		
30380296008	**CO102-PZMXXX**	EPA 8260B	412702		
30380296009	**CO02-PZM006**	EPA 8260B	412702		

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WO# : 30380296

30380296

Client Information:	Section B Required Project Information:	Section C Invoice Information:
EnviroAnalytics Group	Report To: James Calenda	Attention: Laura Sargent
1600 Sparrows Point Blvd, Suite B2	Copy To: Stewart Kabis	Company Name: EnviroAnalytics Group
Sparrows Point, MD 21219		Address: 1650 Des Peres Road, Suite 303 St. Louis, MO 63131
jcalenda@enviroanalyticsgroup.com	Purchase Order No.: EAG-SPT-6989	Pace Quote Reference:
14-620-3056 Fax:	Project Name: COA IM GW Sampling	Pace Project Manager: Samantha Bayura
Due Date/TAT: 5 Day	Project Number:	Pace Profile #:

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MD

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: VOC + NAPH by 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
Trip Blank	WT	G			9/1/20	—		2				2						X		001
C040-PZM008	WT	G				820		3				3						X		002
C041-PZM001	WT	G				920		3				3						X		003
C041-PZM036	WT	G				1010		3				3						X		004
C030-PZM015	WT	G				1100		3				3						X		005
C030-PZM060	WT	G				1215		3				3						X		006
C103-PZMXXX	WT	G				1340		3				3						X		007
C102-PZMXXX	WT	G				1545		3				3						X		008
C002-PZM006	WT	G				1940		3				3						X		009

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NO		9/1/20	1600	/PACE	9/1/20	1600				
NO	/PACE	9/1/20	1900	PACE	9-1-20	1915		X		
	PACE	9-1-20	2215	Marissa L Clary	9/2/20	2215	3.2	Y	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Lisa Perrin
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 9/1/20

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

#-30380296

Pace Analytical

Client Name: EnviroAnalytics Group Project # _____

Label MLC
LIMS Login MLC

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____

Tracking #: N/A

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Thermometer Used 11 Type of Ice: Wet Blue None

Cooler Temperature Observed Temp 3.6 °C Correction Factor: .4 °C Final Temp: 3.2 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# N/A	Date and Initials of person examining contents: MLC 9/1/2020
Chain of Custody Present:	✓			1.	
Chain of Custody Filled Out:	✓			2.	
Chain of Custody Relinquished:	✓			3.	
Sampler Name & Signature on COC:	✓			4.	
Sample Labels match COC:	✓			5.	
-Includes date/time/ID Matrix: WT					
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):		✓		7.	
Rush Turn Around Time Requested:	✓			8.	
Sufficient Volume:	✓			9.	
Correct Containers Used:	✓			10.	
-Pace Containers Used:	✓				
Containers Intact:	✓			11.	
Orthophosphate field filtered			✓	12.	
Hex Cr Aqueous sample field filtered			✓	13.	
Organic Samples checked for dechlorination:			✓	14.	
Filtered volume received for Dissolved tests			✓	15.	
All containers have been checked for preservation.		✓		16.	
exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix					
All containers meet method preservation requirements.	✓			Initial when completed MLC	Date/time of preservation
				Lot # of added preservative	
Headspace in VOA Vials (>6mm):		✓		17.	
Trip Blank Present:	✓			18.	
Trip Blank Custody Seals Present	✓				
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed:	Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

September 18, 2020

Mr. Matthew Newman
Tradepoint Atlantic
1600 Sparrow's Point Boulevard
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30381367

Dear Mr. Newman:

Enclosed are the analytical results for sample(s) received by the laboratory on September 08, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

cc: Ms. Penny Gardner, Environmental Data Quality, Inc.
J.Price, ARM Group Inc.
Mr. Stewart Kabis, ARM Group Inc.
Mr. Eric S. Magdar, ARM Group Inc.
Ms. Shawne M. Rodgers, Environmental Data Quality, Inc.

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Greensburg, PA 15601
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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30381367

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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Greensburg, PA 15601
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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30381367

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30381367001	**Trip Blank**	Water	09/08/20 00:01	09/08/20 22:30
30381367002	**CO101-PZMXXX**	Water	09/08/20 10:10	09/08/20 22:30
30381367003	**CO93-PZMXXX**	Water	09/08/20 11:00	09/08/20 22:30
30381367004	**CO18-PZM016**	Water	09/08/20 11:45	09/08/20 22:30
30381367005	**CO24-PZM007**	Water	09/08/20 13:40	09/08/20 22:30
30381367006	**CO23-PZM008**	Water	09/08/20 14:20	09/08/20 22:30
30381367007	**CO59-PZP002**	Water	09/08/20 15:00	09/08/20 22:30
30381367008	**CO56-PZP001**	Water	09/08/20 15:30	09/08/20 22:30

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Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30381367

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30381367001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30381367002	**CO101-PZMXXX**	EPA 8260B	LEL	53	PASI-PA
30381367003	**CO93-PZMXXX**	EPA 8260B	LEL	53	PASI-PA
30381367004	**CO18-PZM016**	EPA 8260B	LEL	53	PASI-PA
30381367005	**CO24-PZM007**	EPA 8260B	LEL	53	PASI-PA
30381367006	**CO23-PZM008**	EPA 8260B	LEL	53	PASI-PA
30381367007	**CO59-PZP002**	EPA 8260B	LEL	53	PASI-PA
30381367008	**CO56-PZP001**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30381367

Sample: Trip Blank **Lab ID: 30381367001** Collected: 09/08/20 00:01 Received: 09/08/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		09/17/20 13:59	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 13:59	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		09/17/20 13:59	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 13:59	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		09/17/20 13:59	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		09/17/20 13:59	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		09/17/20 13:59	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		09/17/20 13:59	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		09/17/20 13:59	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 13:59	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 13:59	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		09/17/20 13:59	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		09/17/20 13:59	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		09/17/20 13:59	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		09/17/20 13:59	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		09/17/20 13:59	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		09/17/20 13:59	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		09/17/20 13:59	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		09/17/20 13:59	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		09/17/20 13:59	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		09/17/20 13:59	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		09/17/20 13:59	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		09/17/20 13:59	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 13:59	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		09/17/20 13:59	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		09/17/20 13:59	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		09/17/20 13:59	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		09/17/20 13:59	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		09/17/20 13:59	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		09/17/20 13:59	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		09/17/20 13:59	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		09/17/20 13:59	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		09/17/20 13:59	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		09/17/20 13:59	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		09/17/20 13:59	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		09/17/20 13:59	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 13:59	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		09/17/20 13:59	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 13:59	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 13:59	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		09/17/20 13:59	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		09/17/20 13:59	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 13:59	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		09/17/20 13:59	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 13:59	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30381367

Sample: Trip Blank **Lab ID: 30381367001** Collected: 09/08/20 00:01 Received: 09/08/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 13:59	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		09/17/20 13:59	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 13:59	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		09/17/20 13:59	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	114	%.	70-130		1		09/17/20 13:59	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%.	70-130		1		09/17/20 13:59	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		09/17/20 13:59	2037-26-5	
Dibromofluoromethane (S)	103	%.	70-130		1		09/17/20 13:59	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30381367

Sample: CO101-PZMXXX **Lab ID: 30381367002** Collected: 09/08/20 10:10 Received: 09/08/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		09/17/20 16:05	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 16:05	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		09/17/20 16:05	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 16:05	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		09/17/20 16:05	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		09/17/20 16:05	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		09/17/20 16:05	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		09/17/20 16:05	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		09/17/20 16:05	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 16:05	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 16:05	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		09/17/20 16:05	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		09/17/20 16:05	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		09/17/20 16:05	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		09/17/20 16:05	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		09/17/20 16:05	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		09/17/20 16:05	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		09/17/20 16:05	107-13-1	
Benzene	**397**	ug/L	1.0	0.34	1		09/17/20 16:05	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		09/17/20 16:05	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		09/17/20 16:05	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		09/17/20 16:05	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		09/17/20 16:05	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 16:05	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		09/17/20 16:05	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		09/17/20 16:05	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		09/17/20 16:05	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		09/17/20 16:05	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		09/17/20 16:05	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		09/17/20 16:05	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		09/17/20 16:05	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		09/17/20 16:05	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		09/17/20 16:05	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		09/17/20 16:05	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		09/17/20 16:05	75-09-2	
Naphthalene	**21.4**	ug/L	2.0	0.82	1		09/17/20 16:05	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 16:05	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		09/17/20 16:05	127-18-4	
Toluene	**21.9**	ug/L	1.0	0.32	1		09/17/20 16:05	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 16:05	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		09/17/20 16:05	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		09/17/20 16:05	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 16:05	75-01-4	
Xylene (Total)	**5.1**	ug/L	3.0	1.4	1		09/17/20 16:05	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 16:05	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30381367

Sample: CO101-PZMXXX **Lab ID: 30381367002** Collected: 09/08/20 10:10 Received: 09/08/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 16:05	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		09/17/20 16:05	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 16:05	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		09/17/20 16:05	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	116	%.	70-130		1		09/17/20 16:05	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130		1		09/17/20 16:05	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		1		09/17/20 16:05	2037-26-5	
Dibromofluoromethane (S)	92	%.	70-130		1		09/17/20 16:05	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30381367

Sample: CO93-PZMXXX **Lab ID: 30381367003** Collected: 09/08/20 11:00 Received: 09/08/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		09/18/20 13:58	630-20-6	M5
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		09/18/20 13:58	71-55-6	M5
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		09/18/20 13:58	79-34-5	M5
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		09/18/20 13:58	79-00-5	M5
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		09/18/20 13:58	75-34-3	M5
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		09/18/20 13:58	75-35-4	M5
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		09/18/20 13:58	96-18-4	M5
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		09/18/20 13:58	96-12-8	M5
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		09/18/20 13:58	106-93-4	M5
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		09/18/20 13:58	95-50-1	M5
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		09/18/20 13:58	107-06-2	M5
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		09/18/20 13:58	78-87-5	M5
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		09/18/20 13:58	106-46-7	M5
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		09/18/20 13:58	78-93-3	M5
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		09/18/20 13:58	591-78-6	M5
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		09/18/20 13:58	108-10-1	M5
Acetone	**50.0 U**	ug/L	50.0	28.0	5		09/18/20 13:58	67-64-1	M5
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		09/18/20 13:58	107-13-1	M5
Benzene	**183000**	ug/L	1000	338	1000		09/18/20 14:23	71-43-2	M5
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		09/18/20 13:58	74-97-5	M5
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		09/18/20 13:58	75-27-4	M5
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		09/18/20 13:58	75-25-2	M5
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		09/18/20 13:58	74-83-9	CH,M5
Carbon disulfide	**11.5**	ug/L	5.0	1.6	5		09/18/20 13:58	75-15-0	M5
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		09/18/20 13:58	56-23-5	M5
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		09/18/20 13:58	108-90-7	M5
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		09/18/20 13:58	75-00-3	M5
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		09/18/20 13:58	67-66-3	M5
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		09/18/20 13:58	74-87-3	M5
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		09/18/20 13:58	124-48-1	M5
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		09/18/20 13:58	74-95-3	M5
Ethylbenzene	**1190**	ug/L	5.0	2.0	5		09/18/20 13:58	100-41-4	M5
Iodomethane	**250 U**	ug/L	250	2.6	5		09/18/20 13:58	74-88-4	M5
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		09/18/20 13:58	1634-04-4	M5
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		09/18/20 13:58	75-09-2	M5
Naphthalene	**6240**	ug/L	2000	819	1000		09/18/20 14:23	91-20-3	M5
Styrene	**1290**	ug/L	5.0	1.6	5		09/18/20 13:58	100-42-5	M5
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		09/18/20 13:58	127-18-4	M5
Toluene	**68400**	ug/L	1000	317	1000		09/18/20 14:23	108-88-3	M5
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		09/18/20 13:58	79-01-6	M5
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		09/18/20 13:58	75-69-4	M5
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		09/18/20 13:58	108-05-4	M5
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		09/18/20 13:58	75-01-4	M5
Xylene (Total)	**14600**	ug/L	3000	1350	1000		09/18/20 14:23	1330-20-7	M5
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		09/18/20 13:58	156-59-2	M5

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30381367

Sample: CO93-PZMXXX **Lab ID: 30381367003** Collected: 09/08/20 11:00 Received: 09/08/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		09/18/20 13:58	10061-01-5	M5
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		09/18/20 13:58	156-60-5	M5
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		09/18/20 13:58	10061-02-6	M5
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		09/18/20 13:58	110-57-6	M5
Surrogates									
4-Bromofluorobenzene (S)	98	%.	70-130		5		09/18/20 13:58	460-00-4	M5
1,2-Dichloroethane-d4 (S)	98	%.	70-130		5		09/18/20 13:58	17060-07-0	M5
Toluene-d8 (S)	103	%.	70-130		5		09/18/20 13:58	2037-26-5	M5
Dibromofluoromethane (S)	83	%.	70-130		5		09/18/20 13:58	1868-53-7	M5

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30381367

Sample: CO18-PZM016 **Lab ID: 30381367004** Collected: 09/08/20 11:45 Received: 09/08/20 22:30 Matrix: Water
Comments: • Headspace in one vial.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		09/18/20 14:49	630-20-6	M5
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		09/18/20 14:49	71-55-6	M5
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		09/18/20 14:49	79-34-5	M5
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		09/18/20 14:49	79-00-5	M5
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		09/18/20 14:49	75-34-3	M5
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		09/18/20 14:49	75-35-4	M5
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		09/18/20 14:49	96-18-4	M5
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		09/18/20 14:49	96-12-8	M5
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		09/18/20 14:49	106-93-4	M5
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		09/18/20 14:49	95-50-1	M5
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		09/18/20 14:49	107-06-2	M5
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		09/18/20 14:49	78-87-5	M5
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		09/18/20 14:49	106-46-7	M5
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		09/18/20 14:49	78-93-3	M5
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		09/18/20 14:49	591-78-6	M5
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		09/18/20 14:49	108-10-1	M5
Acetone	**50.0 U**	ug/L	50.0	28.0	5		09/18/20 14:49	67-64-1	M5
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		09/18/20 14:49	107-13-1	M5
Benzene	**494000**	ug/L	2000	676	2000		09/18/20 15:14	71-43-2	M5
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		09/18/20 14:49	74-97-5	M5
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		09/18/20 14:49	75-27-4	M5
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		09/18/20 14:49	75-25-2	M5
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		09/18/20 14:49	74-83-9	CH,M5
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		09/18/20 14:49	75-15-0	M5
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		09/18/20 14:49	56-23-5	M5
Chlorobenzene	**1.4J**	ug/L	5.0	1.3	5		09/18/20 14:49	108-90-7	M5
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		09/18/20 14:49	75-00-3	M5
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		09/18/20 14:49	67-66-3	M5
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		09/18/20 14:49	74-87-3	M5
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		09/18/20 14:49	124-48-1	M5
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		09/18/20 14:49	74-95-3	M5
Ethylbenzene	**73.4**	ug/L	5.0	2.0	5		09/18/20 14:49	100-41-4	M5
Iodomethane	**250 U**	ug/L	250	2.6	5		09/18/20 14:49	74-88-4	M5
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		09/18/20 14:49	1634-04-4	M5
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		09/18/20 14:49	75-09-2	M5
Naphthalene	**150**	ug/L	10.0	4.1	5		09/18/20 14:49	91-20-3	M5
Styrene	**5.0 U**	ug/L	5.0	1.6	5		09/18/20 14:49	100-42-5	M5
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		09/18/20 14:49	127-18-4	M5
Toluene	**10500**	ug/L	2000	634	2000		09/18/20 15:14	108-88-3	M5
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		09/18/20 14:49	79-01-6	M5
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		09/18/20 14:49	75-69-4	M5
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		09/18/20 14:49	108-05-4	M5
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		09/18/20 14:49	75-01-4	M5
Xylene (Total)	**1600**	ug/L	15.0	6.8	5		09/18/20 14:49	1330-20-7	M5

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30381367

Sample: CO18-PZM016 **Lab ID: 30381367004** Collected: 09/08/20 11:45 Received: 09/08/20 22:30 Matrix: Water
Comments: • Headspace in one vial.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		09/18/20 14:49	156-59-2	M5
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		09/18/20 14:49	10061-01-5	M5
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		09/18/20 14:49	156-60-5	M5
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		09/18/20 14:49	10061-02-6	M5
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		09/18/20 14:49	110-57-6	M5
Surrogates									
4-Bromofluorobenzene (S)	108	%.	70-130		5		09/18/20 14:49	460-00-4	M5
1,2-Dichloroethane-d4 (S)	102	%.	70-130		5		09/18/20 14:49	17060-07-0	M5
Toluene-d8 (S)	102	%.	70-130		5		09/18/20 14:49	2037-26-5	M5
Dibromofluoromethane (S)	79	%.	70-130		5		09/18/20 14:49	1868-53-7	M5

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30381367

Sample: CO24-PZM007 **Lab ID: 30381367005** Collected: 09/08/20 13:40 Received: 09/08/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		09/17/20 16:30	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 16:30	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		09/17/20 16:30	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 16:30	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		09/17/20 16:30	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		09/17/20 16:30	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		09/17/20 16:30	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		09/17/20 16:30	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		09/17/20 16:30	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 16:30	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 16:30	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		09/17/20 16:30	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		09/17/20 16:30	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		09/17/20 16:30	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		09/17/20 16:30	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		09/17/20 16:30	108-10-1	
Acetone	**10.4**	ug/L	10.0	5.6	1		09/17/20 16:30	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		09/17/20 16:30	107-13-1	
Benzene	**2.1**	ug/L	1.0	0.34	1		09/17/20 16:30	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		09/17/20 16:30	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		09/17/20 16:30	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		09/17/20 16:30	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		09/17/20 16:30	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 16:30	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		09/17/20 16:30	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		09/17/20 16:30	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		09/17/20 16:30	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		09/17/20 16:30	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		09/17/20 16:30	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		09/17/20 16:30	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		09/17/20 16:30	74-95-3	
Ethylbenzene	**2.8**	ug/L	1.0	0.40	1		09/17/20 16:30	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		09/17/20 16:30	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		09/17/20 16:30	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		09/17/20 16:30	75-09-2	
Naphthalene	**1110**	ug/L	40.0	16.4	20		09/17/20 16:18	91-20-3	CL
Styrene	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 16:30	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		09/17/20 16:30	127-18-4	
Toluene	**1.3**	ug/L	1.0	0.32	1		09/17/20 16:30	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 16:30	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		09/17/20 16:30	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		09/17/20 16:30	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 16:30	75-01-4	
Xylene (Total)	**4.1**	ug/L	3.0	1.4	1		09/17/20 16:30	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 16:30	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30381367

Sample: CO24-PZM007 **Lab ID: 30381367005** Collected: 09/08/20 13:40 Received: 09/08/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 16:30	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		09/17/20 16:30	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 16:30	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		09/17/20 16:30	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%.	70-130		1		09/17/20 16:30	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		1		09/17/20 16:30	17060-07-0	
Toluene-d8 (S)	98	%.	70-130		1		09/17/20 16:30	2037-26-5	
Dibromofluoromethane (S)	99	%.	70-130		1		09/17/20 16:30	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30381367

Sample: CO23-PZM008 **Lab ID: 30381367006** Collected: 09/08/20 14:20 Received: 09/08/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		09/17/20 17:46	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		09/17/20 17:46	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		09/17/20 17:46	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		09/17/20 17:46	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		09/17/20 17:46	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		09/17/20 17:46	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		09/17/20 17:46	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		09/17/20 17:46	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		09/17/20 17:46	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		09/17/20 17:46	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		09/17/20 17:46	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		09/17/20 17:46	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		09/17/20 17:46	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		09/17/20 17:46	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		09/17/20 17:46	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		09/17/20 17:46	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		09/17/20 17:46	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		09/17/20 17:46	107-13-1	
Benzene	**473**	ug/L	5.0	1.7	5		09/17/20 17:46	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		09/17/20 17:46	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		09/17/20 17:46	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		09/17/20 17:46	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		09/17/20 17:46	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		09/17/20 17:46	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		09/17/20 17:46	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		09/17/20 17:46	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		09/17/20 17:46	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		09/17/20 17:46	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		09/17/20 17:46	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		09/17/20 17:46	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		09/17/20 17:46	74-95-3	
Ethylbenzene	**18.6**	ug/L	5.0	2.0	5		09/17/20 17:46	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		09/17/20 17:46	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		09/17/20 17:46	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		09/17/20 17:46	75-09-2	
Naphthalene	**1860**	ug/L	10.0	4.1	5		09/17/20 17:46	91-20-3	
Styrene	**15.0**	ug/L	5.0	1.6	5		09/17/20 17:46	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		09/17/20 17:46	127-18-4	
Toluene	**172**	ug/L	5.0	1.6	5		09/17/20 17:46	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		09/17/20 17:46	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		09/17/20 17:46	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		09/17/20 17:46	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		09/17/20 17:46	75-01-4	
Xylene (Total)	**289**	ug/L	15.0	6.8	5		09/17/20 17:46	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		09/17/20 17:46	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30381367

Sample: CO23-PZM008 **Lab ID: 30381367006** Collected: 09/08/20 14:20 Received: 09/08/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		09/17/20 17:46	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		09/17/20 17:46	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		09/17/20 17:46	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		09/17/20 17:46	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		5		09/17/20 17:46	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		5		09/17/20 17:46	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		5		09/17/20 17:46	2037-26-5	
Dibromofluoromethane (S)	100	%.	70-130		5		09/17/20 17:46	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30381367

Sample: CO59-PZP002 **Lab ID: 30381367007** Collected: 09/08/20 15:00 Received: 09/08/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		09/17/20 15:40	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 15:40	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		09/17/20 15:40	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 15:40	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		09/17/20 15:40	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		09/17/20 15:40	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		09/17/20 15:40	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		09/17/20 15:40	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		09/17/20 15:40	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 15:40	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 15:40	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		09/17/20 15:40	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		09/17/20 15:40	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		09/17/20 15:40	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		09/17/20 15:40	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		09/17/20 15:40	108-10-1	
Acetone	**9.3J**	ug/L	10.0	5.6	1		09/17/20 15:40	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		09/17/20 15:40	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		09/17/20 15:40	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		09/17/20 15:40	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		09/17/20 15:40	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		09/17/20 15:40	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		09/17/20 15:40	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 15:40	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		09/17/20 15:40	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		09/17/20 15:40	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		09/17/20 15:40	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		09/17/20 15:40	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		09/17/20 15:40	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		09/17/20 15:40	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		09/17/20 15:40	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		09/17/20 15:40	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		09/17/20 15:40	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		09/17/20 15:40	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		09/17/20 15:40	75-09-2	
Naphthalene	**68.6**	ug/L	2.0	0.82	1		09/17/20 15:40	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 15:40	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		09/17/20 15:40	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 15:40	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 15:40	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		09/17/20 15:40	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		09/17/20 15:40	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 15:40	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		09/17/20 15:40	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 15:40	156-59-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30381367

Sample: CO59-PZP002 **Lab ID: 30381367007** Collected: 09/08/20 15:00 Received: 09/08/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 15:40	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		09/17/20 15:40	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 15:40	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		09/17/20 15:40	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%.	70-130		1		09/17/20 15:40	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%.	70-130		1		09/17/20 15:40	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		1		09/17/20 15:40	2037-26-5	
Dibromofluoromethane (S)	100	%.	70-130		1		09/17/20 15:40	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30381367

Sample: CO56-PZP001 **Lab ID: 30381367008** Collected: 09/08/20 15:30 Received: 09/08/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		09/17/20 18:11	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		09/17/20 18:11	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		09/17/20 18:11	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		09/17/20 18:11	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		09/17/20 18:11	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		09/17/20 18:11	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		09/17/20 18:11	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		09/17/20 18:11	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		09/17/20 18:11	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		09/17/20 18:11	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		09/17/20 18:11	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		09/17/20 18:11	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		09/17/20 18:11	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		09/17/20 18:11	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		09/17/20 18:11	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		09/17/20 18:11	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		09/17/20 18:11	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		09/17/20 18:11	107-13-1	
Benzene	**224**	ug/L	5.0	1.7	5		09/17/20 18:11	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		09/17/20 18:11	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		09/17/20 18:11	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		09/17/20 18:11	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		09/17/20 18:11	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		09/17/20 18:11	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		09/17/20 18:11	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		09/17/20 18:11	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		09/17/20 18:11	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		09/17/20 18:11	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		09/17/20 18:11	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		09/17/20 18:11	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		09/17/20 18:11	74-95-3	
Ethylbenzene	**10.1**	ug/L	5.0	2.0	5		09/17/20 18:11	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		09/17/20 18:11	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		09/17/20 18:11	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		09/17/20 18:11	75-09-2	
Naphthalene	**1470**	ug/L	10.0	4.1	5		09/17/20 18:11	91-20-3	
Styrene	**27.6**	ug/L	5.0	1.6	5		09/17/20 18:11	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		09/17/20 18:11	127-18-4	
Toluene	**21.3**	ug/L	5.0	1.6	5		09/17/20 18:11	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		09/17/20 18:11	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		09/17/20 18:11	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		09/17/20 18:11	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		09/17/20 18:11	75-01-4	
Xylene (Total)	**195**	ug/L	15.0	6.8	5		09/17/20 18:11	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		09/17/20 18:11	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30381367

Sample: CO56-PZP001 **Lab ID: 30381367008** Collected: 09/08/20 15:30 Received: 09/08/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		09/17/20 18:11	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		09/17/20 18:11	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		09/17/20 18:11	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		09/17/20 18:11	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		5		09/17/20 18:11	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		5		09/17/20 18:11	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		5		09/17/20 18:11	2037-26-5	
Dibromofluoromethane (S)	101	%.	70-130		5		09/17/20 18:11	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30381367

QC Batch: 414388 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30381367001, 30381367002, 30381367005, 30381367006, 30381367007, 30381367008

METHOD BLANK: 2003878 Matrix: Water
Associated Lab Samples: 30381367001, 30381367002, 30381367005, 30381367006, 30381367007, 30381367008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	09/17/20 12:19	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	09/17/20 12:19	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	09/17/20 12:19	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	09/17/20 12:19	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	09/17/20 12:19	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	09/17/20 12:19	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	09/17/20 12:19	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	09/17/20 12:19	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	09/17/20 12:19	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	09/17/20 12:19	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	09/17/20 12:19	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	09/17/20 12:19	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	09/17/20 12:19	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	09/17/20 12:19	
2-Hexanone	ug/L	10.0 U	10.0	0.58	09/17/20 12:19	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	09/17/20 12:19	
Acetone	ug/L	10.0 U	10.0	5.6	09/17/20 12:19	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	09/17/20 12:19	
Benzene	ug/L	1.0 U	1.0	0.34	09/17/20 12:19	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	09/17/20 12:19	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	09/17/20 12:19	
Bromoform	ug/L	1.0 U	1.0	0.56	09/17/20 12:19	
Bromomethane	ug/L	1.0 U	1.0	0.73	09/17/20 12:19	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	09/17/20 12:19	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	09/17/20 12:19	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	09/17/20 12:19	
Chloroethane	ug/L	1.0 U	1.0	0.64	09/17/20 12:19	
Chloroform	ug/L	1.0 U	1.0	0.39	09/17/20 12:19	
Chloromethane	ug/L	1.0 U	1.0	0.40	09/17/20 12:19	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	09/17/20 12:19	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	09/17/20 12:19	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	09/17/20 12:19	
Dibromomethane	ug/L	1.0 U	1.0	0.34	09/17/20 12:19	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	09/17/20 12:19	
Iodomethane	ug/L	50.0 U	50.0	0.52	09/17/20 12:19	CL
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	09/17/20 12:19	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	09/17/20 12:19	
Naphthalene	ug/L	2.0 U	2.0	0.82	09/17/20 12:19	
Styrene	ug/L	1.0 U	1.0	0.33	09/17/20 12:19	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	09/17/20 12:19	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30381367

METHOD BLANK: 2003878 Matrix: Water
Associated Lab Samples: 30381367001, 30381367002, 30381367005, 30381367006, 30381367007, 30381367008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	09/17/20 12:19	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	09/17/20 12:19	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	09/17/20 12:19	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	09/17/20 12:19	
Trichloroethene	ug/L	1.0 U	1.0	0.29	09/17/20 12:19	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	09/17/20 12:19	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	09/17/20 12:19	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	09/17/20 12:19	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	09/17/20 12:19	
1,2-Dichloroethane-d4 (S)	%.	104	70-130		09/17/20 12:19	
4-Bromofluorobenzene (S)	%.	111	70-130		09/17/20 12:19	
Dibromofluoromethane (S)	%.	103	70-130		09/17/20 12:19	
Toluene-d8 (S)	%.	97	70-130		09/17/20 12:19	

LABORATORY CONTROL SAMPLE: 2003879

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.9	95	70-130	
1,1,1-Trichloroethane	ug/L	20	20.2	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.8	99	70-130	
1,1,2-Trichloroethane	ug/L	20	20.6	103	70-130	
1,1-Dichloroethane	ug/L	20	18.8	94	70-130	
1,1-Dichloroethene	ug/L	20	18.1	90	70-130	
1,2,3-Trichloropropane	ug/L	20	19.7	98	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	15.7	79	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	19.2	96	70-130	
1,2-Dichlorobenzene	ug/L	20	19.7	99	70-130	
1,2-Dichloroethane	ug/L	20	18.4	92	70-130	
1,2-Dichloropropane	ug/L	20	19.2	96	70-130	
1,4-Dichlorobenzene	ug/L	20	19.4	97	70-130	
2-Butanone (MEK)	ug/L	20	18.9	94	70-130	
2-Hexanone	ug/L	20	16.6	83	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	17.1	85	70-130	
Acetone	ug/L	20	16.9	85	67-173	
Acrylonitrile	ug/L	20	13.2	66	56-147	
Benzene	ug/L	20	20.3	101	70-130	
Bromochloromethane	ug/L	20	19.0	95	70-130	
Bromodichloromethane	ug/L	20	18.6	93	70-130	
Bromoform	ug/L	20	17.7	89	63-119	
Bromomethane	ug/L	20	12.6	63	24-159	
Carbon disulfide	ug/L	20	19.4	97	57-132	
Carbon tetrachloride	ug/L	20	18.9	94	70-130	
Chlorobenzene	ug/L	20	20.3	101	70-130	
Chloroethane	ug/L	20	22.7	113	62-145	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30381367

LABORATORY CONTROL SAMPLE: 2003879

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	20	19.0	95	70-130	
Chloromethane	ug/L	20	13.2	66	66-140	
cis-1,2-Dichloroethene	ug/L	20	17.4	87	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.7	93	70-130	
Dibromochloromethane	ug/L	20	17.9	90	70-130	
Dibromomethane	ug/L	20	16.9	85	70-130	
Ethylbenzene	ug/L	20	20.3	101	70-130	
Iodomethane	ug/L	20	4.3J	21	10-175	CL
Methyl-tert-butyl ether	ug/L	20	19.1	96	70-130	
Methylene Chloride	ug/L	20	16.2	81	70-130	
Naphthalene	ug/L	20	16.0	80	55-160	
Styrene	ug/L	20	19.3	96	70-130	
Tetrachloroethene	ug/L	20	21.4	107	70-130	
Toluene	ug/L	20	20.8	104	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.5	97	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.6	98	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	15.2	76	48-131	
Trichloroethene	ug/L	20	20.1	100	70-130	
Trichlorofluoromethane	ug/L	20	19.4	97	70-130	
Vinyl acetate	ug/L	20	16.0	80	33-128	
Vinyl chloride	ug/L	20	15.8	79	70-130	
Xylene (Total)	ug/L	60	58.9	98	70-130	
1,2-Dichloroethane-d4 (S)	%.			94	70-130	
4-Bromofluorobenzene (S)	%.			103	70-130	
Dibromofluoromethane (S)	%.			95	70-130	
Toluene-d8 (S)	%.			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2004220 2004221

Parameter	Units	30381950002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	20	20	14.2	17.0	71	85	59-117	18	30	
1,1,1-Trichloroethane	ug/L	1.0 U	20	20	17.4	20.7	87	103	55-146	17	30	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	20	20	15.7	18.3	79	92	55-118	15	30	
1,1,2-Trichloroethane	ug/L	1.0 U	20	20	15.6	18.9	78	95	61-122	19	30	
1,1-Dichloroethane	ug/L	1.0 U	20	20	16.2	19.3	81	96	59-130	18	30	
1,1-Dichloroethene	ug/L	1.0 U	20	20	15.6	19.1	78	95	52-119	20	30	
1,2,3-Trichloropropane	ug/L	1.0 U	20	20	15.2	18.4	76	92	59-117	19	30	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	20	20	10.6	12.5	53	62	32-112	16	30	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	20	20	13.7	17.0	68	85	61-116	22	30	
1,2-Dichlorobenzene	ug/L	1.0 U	20	20	15.9	18.5	80	92	58-126	15	30	
1,2-Dichloroethane	ug/L	1.0 U	20	20	14.6	17.6	73	88	49-135	19	30	
1,2-Dichloropropane	ug/L	1.0 U	20	20	15.6	19.1	78	96	67-121	20	30	
1,4-Dichlorobenzene	ug/L	1.0 U	20	20	15.4	18.2	77	91	60-121	17	30	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30381367

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2004220 2004221

Parameter	Units	30381950002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	10.0 U	20	20	14.7	15.9	73	79	59-138	8	30	
2-Hexanone	ug/L	10.0 U	20	20	13.1	13.7	66	68	66-123	4	30	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	20	20	13.7	14.8	68	74	70-130	8	30	ML
Acetone	ug/L	10.0 U	20	20	11.4	15.0	57	75	57-140	27	30	
Acrylonitrile	ug/L	4.0 U	20	20	14.2	11.0	71	55	47-134	25	30	
Benzene	ug/L	1.0 U	20	20	17.0	20.0	85	100	50-149	16	30	
Bromochloromethane	ug/L	1.0 U	20	20	14.9	17.8	74	89	63-120	18	30	
Bromodichloromethane	ug/L	1.0 U	20	20	14.4	17.3	72	86	46-131	18	30	
Bromoform	ug/L	1.0 U	20	20	13.1	15.2	65	76	30-119	15	30	
Bromomethane	ug/L	1.0 U	20	20	9.6	16.1	48	81	10-163	51	30	R1
Carbon disulfide	ug/L	1.0 U	20	20	15.9	17.6	79	88	41-116	10	30	
Carbon tetrachloride	ug/L	1.0 U	20	20	15.1	18.3	75	91	55-119	19	30	
Chlorobenzene	ug/L	1.0 U	20	20	16.1	19.0	80	95	66-124	17	30	
Chloroethane	ug/L	1.0 U	20	20	20.9	21.6	104	108	45-162	4	30	
Chloroform	ug/L	1.0 U	20	20	13.8	17.5	69	88	56-123	24	30	
Chloromethane	ug/L	1.0 U	20	20	12.2	13.1	61	66	49-150	7	30	
cis-1,2-Dichloroethene	ug/L	1.0 U	20	20	15.1	16.6	76	83	63-116	9	30	
cis-1,3-Dichloropropene	ug/L	1.0 U	20	20	14.1	16.6	71	83	46-119	16	30	
Dibromochloromethane	ug/L	1.0 U	20	20	13.2	15.7	66	79	42-120	17	30	
Dibromomethane	ug/L	1.0 U	20	20	13.3	16.2	66	81	55-117	20	30	
Ethylbenzene	ug/L	1.0 U	20	20	16.0	19.3	80	96	63-135	18	30	
Iodomethane	ug/L	50.0 U	20	20	2.1J	3.4J	10	17	10-175		30	CL
Methyl-tert-butyl ether	ug/L	1.0 U	20	20	15.2	16.3	76	82	53-123	7	30	
Methylene Chloride	ug/L	1.0 U	20	20	14.3	17.5	72	87	57-132	20	30	
Naphthalene	ug/L	2.0 U	20	20	14.5	14.2	72	71	30-157	2	30	
Styrene	ug/L	1.0 U	20	20	14.3	16.8	72	84	58-130	16	30	
Tetrachloroethene	ug/L	1.0 U	20	20	16.7	20.2	84	101	61-132	19	30	
Toluene	ug/L	1.0 U	20	20	17.0	19.8	85	99	59-139	16	30	
trans-1,2-Dichloroethene	ug/L	1.0 U	20	20	16.2	19.4	81	97	60-124	18	30	
trans-1,3-Dichloropropene	ug/L	1.0 U	20	20	14.3	17.6	71	88	48-121	20	30	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	20	12.0	11.5	60	58	10-111	4	30	
Trichloroethene	ug/L	1.0 U	20	20	15.2	19.6	76	98	63-128	25	30	
Trichlorofluoromethane	ug/L	1.0 U	20	20	18.7	19.0	93	95	70-152	2	30	
Vinyl acetate	ug/L	1.0 U	20	20	12.1	13.2	61	66	23-102	8	30	
Vinyl chloride	ug/L	1.0 U	20	20	15.3	16.0	76	80	67-141	5	30	
Xylene (Total)	ug/L	3.0 U	60	60	46.1	54.2	77	90	63-135	16	30	
1,2-Dichloroethane-d4 (S)	%.						96	96	70-130			
4-Bromofluorobenzene (S)	%.						108	107	70-130			
Dibromofluoromethane (S)	%.						95	97	70-130			
Toluene-d8 (S)	%.						102	102	70-130			

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30381367

QC Batch: 414562
QC Batch Method: EPA 8260B
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30381367003, 30381367004

METHOD BLANK: 2004811 Matrix: Water
Associated Lab Samples: 30381367003, 30381367004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	09/18/20 13:08	M5
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	09/18/20 13:08	M5
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	09/18/20 13:08	M5
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	09/18/20 13:08	M5
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	09/18/20 13:08	M5
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	09/18/20 13:08	M5
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	09/18/20 13:08	M5
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	09/18/20 13:08	M5
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	09/18/20 13:08	M5
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	09/18/20 13:08	M5
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	09/18/20 13:08	M5
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	09/18/20 13:08	M5
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	09/18/20 13:08	M5
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	09/18/20 13:08	M5
2-Hexanone	ug/L	10.0 U	10.0	0.58	09/18/20 13:08	M5
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	09/18/20 13:08	M5
Acetone	ug/L	10.0 U	10.0	5.6	09/18/20 13:08	M5
Acrylonitrile	ug/L	4.0 U	4.0	0.55	09/18/20 13:08	M5
Benzene	ug/L	1.0 U	1.0	0.34	09/18/20 13:08	M5
Bromochloromethane	ug/L	1.0 U	1.0	0.48	09/18/20 13:08	M5
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	09/18/20 13:08	M5
Bromoform	ug/L	1.0 U	1.0	0.56	09/18/20 13:08	M5
Bromomethane	ug/L	1.0 U	1.0	0.73	09/18/20 13:08	CH,M5
Carbon disulfide	ug/L	1.0 U	1.0	0.32	09/18/20 13:08	M5
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	09/18/20 13:08	M5
Chlorobenzene	ug/L	1.0 U	1.0	0.26	09/18/20 13:08	M5
Chloroethane	ug/L	1.0 U	1.0	0.64	09/18/20 13:08	M5
Chloroform	ug/L	1.0 U	1.0	0.39	09/18/20 13:08	M5
Chloromethane	ug/L	1.0 U	1.0	0.40	09/18/20 13:08	M5
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	09/18/20 13:08	M5
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	09/18/20 13:08	M5
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	09/18/20 13:08	M5
Dibromomethane	ug/L	1.0 U	1.0	0.34	09/18/20 13:08	M5
Ethylbenzene	ug/L	1.0 U	1.0	0.40	09/18/20 13:08	M5
Iodomethane	ug/L	50.0 U	50.0	0.52	09/18/20 13:08	M5
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	09/18/20 13:08	M5
Methylene Chloride	ug/L	1.0 U	1.0	0.64	09/18/20 13:08	M5
Naphthalene	ug/L	2.0 U	2.0	0.82	09/18/20 13:08	M5
Styrene	ug/L	1.0 U	1.0	0.33	09/18/20 13:08	M5
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	09/18/20 13:08	M5

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30381367

METHOD BLANK: 2004811 Matrix: Water
Associated Lab Samples: 30381367003, 30381367004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	09/18/20 13:08	M5
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	09/18/20 13:08	M5
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	09/18/20 13:08	M5
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	09/18/20 13:08	M5
Trichloroethene	ug/L	1.0 U	1.0	0.29	09/18/20 13:08	M5
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	09/18/20 13:08	M5
Vinyl acetate	ug/L	1.0 U	1.0	0.57	09/18/20 13:08	M5
Vinyl chloride	ug/L	1.0 U	1.0	0.29	09/18/20 13:08	M5
Xylene (Total)	ug/L	3.0 U	3.0	1.4	09/18/20 13:08	M5
1,2-Dichloroethane-d4 (S)	%.	100	70-130		09/18/20 13:08	M5
4-Bromofluorobenzene (S)	%.	111	70-130		09/18/20 13:08	M5
Dibromofluoromethane (S)	%.	101	70-130		09/18/20 13:08	M5
Toluene-d8 (S)	%.	99	70-130		09/18/20 13:08	M5

LABORATORY CONTROL SAMPLE: 2004812

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.9	89	70-130	M5
1,1,1-Trichloroethane	ug/L	20	20.4	102	70-130	M5
1,1,2,2-Tetrachloroethane	ug/L	20	20.6	103	70-130	M5
1,1,2-Trichloroethane	ug/L	20	21.1	106	70-130	M5
1,1-Dichloroethane	ug/L	20	20.3	102	70-130	M5
1,1-Dichloroethene	ug/L	20	17.9	89	70-130	M5
1,2,3-Trichloropropane	ug/L	20	21.0	105	70-130	M5
1,2-Dibromo-3-chloropropane	ug/L	20	17.4	87	59-122	M5
1,2-Dibromoethane (EDB)	ug/L	20	19.0	95	70-130	M5
1,2-Dichlorobenzene	ug/L	20	20.2	101	70-130	M5
1,2-Dichloroethane	ug/L	20	18.9	95	70-130	M5
1,2-Dichloropropane	ug/L	20	19.6	98	70-130	M5
1,4-Dichlorobenzene	ug/L	20	19.4	97	70-130	M5
2-Butanone (MEK)	ug/L	20	20.9	105	70-130	M5
2-Hexanone	ug/L	20	17.2	86	70-130	M5
4-Methyl-2-pentanone (MIBK)	ug/L	20	17.8	89	70-130	M5
Acetone	ug/L	20	16.6	83	67-173	M5
Acrylonitrile	ug/L	20	16.1	81	56-147	M5
Benzene	ug/L	20	20.4	102	70-130	M5
Bromochloromethane	ug/L	20	19.6	98	70-130	M5
Bromodichloromethane	ug/L	20	19.2	96	70-130	M5
Bromoform	ug/L	20	18.4	92	63-119	M5
Bromomethane	ug/L	20	28.0	140	24-159	CH,M5
Carbon disulfide	ug/L	20	19.9	99	57-132	M5
Carbon tetrachloride	ug/L	20	18.7	93	70-130	M5
Chlorobenzene	ug/L	20	20.5	103	70-130	M5
Chloroethane	ug/L	20	24.8	124	62-145	M5

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30381367

LABORATORY CONTROL SAMPLE: 2004812

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	20	19.8	99	70-130	M5
Chloromethane	ug/L	20	15.0	75	66-140	M5
cis-1,2-Dichloroethene	ug/L	20	17.7	89	70-130	M5
cis-1,3-Dichloropropene	ug/L	20	18.0	90	70-130	M5
Dibromochloromethane	ug/L	20	19.1	96	70-130	M5
Dibromomethane	ug/L	20	18.2	91	70-130	M5
Ethylbenzene	ug/L	20	20.4	102	70-130	M5
Iodomethane	ug/L	20	18.9J	95	10-175	M5
Methyl-tert-butyl ether	ug/L	20	20.1	100	70-130	M5
Methylene Chloride	ug/L	20	18.2	91	70-130	M5
Naphthalene	ug/L	20	12.7	64	55-160	M5
Styrene	ug/L	20	18.8	94	70-130	M5
Tetrachloroethene	ug/L	20	22.9	114	70-130	M5
Toluene	ug/L	20	21.1	106	70-130	M5
trans-1,2-Dichloroethene	ug/L	20	19.7	98	70-130	M5
trans-1,3-Dichloropropene	ug/L	20	18.4	92	70-130	M5
trans-1,4-Dichloro-2-butene	ug/L	20	17.4	87	48-131	M5
Trichloroethene	ug/L	20	21.0	105	70-130	M5
Trichlorofluoromethane	ug/L	20	20.4	102	70-130	M5
Vinyl acetate	ug/L	20	14.0	70	33-128	M5
Vinyl chloride	ug/L	20	16.7	83	70-130	M5
Xylene (Total)	ug/L	60	59.0	98	70-130	M5
1,2-Dichloroethane-d4 (S)	%.			97	70-130	M5
4-Bromofluorobenzene (S)	%.			104	70-130	M5
Dibromofluoromethane (S)	%.			99	70-130	M5
Toluene-d8 (S)	%.			102	70-130	M5

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30381367

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 414562

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
M5	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30381367

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30381367001	**Trip Blank**	EPA 8260B	414388		
30381367002	**CO101-PZMXXX**	EPA 8260B	414388		
30381367003	**CO93-PZMXXX**	EPA 8260B	414562		
30381367004	**CO18-PZM016**	EPA 8260B	414562		
30381367005	**CO24-PZM007**	EPA 8260B	414388		
30381367006	**CO23-PZM008**	EPA 8260B	414388		
30381367007	**CO59-PZP002**	EPA 8260B	414388		
30381367008	**CO56-PZP001**	EPA 8260B	414388		

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WO# : 30381367

30381367

Section A — Client Information:
EnviroAnalytics Group
1600 Sparrows Point Blvd, Suite B2
Sparrows Point, MD 21219
jcalenda@enviroanalyticsgroup.com
314-620-3056 | Fax
Due Date/TAT: 5 Day

Section B — Required Project Information:
Report To: James Calenda
Copy To: Stewart Kabis
Purchase Order No.: EAG-SPT-6989
Project Name: COA IM GW Sampling
Project Number:

Section C — Invoice Information:
Attention: Laura Sargent
Company Name: EnviroAnalytics Group
Address: 1650 Des Peres Road, Suite 303 St. Louis, MO 63131
Pace Quote Reference:
Pace Project Manager: Samantha Bayura
Pace Profile #:

RE
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER
Site Location STATE: MD

Section D — Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOC + NAPH by 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
Trip Blank	WT	G			9/8/20	—		2				2						X		001
C0101-PZMXXX	WT	G				1010		3				3						X		002
C093-PZMXXX	WT	G				1100		3				3						X		003
C018-PZM016	WT	G				1145		3				3						X		004
C024-PZM007	WT	G				1340		3				3						X		005
C023-PZM009	WT	G				1420		3				3						X		006
C059-PZP002	WT	G				1500		3				3						X		007
C056-PZP001	WT	G				1530		3				3						X		008

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NO	[signature]	9/8/20	1615	[signature] PACE	9/8/20	1615				
NO	[signature] PACE	9/8/20	1845	[signature] PACE	9/8/20	1850		4		
	[signature] PACE	9/8/20	2230	Manuel L (Gray)	9/8/20	2230	SM	4	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Lisa Perna
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 9/8/20

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Enviroanalytics Group Project # #-30381367

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____

Label mlc
LIMS Login mlc

Tracking #: N/A

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used 11 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 5.8 °C Correction Factor: .4 °C Final Temp: 5.4 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# N/A	Date and Initials of person examining contents: mlc 4/9/2020
Chain of Custody Present:	✓			1.	
Chain of Custody Filled Out:	✓			2.	
Chain of Custody Relinquished:	✓			3.	
Sampler Name & Signature on COC:	✓			4.	
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.	
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):		✓		7.	
Rush Turn Around Time Requested:	✓			8.	
Sufficient Volume:	✓			9.	
Correct Containers Used: -Pace Containers Used:	✓ ✓			10.	
Containers Intact:	✓			11.	
Orthophosphate field filtered			✓	12.	
Hex Cr Aqueous sample field filtered			✓	13.	
Organic Samples checked for dechlorination:			✓	14.	
Filtered volume received for Dissolved tests			✓	15.	
~~All containers have been checked for preservation.~~ exceptions: (VOA) coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix		✓		16.	
All containers meet method preservation requirements.	✓			Initial when completed mlc	Date/time of preservation
				Lot # of added preservative	
Headspace in VOA Vials (>6mm):	✓			17. One vial for sample 018-P2PMD16 has Headspace >(6mm)	
Trip Blank Present:	✓			18.	
Trip Blank Custody Seals Present	✓				
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed:	Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

September 18, 2020

Mr. Matthew Newman
Tradepoint Atlantic
1600 Sparrow's Point Boulevard
Sparrows Point, MD 21219

RE: Project: COA IM GW Samplig
Pace Project No.: 30381950

Dear Mr. Newman:

Enclosed are the analytical results for sample(s) received by the laboratory on September 09, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

cc: Ms. Penny Gardner, Environmental Data Quality, Inc.
J.Price, ARM Group Inc.
Mr. Stewart Kabis, ARM Group Inc.
Mr. Eric S. Magdar, ARM Group Inc.
Ms. Shawne M. Rodgers, Environmental Data Quality, Inc.

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CERTIFICATIONS

Project: COA IM GW Samplig
Pace Project No.: 30381950

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: COA IM GW Samplig
Pace Project No.: 30381950

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30381950001	**Trip Blank**	Water	09/09/20 00:01	09/09/20 22:30
30381950002	**CO55-PZM000**	Water	09/09/20 08:30	09/09/20 22:30
30381950003	**CO60-PZP001**	Water	09/09/20 09:30	09/09/20 22:30
30381950004	**CO26-PZM007**	Water	09/09/20 10:20	09/09/20 22:30
30381950005	**CO58-PZM001**	Water	09/09/20 11:25	09/09/20 22:30

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
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SAMPLE ANALYTE COUNT

Project: COA IM GW Samplig
Pace Project No.: 30381950

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30381950001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30381950002	**CO55-PZM000**	EPA 8260B	LEL	53	PASI-PA
30381950003	**CO60-PZP001**	EPA 8260B	LEL	53	PASI-PA
30381950004	**CO26-PZM007**	EPA 8260B	LEL	53	PASI-PA
30381950005	**CO58-PZM001**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS

Project: COA IM GW Samplig
Pace Project No.: 30381950

Sample: Trip Blank **Lab ID: 30381950001** Collected: 09/09/20 00:01 Received: 09/09/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		09/17/20 14:25	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 14:25	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		09/17/20 14:25	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 14:25	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		09/17/20 14:25	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		09/17/20 14:25	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		09/17/20 14:25	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		09/17/20 14:25	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		09/17/20 14:25	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 14:25	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 14:25	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		09/17/20 14:25	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		09/17/20 14:25	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		09/17/20 14:25	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		09/17/20 14:25	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		09/17/20 14:25	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		09/17/20 14:25	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		09/17/20 14:25	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		09/17/20 14:25	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		09/17/20 14:25	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		09/17/20 14:25	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		09/17/20 14:25	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		09/17/20 14:25	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 14:25	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		09/17/20 14:25	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		09/17/20 14:25	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		09/17/20 14:25	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		09/17/20 14:25	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		09/17/20 14:25	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		09/17/20 14:25	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		09/17/20 14:25	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		09/17/20 14:25	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		09/17/20 14:25	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		09/17/20 14:25	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		09/17/20 14:25	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		09/17/20 14:25	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 14:25	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		09/17/20 14:25	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 14:25	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 14:25	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		09/17/20 14:25	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		09/17/20 14:25	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 14:25	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		09/17/20 14:25	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 14:25	156-59-2	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Samplig
Pace Project No.: 30381950

Sample: Trip Blank **Lab ID: 30381950001** Collected: 09/09/20 00:01 Received: 09/09/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 14:25	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		09/17/20 14:25	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 14:25	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		09/17/20 14:25	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	110	%.	70-130		1		09/17/20 14:25	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		1		09/17/20 14:25	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		09/17/20 14:25	2037-26-5	
Dibromofluoromethane (S)	100	%.	70-130		1		09/17/20 14:25	1868-53-7	

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Samplig
Pace Project No.: 30381950

Sample: CO55-PZM000 **Lab ID: 30381950002** Collected: 09/09/20 08:30 Received: 09/09/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		09/17/20 14:50	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 14:50	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		09/17/20 14:50	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 14:50	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		09/17/20 14:50	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		09/17/20 14:50	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		09/17/20 14:50	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		09/17/20 14:50	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		09/17/20 14:50	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 14:50	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 14:50	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		09/17/20 14:50	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		09/17/20 14:50	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		09/17/20 14:50	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		09/17/20 14:50	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		09/17/20 14:50	108-10-1	ML
Acetone	**10.0 U**	ug/L	10.0	5.6	1		09/17/20 14:50	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		09/17/20 14:50	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		09/17/20 14:50	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		09/17/20 14:50	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		09/17/20 14:50	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		09/17/20 14:50	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		09/17/20 14:50	74-83-9	R1
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 14:50	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		09/17/20 14:50	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		09/17/20 14:50	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		09/17/20 14:50	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		09/17/20 14:50	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		09/17/20 14:50	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		09/17/20 14:50	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		09/17/20 14:50	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		09/17/20 14:50	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		09/17/20 14:50	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		09/17/20 14:50	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		09/17/20 14:50	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		09/17/20 14:50	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 14:50	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		09/17/20 14:50	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 14:50	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 14:50	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		09/17/20 14:50	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		09/17/20 14:50	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 14:50	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		09/17/20 14:50	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 14:50	156-59-2	

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Greensburg, PA 15601
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ANALYTICAL RESULTS

Project: COA IM GW Samplig
Pace Project No.: 30381950

Sample: CO55-PZM000 **Lab ID: 30381950002** Collected: 09/09/20 08:30 Received: 09/09/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 14:50	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		09/17/20 14:50	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 14:50	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		09/17/20 14:50	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	110	%.	70-130		1		09/17/20 14:50	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		1		09/17/20 14:50	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		09/17/20 14:50	2037-26-5	
Dibromofluoromethane (S)	105	%.	70-130		1		09/17/20 14:50	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Samplig
Pace Project No.: 30381950

Sample: CO60-PZP001 **Lab ID: 30381950003** Collected: 09/09/20 09:30 Received: 09/09/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		09/17/20 15:15	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 15:15	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		09/17/20 15:15	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 15:15	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		09/17/20 15:15	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		09/17/20 15:15	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		09/17/20 15:15	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		09/17/20 15:15	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		09/17/20 15:15	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 15:15	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 15:15	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		09/17/20 15:15	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		09/17/20 15:15	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		09/17/20 15:15	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		09/17/20 15:15	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		09/17/20 15:15	108-10-1	
Acetone	**8.2J**	ug/L	10.0	5.6	1		09/17/20 15:15	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		09/17/20 15:15	107-13-1	
Benzene	**244**	ug/L	1.0	0.34	1		09/17/20 15:15	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		09/17/20 15:15	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		09/17/20 15:15	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		09/17/20 15:15	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		09/17/20 15:15	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 15:15	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		09/17/20 15:15	56-23-5	
Chlorobenzene	**0.48J**	ug/L	1.0	0.26	1		09/17/20 15:15	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		09/17/20 15:15	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		09/17/20 15:15	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		09/17/20 15:15	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		09/17/20 15:15	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		09/17/20 15:15	74-95-3	
Ethylbenzene	**10.1**	ug/L	1.0	0.40	1		09/17/20 15:15	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		09/17/20 15:15	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		09/17/20 15:15	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		09/17/20 15:15	75-09-2	
Naphthalene	**1140**	ug/L	40.0	16.4	20		09/18/20 13:33	91-20-3	
Styrene	**29.9**	ug/L	1.0	0.33	1		09/17/20 15:15	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		09/17/20 15:15	127-18-4	
Toluene	**23.7**	ug/L	1.0	0.32	1		09/17/20 15:15	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 15:15	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		09/17/20 15:15	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		09/17/20 15:15	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 15:15	75-01-4	
Xylene (Total)	**211**	ug/L	3.0	1.4	1		09/17/20 15:15	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 15:15	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Samplig
Pace Project No.: 30381950

Sample: CO60-PZP001 **Lab ID: 30381950003** Collected: 09/09/20 09:30 Received: 09/09/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 15:15	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		09/17/20 15:15	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 15:15	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		09/17/20 15:15	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%.	70-130		1		09/17/20 15:15	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130		1		09/17/20 15:15	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		09/17/20 15:15	2037-26-5	
Dibromofluoromethane (S)	94	%.	70-130		1		09/17/20 15:15	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Samplig
Pace Project No.: 30381950

Sample: CO26-PZM007 **Lab ID: 30381950004** Collected: 09/09/20 10:20 Received: 09/09/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		09/17/20 16:55	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 16:55	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		09/17/20 16:55	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 16:55	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		09/17/20 16:55	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		09/17/20 16:55	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		09/17/20 16:55	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		09/17/20 16:55	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		09/17/20 16:55	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 16:55	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 16:55	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		09/17/20 16:55	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		09/17/20 16:55	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		09/17/20 16:55	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		09/17/20 16:55	591-78-6	
4-Methyl-2-pentanone (MIBK)	**6.8J**	ug/L	10.0	0.42	1		09/17/20 16:55	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		09/17/20 16:55	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		09/17/20 16:55	107-13-1	
Benzene	**331**	ug/L	1.0	0.34	1		09/17/20 16:55	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		09/17/20 16:55	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		09/17/20 16:55	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		09/17/20 16:55	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		09/17/20 16:55	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 16:55	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		09/17/20 16:55	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		09/17/20 16:55	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		09/17/20 16:55	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		09/17/20 16:55	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		09/17/20 16:55	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		09/17/20 16:55	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		09/17/20 16:55	74-95-3	
Ethylbenzene	**10.9**	ug/L	1.0	0.40	1		09/17/20 16:55	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		09/17/20 16:55	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		09/17/20 16:55	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		09/17/20 16:55	75-09-2	
Naphthalene	**2170**	ug/L	40.0	16.4	20		09/17/20 16:43	91-20-3	CL
Styrene	**64.6**	ug/L	1.0	0.33	1		09/17/20 16:55	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		09/17/20 16:55	127-18-4	
Toluene	**182**	ug/L	1.0	0.32	1		09/17/20 16:55	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 16:55	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		09/17/20 16:55	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		09/17/20 16:55	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 16:55	75-01-4	
Xylene (Total)	**244**	ug/L	3.0	1.4	1		09/17/20 16:55	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 16:55	156-59-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Samplig
Pace Project No.: 30381950

Sample: CO26-PZM007 **Lab ID: 30381950004** Collected: 09/09/20 10:20 Received: 09/09/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 16:55	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		09/17/20 16:55	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 16:55	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		09/17/20 16:55	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		09/17/20 16:55	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%.	70-130		1		09/17/20 16:55	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		1		09/17/20 16:55	2037-26-5	
Dibromofluoromethane (S)	92	%.	70-130		1		09/17/20 16:55	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Samplig
Pace Project No.: 30381950

Sample: CO58-PZM001 **Lab ID: 30381950005** Collected: 09/09/20 11:25 Received: 09/09/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		09/17/20 17:21	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 17:21	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		09/17/20 17:21	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 17:21	79-00-5	
1,1-Dichloroethane	**0.68J**	ug/L	1.0	0.24	1		09/17/20 17:21	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		09/17/20 17:21	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		09/17/20 17:21	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		09/17/20 17:21	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		09/17/20 17:21	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 17:21	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		09/17/20 17:21	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		09/17/20 17:21	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		09/17/20 17:21	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		09/17/20 17:21	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		09/17/20 17:21	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		09/17/20 17:21	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		09/17/20 17:21	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		09/17/20 17:21	107-13-1	
Benzene	**237**	ug/L	1.0	0.34	1		09/17/20 17:21	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		09/17/20 17:21	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		09/17/20 17:21	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		09/17/20 17:21	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		09/17/20 17:21	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 17:21	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		09/17/20 17:21	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		09/17/20 17:21	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		09/17/20 17:21	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		09/17/20 17:21	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		09/17/20 17:21	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		09/17/20 17:21	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		09/17/20 17:21	74-95-3	
Ethylbenzene	**10.6**	ug/L	1.0	0.40	1		09/17/20 17:21	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		09/17/20 17:21	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		09/17/20 17:21	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		09/17/20 17:21	75-09-2	
Naphthalene	**1950**	ug/L	40.0	16.4	20		09/17/20 17:08	91-20-3	CL
Styrene	**22.8**	ug/L	1.0	0.33	1		09/17/20 17:21	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		09/17/20 17:21	127-18-4	
Toluene	**63.3**	ug/L	1.0	0.32	1		09/17/20 17:21	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 17:21	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		09/17/20 17:21	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		09/17/20 17:21	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 17:21	75-01-4	
Xylene (Total)	**166**	ug/L	3.0	1.4	1		09/17/20 17:21	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		09/17/20 17:21	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Samplig
Pace Project No.: 30381950

Sample: CO58-PZM001 **Lab ID: 30381950005** Collected: 09/09/20 11:25 Received: 09/09/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		09/17/20 17:21	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		09/17/20 17:21	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		09/17/20 17:21	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		09/17/20 17:21	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		09/17/20 17:21	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%.	70-130		1		09/17/20 17:21	17060-07-0	
Toluene-d8 (S)	102	%.	70-130		1		09/17/20 17:21	2037-26-5	
Dibromofluoromethane (S)	95	%.	70-130		1		09/17/20 17:21	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Samplig
Pace Project No.: 30381950

QC Batch: 414388
QC Batch Method: EPA 8260B
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30381950001, 30381950002, 30381950003, 30381950004, 30381950005

METHOD BLANK: 2003878 Matrix: Water
Associated Lab Samples: 30381950001, 30381950002, 30381950003, 30381950004, 30381950005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	09/17/20 12:19	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	09/17/20 12:19	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	09/17/20 12:19	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	09/17/20 12:19	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	09/17/20 12:19	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	09/17/20 12:19	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	09/17/20 12:19	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	09/17/20 12:19	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	09/17/20 12:19	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	09/17/20 12:19	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	09/17/20 12:19	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	09/17/20 12:19	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	09/17/20 12:19	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	09/17/20 12:19	
2-Hexanone	ug/L	10.0 U	10.0	0.58	09/17/20 12:19	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	09/17/20 12:19	
Acetone	ug/L	10.0 U	10.0	5.6	09/17/20 12:19	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	09/17/20 12:19	
Benzene	ug/L	1.0 U	1.0	0.34	09/17/20 12:19	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	09/17/20 12:19	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	09/17/20 12:19	
Bromoform	ug/L	1.0 U	1.0	0.56	09/17/20 12:19	
Bromomethane	ug/L	1.0 U	1.0	0.73	09/17/20 12:19	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	09/17/20 12:19	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	09/17/20 12:19	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	09/17/20 12:19	
Chloroethane	ug/L	1.0 U	1.0	0.64	09/17/20 12:19	
Chloroform	ug/L	1.0 U	1.0	0.39	09/17/20 12:19	
Chloromethane	ug/L	1.0 U	1.0	0.40	09/17/20 12:19	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	09/17/20 12:19	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	09/17/20 12:19	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	09/17/20 12:19	
Dibromomethane	ug/L	1.0 U	1.0	0.34	09/17/20 12:19	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	09/17/20 12:19	
Iodomethane	ug/L	50.0 U	50.0	0.52	09/17/20 12:19	CL
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	09/17/20 12:19	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	09/17/20 12:19	
Naphthalene	ug/L	2.0 U	2.0	0.82	09/17/20 12:19	
Styrene	ug/L	1.0 U	1.0	0.33	09/17/20 12:19	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	09/17/20 12:19	

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QUALITY CONTROL DATA

Project: COA IM GW Samplig
Pace Project No.: 30381950

METHOD BLANK: 2003878 Matrix: Water
Associated Lab Samples: 30381950001, 30381950002, 30381950003, 30381950004, 30381950005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	09/17/20 12:19	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	09/17/20 12:19	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	09/17/20 12:19	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	09/17/20 12:19	
Trichloroethene	ug/L	1.0 U	1.0	0.29	09/17/20 12:19	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	09/17/20 12:19	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	09/17/20 12:19	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	09/17/20 12:19	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	09/17/20 12:19	
1,2-Dichloroethane-d4 (S)	%.	104	70-130		09/17/20 12:19	
4-Bromofluorobenzene (S)	%.	111	70-130		09/17/20 12:19	
Dibromofluoromethane (S)	%.	103	70-130		09/17/20 12:19	
Toluene-d8 (S)	%.	97	70-130		09/17/20 12:19	

LABORATORY CONTROL SAMPLE: 2003879

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.9	95	70-130	
1,1,1-Trichloroethane	ug/L	20	20.2	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.8	99	70-130	
1,1,2-Trichloroethane	ug/L	20	20.6	103	70-130	
1,1-Dichloroethane	ug/L	20	18.8	94	70-130	
1,1-Dichloroethene	ug/L	20	18.1	90	70-130	
1,2,3-Trichloropropane	ug/L	20	19.7	98	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	15.7	79	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	19.2	96	70-130	
1,2-Dichlorobenzene	ug/L	20	19.7	99	70-130	
1,2-Dichloroethane	ug/L	20	18.4	92	70-130	
1,2-Dichloropropane	ug/L	20	19.2	96	70-130	
1,4-Dichlorobenzene	ug/L	20	19.4	97	70-130	
2-Butanone (MEK)	ug/L	20	18.9	94	70-130	
2-Hexanone	ug/L	20	16.6	83	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	17.1	85	70-130	
Acetone	ug/L	20	16.9	85	67-173	
Acrylonitrile	ug/L	20	13.2	66	56-147	
Benzene	ug/L	20	20.3	101	70-130	
Bromochloromethane	ug/L	20	19.0	95	70-130	
Bromodichloromethane	ug/L	20	18.6	93	70-130	
Bromoform	ug/L	20	17.7	89	63-119	
Bromomethane	ug/L	20	12.6	63	24-159	
Carbon disulfide	ug/L	20	19.4	97	57-132	
Carbon tetrachloride	ug/L	20	18.9	94	70-130	
Chlorobenzene	ug/L	20	20.3	101	70-130	
Chloroethane	ug/L	20	22.7	113	62-145	

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QUALITY CONTROL DATA

Project: COA IM GW Samplig
Pace Project No.: 30381950

LABORATORY CONTROL SAMPLE: 2003879

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	20	19.0	95	70-130	
Chloromethane	ug/L	20	13.2	66	66-140	
cis-1,2-Dichloroethene	ug/L	20	17.4	87	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.7	93	70-130	
Dibromochloromethane	ug/L	20	17.9	90	70-130	
Dibromomethane	ug/L	20	16.9	85	70-130	
Ethylbenzene	ug/L	20	20.3	101	70-130	
Iodomethane	ug/L	20	4.3J	21	10-175	CL
Methyl-tert-butyl ether	ug/L	20	19.1	96	70-130	
Methylene Chloride	ug/L	20	16.2	81	70-130	
Naphthalene	ug/L	20	16.0	80	55-160	
Styrene	ug/L	20	19.3	96	70-130	
Tetrachloroethene	ug/L	20	21.4	107	70-130	
Toluene	ug/L	20	20.8	104	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.5	97	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.6	98	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	15.2	76	48-131	
Trichloroethene	ug/L	20	20.1	100	70-130	
Trichlorofluoromethane	ug/L	20	19.4	97	70-130	
Vinyl acetate	ug/L	20	16.0	80	33-128	
Vinyl chloride	ug/L	20	15.8	79	70-130	
Xylene (Total)	ug/L	60	58.9	98	70-130	
1,2-Dichloroethane-d4 (S)	%.			94	70-130	
4-Bromofluorobenzene (S)	%.			103	70-130	
Dibromofluoromethane (S)	%.			95	70-130	
Toluene-d8 (S)	%.			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2004220 2004221

Parameter	Units	30381950002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	20	20	14.2	17.0	71	85	59-117	18	30	
1,1,1-Trichloroethane	ug/L	1.0 U	20	20	17.4	20.7	87	103	55-146	17	30	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	20	20	15.7	18.3	79	92	55-118	15	30	
1,1,2-Trichloroethane	ug/L	1.0 U	20	20	15.6	18.9	78	95	61-122	19	30	
1,1-Dichloroethane	ug/L	1.0 U	20	20	16.2	19.3	81	96	59-130	18	30	
1,1-Dichloroethene	ug/L	1.0 U	20	20	15.6	19.1	78	95	52-119	20	30	
1,2,3-Trichloropropane	ug/L	1.0 U	20	20	15.2	18.4	76	92	59-117	19	30	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	20	20	10.6	12.5	53	62	32-112	16	30	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	20	20	13.7	17.0	68	85	61-116	22	30	
1,2-Dichlorobenzene	ug/L	1.0 U	20	20	15.9	18.5	80	92	58-126	15	30	
1,2-Dichloroethane	ug/L	1.0 U	20	20	14.6	17.6	73	88	49-135	19	30	
1,2-Dichloropropane	ug/L	1.0 U	20	20	15.6	19.1	78	96	67-121	20	30	
1,4-Dichlorobenzene	ug/L	1.0 U	20	20	15.4	18.2	77	91	60-121	17	30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Samplig
Pace Project No.: 30381950

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2004220 2004221

Parameter	Units	30381950002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	10.0 U	20	20	14.7	15.9	73	79	59-138	8	30	
2-Hexanone	ug/L	10.0 U	20	20	13.1	13.7	66	68	66-123	4	30	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	20	20	13.7	14.8	68	74	70-130	8	30	ML
Acetone	ug/L	10.0 U	20	20	11.4	15.0	57	75	57-140	27	30	
Acrylonitrile	ug/L	4.0 U	20	20	14.2	11.0	71	55	47-134	25	30	
Benzene	ug/L	1.0 U	20	20	17.0	20.0	85	100	50-149	16	30	
Bromochloromethane	ug/L	1.0 U	20	20	14.9	17.8	74	89	63-120	18	30	
Bromodichloromethane	ug/L	1.0 U	20	20	14.4	17.3	72	86	46-131	18	30	
Bromoform	ug/L	1.0 U	20	20	13.1	15.2	65	76	30-119	15	30	
Bromomethane	ug/L	1.0 U	20	20	9.6	16.1	48	81	10-163	51	30	R1
Carbon disulfide	ug/L	1.0 U	20	20	15.9	17.6	79	88	41-116	10	30	
Carbon tetrachloride	ug/L	1.0 U	20	20	15.1	18.3	75	91	55-119	19	30	
Chlorobenzene	ug/L	1.0 U	20	20	16.1	19.0	80	95	66-124	17	30	
Chloroethane	ug/L	1.0 U	20	20	20.9	21.6	104	108	45-162	4	30	
Chloroform	ug/L	1.0 U	20	20	13.8	17.5	69	88	56-123	24	30	
Chloromethane	ug/L	1.0 U	20	20	12.2	13.1	61	66	49-150	7	30	
cis-1,2-Dichloroethene	ug/L	1.0 U	20	20	15.1	16.6	76	83	63-116	9	30	
cis-1,3-Dichloropropene	ug/L	1.0 U	20	20	14.1	16.6	71	83	46-119	16	30	
Dibromochloromethane	ug/L	1.0 U	20	20	13.2	15.7	66	79	42-120	17	30	
Dibromomethane	ug/L	1.0 U	20	20	13.3	16.2	66	81	55-117	20	30	
Ethylbenzene	ug/L	1.0 U	20	20	16.0	19.3	80	96	63-135	18	30	
Iodomethane	ug/L	50.0 U	20	20	2.1J	3.4J	10	17	10-175		30	CL
Methyl-tert-butyl ether	ug/L	1.0 U	20	20	15.2	16.3	76	82	53-123	7	30	
Methylene Chloride	ug/L	1.0 U	20	20	14.3	17.5	72	87	57-132	20	30	
Naphthalene	ug/L	2.0 U	20	20	14.5	14.2	72	71	30-157	2	30	
Styrene	ug/L	1.0 U	20	20	14.3	16.8	72	84	58-130	16	30	
Tetrachloroethene	ug/L	1.0 U	20	20	16.7	20.2	84	101	61-132	19	30	
Toluene	ug/L	1.0 U	20	20	17.0	19.8	85	99	59-139	16	30	
trans-1,2-Dichloroethene	ug/L	1.0 U	20	20	16.2	19.4	81	97	60-124	18	30	
trans-1,3-Dichloropropene	ug/L	1.0 U	20	20	14.3	17.6	71	88	48-121	20	30	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	20	12.0	11.5	60	58	10-111	4	30	
Trichloroethene	ug/L	1.0 U	20	20	15.2	19.6	76	98	63-128	25	30	
Trichlorofluoromethane	ug/L	1.0 U	20	20	18.7	19.0	93	95	70-152	2	30	
Vinyl acetate	ug/L	1.0 U	20	20	12.1	13.2	61	66	23-102	8	30	
Vinyl chloride	ug/L	1.0 U	20	20	15.3	16.0	76	80	67-141	5	30	
Xylene (Total)	ug/L	3.0 U	60	60	46.1	54.2	77	90	63-135	16	30	
1,2-Dichloroethane-d4 (S)	%.						96	96	70-130			
4-Bromofluorobenzene (S)	%.						108	107	70-130			
Dibromofluoromethane (S)	%.						95	97	70-130			
Toluene-d8 (S)	%.						102	102	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Samplig
Pace Project No.: 30381950

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Samplig
Pace Project No.: 30381950

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30381950001	**Trip Blank**	EPA 8260B	414388		
30381950002	**CO55-PZM000**	EPA 8260B	414388		
30381950003	**CO60-PZP001**	EPA 8260B	414388		
30381950004	**CO26-PZM007**	EPA 8260B	414388		
30381950005	**CO58-PZM001**	EPA 8260B	414388		

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Pace Analytical
www.pacelabs.com

WO# : 30381950

30381950

A
Client Information: Tradepoint
~~EnviroAnalytics Group~~
1600 Sparrows Point Blvd, ~~Suite B2~~
Sparrows Point, MD 21219
~~jcalenda@enviroanalyticsgroup.com~~
~~344-820-3056~~ Fax:
Rd Due Date/TAT: 5 Day

Section B
Required Project Information:
Report To: ~~James Calenda~~ Matt Newman
Copy To: Stewart Kabis
Purchase Order No.: ~~EAG-SPT-6889~~
Project Name: COA IM GW Sampling
Project Number:

Section C
Invoice Information:
Attention: ~~Laura Sargent~~
Company Name: ~~EnviroAnalytics Group~~ Tradepoint
Address: ~~1650 Des Peres Road, Suite 303 St. Louis, MO 63404~~
Pace Quote Reference:
Pace Project Manager: Samantha Bayura
Pace Profile #:

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MD

Section D
Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	VOC + NAPH by 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
Trip Blank	WT	G			9/9/20	—		2				2						X		001
C055-PZM000	WT	G				830		3				3						X		002
C060-PZP001	WT	G				930		3				3						X		003
C026-PZM007	WT	G				1020		3				3						X		004
C053-PZM001	WT	G				1125		3				3						X		005

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
NO	[signature]	9/9/20	1500	[signature] / PACE	9/9/20	1521				
NO	[signature] / PACE	9/9/20	1800	RDS PACE	9/9/20	1810		Y		
	RDS PACE	9/9/20	2230	Marion L Clay	9/9/20	2230	3.4	Y	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Lisa Perrin
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 9/9/20

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Trade Point

Project # #_30381950

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Label _____
LIMS Login

Tracking #: N/A

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used 11 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 3.8 °C Correction Factor: .4 °C Final Temp: 3.4 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# N/A / Date and initials of person examining contents: MK 9/10/2020
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:	✓			8.
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓ ✓			10.
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: (VOA) coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix		✓		16.
All containers meet method preservation requirements.	✓			Initial when completed MK / Date/time of preservation / Lot # of added preservative
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:	✓			18.
Trip Blank Custody Seals Present	✓			
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed: / Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

October 21, 2020

Mr. Matthew Newman
Tradepoint Atlantic
1600 Sparrow's Point Boulevard
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling-Revised Report
Pace Project No.: 30383953

Dear Mr. Newman:

Enclosed are the analytical results for sample(s) received by the laboratory on September 23, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

Revision 1 - This report replaces the October 5, 2020 report. This project was revised on October 21, 2020 to include a revised sample ID for 30383953-002 per client's request. (Greensburg, PA)

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Rachel Christner for
Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

cc: Ms. Penny Gardner, Environmental Data Quality, Inc.
J.Price, ARM Group Inc.
Mr. Stewart Kabis, ARM Group Inc.
Mr. Eric S. Magdar, ARM Group Inc.
Ms. Shawne M. Rodgers, Environmental Data Quality, Inc.

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(724)850-5600

CERTIFICATIONS

Project: COA IM GW Sampling-Revised Report
Pace Project No.: 30383953

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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Greensburg, PA 15601
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SAMPLE SUMMARY

Project: COA IM GW Sampling-Revised Report
Pace Project No.: 30383953

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30383953001	**Trip Blank**	Water	09/23/20 00:01	09/23/20 23:30
30383953002	**CO27-PZM046**	Water	09/23/20 13:45	09/23/20 23:30
30383953003	**CO27-PZM012**	Water	09/23/20 14:00	09/23/20 23:30

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Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling-Revised Report
Pace Project No.: 30383953

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30383953001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30383953002	**CO27-PZM046**	EPA 8260B	LEL	53	PASI-PA
30383953003	**CO27-PZM012**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling-Revised Report
Pace Project No.: 30383953

Sample: Trip Blank **Lab ID: 30383953001** Collected: 09/23/20 00:01 Received: 09/23/20 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		10/03/20 14:31	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		10/03/20 14:31	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		10/03/20 14:31	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/03/20 14:31	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		10/03/20 14:31	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		10/03/20 14:31	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		10/03/20 14:31	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		10/03/20 14:31	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		10/03/20 14:31	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		10/03/20 14:31	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/03/20 14:31	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		10/03/20 14:31	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		10/03/20 14:31	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		10/03/20 14:31	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		10/03/20 14:31	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		10/03/20 14:31	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		10/03/20 14:31	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		10/03/20 14:31	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		10/03/20 14:31	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		10/03/20 14:31	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		10/03/20 14:31	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		10/03/20 14:31	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		10/03/20 14:31	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		10/03/20 14:31	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		10/03/20 14:31	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		10/03/20 14:31	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		10/03/20 14:31	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		10/03/20 14:31	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		10/03/20 14:31	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		10/03/20 14:31	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		10/03/20 14:31	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		10/03/20 14:31	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		10/03/20 14:31	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		10/03/20 14:31	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		10/03/20 14:31	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		10/03/20 14:31	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		10/03/20 14:31	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		10/03/20 14:31	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		10/03/20 14:31	108-88-3	
Trichloroethene	**0.33J**	ug/L	1.0	0.29	1		10/03/20 14:31	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		10/03/20 14:31	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		10/03/20 14:31	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		10/03/20 14:31	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		10/03/20 14:31	1330-20-7	
cis-1,2-Dichloroethene	**0.56J**	ug/L	1.0	0.38	1		10/03/20 14:31	156-59-2	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling-Revised Report
Pace Project No.: 30383953

Sample: Trip Blank **Lab ID: 30383953001** Collected: 09/23/20 00:01 Received: 09/23/20 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		10/03/20 14:31	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		10/03/20 14:31	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		10/03/20 14:31	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		10/03/20 14:31	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	118	%.	70-130		1		10/03/20 14:31	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%.	70-130		1		10/03/20 14:31	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		1		10/03/20 14:31	2037-26-5	
Dibromofluoromethane (S)	106	%.	70-130		1		10/03/20 14:31	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling-Revised Report
Pace Project No.: 30383953

Sample: CO27-PZM046 **Lab ID: 30383953002** Collected: 09/23/20 13:45 Received: 09/23/20 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		10/03/20 20:13	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		10/03/20 20:13	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 20:13	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 20:13	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 20:13	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 20:13	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		10/03/20 20:13	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		10/03/20 20:13	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		10/03/20 20:13	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		10/03/20 20:13	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 20:13	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 20:13	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 20:13	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		10/03/20 20:13	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		10/03/20 20:13	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		10/03/20 20:13	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		10/03/20 20:13	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		10/03/20 20:13	107-13-1	
Benzene	**18800**	ug/L	2000	676	2000		10/03/20 20:37	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 20:13	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 20:13	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		10/03/20 20:13	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		10/03/20 20:13	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 20:13	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		10/03/20 20:13	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		10/03/20 20:13	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		10/03/20 20:13	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 20:13	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 20:13	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		10/03/20 20:13	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 20:13	74-95-3	
Ethylbenzene	**95.0**	ug/L	5.0	2.0	5		10/03/20 20:13	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		10/03/20 20:13	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 20:13	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		10/03/20 20:13	75-09-2	
Naphthalene	**516**	ug/L	10.0	4.1	5		10/03/20 20:13	91-20-3	
Styrene	**43.3**	ug/L	5.0	1.6	5		10/03/20 20:13	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 20:13	127-18-4	
Toluene	**3270**	ug/L	2000	634	2000		10/03/20 20:37	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		10/03/20 20:13	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		10/03/20 20:13	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		10/03/20 20:13	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 20:13	75-01-4	
Xylene (Total)	**1240**	ug/L	15.0	6.8	5		10/03/20 20:13	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		10/03/20 20:13	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling-Revised Report
Pace Project No.: 30383953

Sample: CO27-PZM046 **Lab ID: 30383953002** Collected: 09/23/20 13:45 Received: 09/23/20 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 20:13	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 20:13	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 20:13	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		10/03/20 20:13	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	109	%.	70-130		5		10/03/20 20:13	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		5		10/03/20 20:13	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		5		10/03/20 20:13	2037-26-5	
Dibromofluoromethane (S)	89	%.	70-130		5		10/03/20 20:13	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling-Revised Report
Pace Project No.: 30383953

Sample: CO27-PZM012 **Lab ID: 30383953003** Collected: 09/23/20 14:00 Received: 09/23/20 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		10/03/20 21:01	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		10/03/20 21:01	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 21:01	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 21:01	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 21:01	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 21:01	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		10/03/20 21:01	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		10/03/20 21:01	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		10/03/20 21:01	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		10/03/20 21:01	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 21:01	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 21:01	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 21:01	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		10/03/20 21:01	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		10/03/20 21:01	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		10/03/20 21:01	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		10/03/20 21:01	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		10/03/20 21:01	107-13-1	
Benzene	**9470**	ug/L	2000	676	2000		10/03/20 21:26	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 21:01	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 21:01	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		10/03/20 21:01	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		10/03/20 21:01	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 21:01	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		10/03/20 21:01	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		10/03/20 21:01	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		10/03/20 21:01	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 21:01	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 21:01	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		10/03/20 21:01	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 21:01	74-95-3	
Ethylbenzene	**86.5**	ug/L	5.0	2.0	5		10/03/20 21:01	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		10/03/20 21:01	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 21:01	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		10/03/20 21:01	75-09-2	
Naphthalene	**609**	ug/L	10.0	4.1	5		10/03/20 21:01	91-20-3	
Styrene	**75.6**	ug/L	5.0	1.6	5		10/03/20 21:01	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 21:01	127-18-4	
Toluene	**3400**	ug/L	2000	634	2000		10/03/20 21:26	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		10/03/20 21:01	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		10/03/20 21:01	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		10/03/20 21:01	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 21:01	75-01-4	
Xylene (Total)	**746**	ug/L	15.0	6.8	5		10/03/20 21:01	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		10/03/20 21:01	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling-Revised Report
Pace Project No.: 30383953

Sample: CO27-PZM012 **Lab ID: 30383953003** Collected: 09/23/20 14:00 Received: 09/23/20 23:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 21:01	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 21:01	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 21:01	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		10/03/20 21:01	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	107	%.	70-130		5		10/03/20 21:01	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%.	70-130		5		10/03/20 21:01	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		5		10/03/20 21:01	2037-26-5	
Dibromofluoromethane (S)	96	%.	70-130		5		10/03/20 21:01	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling-Revised Report
Pace Project No.: 30383953

QC Batch: 416778
QC Batch Method: EPA 8260B
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30383953001, 30383953002, 30383953003

METHOD BLANK: 2015278 Matrix: Water
Associated Lab Samples: 30383953001, 30383953002, 30383953003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	10/03/20 14:06	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	10/03/20 14:06	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	10/03/20 14:06	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	10/03/20 14:06	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	10/03/20 14:06	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	10/03/20 14:06	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	10/03/20 14:06	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	10/03/20 14:06	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	10/03/20 14:06	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	10/03/20 14:06	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	10/03/20 14:06	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	10/03/20 14:06	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	10/03/20 14:06	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	10/03/20 14:06	
2-Hexanone	ug/L	10.0 U	10.0	0.58	10/03/20 14:06	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	10/03/20 14:06	
Acetone	ug/L	10.0 U	10.0	5.6	10/03/20 14:06	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	10/03/20 14:06	
Benzene	ug/L	1.0 U	1.0	0.34	10/03/20 14:06	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	10/03/20 14:06	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	10/03/20 14:06	
Bromoform	ug/L	1.0 U	1.0	0.56	10/03/20 14:06	
Bromomethane	ug/L	1.0 U	1.0	0.73	10/03/20 14:06	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	10/03/20 14:06	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	10/03/20 14:06	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	10/03/20 14:06	
Chloroethane	ug/L	1.0 U	1.0	0.64	10/03/20 14:06	
Chloroform	ug/L	1.0 U	1.0	0.39	10/03/20 14:06	
Chloromethane	ug/L	1.0 U	1.0	0.40	10/03/20 14:06	
cis-1,2-Dichloroethene	ug/L	0.70J	1.0	0.38	10/03/20 14:06	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	10/03/20 14:06	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	10/03/20 14:06	
Dibromomethane	ug/L	1.0 U	1.0	0.34	10/03/20 14:06	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	10/03/20 14:06	
Iodomethane	ug/L	50.0 U	50.0	0.52	10/03/20 14:06	CL
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	10/03/20 14:06	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	10/03/20 14:06	
Naphthalene	ug/L	2.0 U	2.0	0.82	10/03/20 14:06	
Styrene	ug/L	1.0 U	1.0	0.33	10/03/20 14:06	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	10/03/20 14:06	

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REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling-Revised Report
Pace Project No.: 30383953

METHOD BLANK: 2015278 Matrix: Water
Associated Lab Samples: 30383953001, 30383953002, 30383953003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	10/03/20 14:06	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	10/03/20 14:06	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	10/03/20 14:06	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	10/03/20 14:06	
Trichloroethene	ug/L	1.0 U	1.0	0.29	10/03/20 14:06	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	10/03/20 14:06	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	10/03/20 14:06	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	10/03/20 14:06	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	10/03/20 14:06	
1,2-Dichloroethane-d4 (S)	%.	99	70-130		10/03/20 14:06	
4-Bromofluorobenzene (S)	%.	117	70-130		10/03/20 14:06	
Dibromofluoromethane (S)	%.	106	70-130		10/03/20 14:06	
Toluene-d8 (S)	%.	97	70-130		10/03/20 14:06	

LABORATORY CONTROL SAMPLE: 2015279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.0	95	70-130	
1,1,1-Trichloroethane	ug/L	20	24.8	124	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.5	112	70-130	
1,1,2-Trichloroethane	ug/L	20	21.0	105	70-130	
1,1-Dichloroethane	ug/L	20	21.7	108	70-130	
1,1-Dichloroethene	ug/L	20	20.1	100	70-130	
1,2,3-Trichloropropane	ug/L	20	22.7	114	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	22.8	114	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	20.6	103	70-130	
1,2-Dichlorobenzene	ug/L	20	22.0	110	70-130	
1,2-Dichloroethane	ug/L	20	19.3	96	70-130	
1,2-Dichloropropane	ug/L	20	19.9	99	70-130	
1,4-Dichlorobenzene	ug/L	20	20.9	105	70-130	
2-Butanone (MEK)	ug/L	20	22.7	113	70-130	
2-Hexanone	ug/L	20	19.3	96	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	21.3	107	70-130	
Acetone	ug/L	20	24.6	123	67-173	
Acrylonitrile	ug/L	20	18.9	95	56-147	
Benzene	ug/L	20	19.8	99	70-130	
Bromochloromethane	ug/L	20	20.3	101	70-130	
Bromodichloromethane	ug/L	20	23.4	117	70-130	
Bromoform	ug/L	20	23.2	116	63-119	
Bromomethane	ug/L	20	16.7	84	24-159	
Carbon disulfide	ug/L	20	23.0	115	57-132	
Carbon tetrachloride	ug/L	20	23.7	119	70-130	
Chlorobenzene	ug/L	20	21.6	108	70-130	
Chloroethane	ug/L	20	16.4	82	62-145	

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REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling-Revised Report
Pace Project No.: 30383953

LABORATORY CONTROL SAMPLE: 2015279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	20	22.7	113	70-130	
Chloromethane	ug/L	20	16.3	82	66-140	
cis-1,2-Dichloroethene	ug/L	20	20.1	101	70-130	
cis-1,3-Dichloropropene	ug/L	20	22.0	110	70-130	
Dibromochloromethane	ug/L	20	19.0	95	70-130	
Dibromomethane	ug/L	20	19.9	99	70-130	
Ethylbenzene	ug/L	20	22.1	111	70-130	
Iodomethane	ug/L	20	7.2J	36	10-175	CL
Methyl-tert-butyl ether	ug/L	20	21.1	106	70-130	
Methylene Chloride	ug/L	20	19.7	98	70-130	
Naphthalene	ug/L	20	28.6	143	55-160	
Styrene	ug/L	20	18.3	92	70-130	
Tetrachloroethene	ug/L	20	21.8	109	70-130	
Toluene	ug/L	20	21.8	109	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.4	107	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.1	95	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	29.4	147	48-131	L1
Trichloroethene	ug/L	20	21.7	109	70-130	
Trichlorofluoromethane	ug/L	20	21.7	109	70-130	
Vinyl acetate	ug/L	20	14.7	73	33-128	
Vinyl chloride	ug/L	20	18.0	90	70-130	
Xylene (Total)	ug/L	60	64.0	107	70-130	
1,2-Dichloroethane-d4 (S)	%.			105	70-130	
4-Bromofluorobenzene (S)	%.			109	70-130	
Dibromofluoromethane (S)	%.			105	70-130	
Toluene-d8 (S)	%.			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2015280 2015281

Parameter	Units	30384185003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	5.0 U	100	100	79.7	72.8	80	73	59-117	9	30	
1,1,1-Trichloroethane	ug/L	5.0 U	100	100	110	99.6	110	100	55-146	10	30	
1,1,2,2-Tetrachloroethane	ug/L	5.0 U	100	100	93.2	84.7	93	85	55-118	9	30	
1,1,2-Trichloroethane	ug/L	5.0 U	100	100	87.4	78.1	87	78	61-122	11	30	
1,1-Dichloroethane	ug/L	5.0 U	100	100	99.0	88.0	99	88	59-130	12	30	
1,1-Dichloroethene	ug/L	5.0 U	100	100	92.3	82.7	92	83	52-119	11	30	
1,2,3-Trichloropropane	ug/L	5.0 U	100	100	94.8	84.3	95	84	59-117	12	30	
1,2-Dibromo-3-chloropropane	ug/L	25.0 U	100	100	77.4	75.8	77	76	32-112	2	30	
1,2-Dibromoethane (EDB)	ug/L	5.0 U	100	100	87.1	75.0	87	75	61-116	15	30	
1,2-Dichlorobenzene	ug/L	5.0 U	100	100	94.0	84.8	94	85	58-126	10	30	
1,2-Dichloroethane	ug/L	5.0 U	100	100	92.5	74.1	93	74	49-135	22	30	
1,2-Dichloropropane	ug/L	5.0 U	100	100	89.1	77.5	89	78	67-121	14	30	
1,4-Dichlorobenzene	ug/L	5.0 U	100	100	88.4	80.3	88	80	60-121	10	30	

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REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling-Revised Report
Pace Project No.: 30383953

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2015280 2015281

Parameter	Units	30384185003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	50.0 U	100	100	94.0	84.0	94	84	59-138	11	30	
2-Hexanone	ug/L	50.0 U	100	100	72.9	67.8	73	68	66-123	7	30	
4-Methyl-2-pentanone (MIBK)	ug/L	50.0 U	100	100	79.6	75.4	80	75	70-130	5	30	
Acetone	ug/L	50.0 U	100	100	112	111	112	111	57-140	1	30	
Acrylonitrile	ug/L	20.0 U	100	100	77.8	74.7	78	75	47-134	4	30	
Benzene	ug/L	3.0J	100	100	96.5	83.5	93	80	50-149	14	30	
Bromochloromethane	ug/L	5.0 U	100	100	82.0	80.1	82	80	63-120	2	30	
Bromodichloromethane	ug/L	5.0 U	100	100	96.5	87.0	97	87	46-131	10	30	
Bromoform	ug/L	5.0 U	100	100	83.3	79.6	83	80	30-119	5	30	
Bromomethane	ug/L	5.0 U	100	100	21.0	32.7	21	33	10-163	43	30	R1
Carbon disulfide	ug/L	5.0 U	100	100	97.2	92.4	97	92	41-116	5	30	
Carbon tetrachloride	ug/L	5.0 U	100	100	102	90.5	102	91	55-119	12	30	
Chlorobenzene	ug/L	5.0 U	100	100	95.2	85.6	95	86	66-124	11	30	
Chloroethane	ug/L	5.0 U	100	100	86.3	85.0	86	85	45-162	1	30	
Chloroform	ug/L	5.0 U	100	100	97.9	78.9	98	79	56-123	21	30	
Chloromethane	ug/L	5.0 U	100	100	70.5	67.1	71	67	49-150	5	30	
cis-1,2-Dichloroethene	ug/L	2.4J	100	100	86.7	81.5	84	79	63-116	6	30	
cis-1,3-Dichloropropene	ug/L	5.0 U	100	100	91.4	80.0	91	80	46-119	13	30	
Dibromochloromethane	ug/L	5.0 U	100	100	78.1	69.4	78	69	42-120	12	30	
Dibromomethane	ug/L	5.0 U	100	100	88.4	76.7	88	77	55-117	14	30	
Ethylbenzene	ug/L	5.0 U	100	100	96.2	87.1	96	87	63-135	10	30	
Iodomethane	ug/L	250 U	100	100	17.1J	23.4J	17	23	10-175		30	CL
Methyl-tert-butyl ether	ug/L	5.0 U	100	100	86.0	80.3	86	80	53-123	7	30	
Methylene Chloride	ug/L	5.0 U	100	100	94.8	72.2	95	72	57-132	27	30	
Naphthalene	ug/L	10.0 U	100	100	100	96.5	100	97	30-157	4	30	
Styrene	ug/L	5.0 U	100	100	79.5	71.7	80	72	58-130	10	30	
Tetrachloroethene	ug/L	5.0 U	100	100	95.2	84.4	95	84	61-132	12	30	
Toluene	ug/L	5.0 U	100	100	96.9	87.0	97	87	59-139	11	30	
trans-1,2-Dichloroethene	ug/L	5.0 U	100	100	96.7	86.3	97	86	60-124	11	30	
trans-1,3-Dichloropropene	ug/L	5.0 U	100	100	74.3	69.0	74	69	48-121	7	30	
trans-1,4-Dichloro-2-butene	ug/L	25.0 U	100	100	70.7	70.4	71	70	10-111	0	30	
Trichloroethene	ug/L	1.5J	100	100	97.3	86.4	96	85	63-128	12	30	
Trichlorofluoromethane	ug/L	5.0 U	100	100	102	96.9	102	97	70-152	5	30	
Vinyl acetate	ug/L	5.0 U	100	100	61.7	58.2	62	58	23-102	6	30	
Vinyl chloride	ug/L	5.0 U	100	100	82.7	77.6	83	78	67-141	6	30	
Xylene (Total)	ug/L	15.0 U	300	300	282	249	94	83	63-135	12	30	
1,2-Dichloroethane-d4 (S)	%.						105	97	70-130			
4-Bromofluorobenzene (S)	%.						107	109	70-130			
Dibromofluoromethane (S)	%.						105	103	70-130			
Toluene-d8 (S)	%.						103	100	70-130			

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REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling-Revised Report
Pace Project No.: 30383953

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
R1	RPD value was outside control limits.

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling-Revised Report
Pace Project No.: 30383953

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30383953001	**Trip Blank**	EPA 8260B	416778		
30383953002	**CO27-PZM046**	EPA 8260B	416778		
30383953003	**CO27-PZM012**	EPA 8260B	416778		

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Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be comple

WO# : 30383953

30383953

Section A Required Client Information:

Company:	Tradepoint Atlantic
Address:	1600 Sparrows Point Blvd
	Sparrows Point, MD 21219
Email To:	
Phone:	Fax:
Requested Due Date/TAT:	5 day

Section B Required Project Information:

Report To:	Matt Newman
Copy To:	Stew Kabis
PO Number:	
Project Name:	COA IM GW Sampling
Project Number:	

Section C Invoice Information:

Attention:	Matt Newman
Company Name:	Tradepoint Atlantic
Address:	1600 Sparrows Point Blvd Sparrows Point, Md 21219
Pace Quote Reference:	
Pace Project Manager:	Samantha Bayura
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MD

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Other	DI Water	Analysis Test Y/N	VOC + Napth by 8260	Pace Project No./ Lab I.D.
1	Trip Blank	WT	G			9/23/20	—		2				2					X	X	
2	CO27-PZM046	WT	G				1345		3				3					X	X	
3	CO27-PZM004	WT	G				1400		3				3					X	X	
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

001
002
003

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Sample Conditions		
Data Package Required? (Y/N):		9/23/20	1545	PACE	9/23/20	1620			
Data Validation Required? (Y/N):	PACE	9/23/20	2010	RDS PACE	9-23-20	2015		Y	
If data package is required, attach data package checklist.	RDS PACE	9/23 20	2330	[illegible]	9-23-2020	2330	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lisa Perrone

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 9/23/20

Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Tradepoint Atlantic Project # #30383953

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Label MC
LIMS Login MC

Tracking #: N/A

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used 11 Type of Ice: Wet Blue None

Cooler Temperature Observed Temp 2.4 °C Correction Factor: .4 °C Final Temp: 2.0 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# N/A	Date and Initials of person examining contents: MC 9/24/2020
Chain of Custody Present:	✓			1.	
Chain of Custody Filled Out:	✓			2.	
Chain of Custody Relinquished:	✓			3.	
Sampler Name & Signature on COC:	✓			4.	
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.	
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):		✓		7.	
Rush Turn Around Time Requested:	✓			8.	
Sufficient Volume:	✓			9.	
Correct Containers Used: -Pace Containers Used:	✓ ✓			10.	
Containers Intact:	✓			11.	
Orthophosphate field filtered			✓	12.	
Hex Cr Aqueous sample field filtered			✓	13.	
Organic Samples checked for dechlorination:			✓	14.	
Filtered volume received for Dissolved tests			✓	15.	
All containers have been checked for preservation. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix		✓		16.	
All containers meet method preservation requirements.	✓			Initial when completed MC	Date/time of preservation
				Lot # of added preservative	
Headspace in VOA Vials (>6mm):		✓		17.	
Trip Blank Present:	✓			18.	
Trip Blank Custody Seals Present	✓				
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed:	Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

October 05, 2020

Mr. Matthew Newman
Tradepoint Atlantic
1600 Sparrow's Point Boulevard
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30384185

Dear Mr. Newman:

Enclosed are the analytical results for sample(s) received by the laboratory on September 24, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

cc: Ms. Penny Gardner, Environmental Data Quality, Inc.
J.Price, ARM Group Inc.
Mr. Stewart Kabis, ARM Group Inc.
Mr. Eric S. Magdar, ARM Group Inc.
Ms. Shawne M. Rodgers, Environmental Data Quality, Inc.

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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30384185

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30384185

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30384185001	**Trip Blank**	Water	09/24/20 00:01	09/24/20 22:30
30384185002	**CO43-PZM048**	Water	09/24/20 12:40	09/24/20 22:30
30384185003	**CO44-PZM048**	Water	09/24/20 12:10	09/24/20 22:30
30384185004	**CO45-PZM047**	Water	09/24/20 13:15	09/24/20 22:30
30384185005	**CO46-PZM047**	Water	09/24/20 13:40	09/24/20 22:30
30384185006	**CO47-PZM046**	Water	09/24/20 14:55	09/24/20 22:30
30384185007	**CO48-PZM044**	Water	09/24/20 14:05	09/24/20 22:30

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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30384185

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30384185001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30384185002	**CO43-PZM048**	EPA 8260B	LEL	53	PASI-PA
30384185003	**CO44-PZM048**	EPA 8260B	LEL	53	PASI-PA
30384185004	**CO45-PZM047**	EPA 8260B	LEL	53	PASI-PA
30384185005	**CO46-PZM047**	EPA 8260B	LEL	53	PASI-PA
30384185006	**CO47-PZM046**	EPA 8260B	LEL	53	PASI-PA
30384185007	**CO48-PZM044**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384185

Sample: Trip Blank **Lab ID: 30384185001** Collected: 09/24/20 00:01 Received: 09/24/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		10/03/20 14:55	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		10/03/20 14:55	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		10/03/20 14:55	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/03/20 14:55	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		10/03/20 14:55	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		10/03/20 14:55	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		10/03/20 14:55	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		10/03/20 14:55	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		10/03/20 14:55	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		10/03/20 14:55	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/03/20 14:55	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		10/03/20 14:55	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		10/03/20 14:55	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		10/03/20 14:55	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		10/03/20 14:55	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		10/03/20 14:55	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		10/03/20 14:55	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		10/03/20 14:55	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		10/03/20 14:55	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		10/03/20 14:55	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		10/03/20 14:55	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		10/03/20 14:55	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		10/03/20 14:55	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		10/03/20 14:55	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		10/03/20 14:55	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		10/03/20 14:55	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		10/03/20 14:55	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		10/03/20 14:55	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		10/03/20 14:55	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		10/03/20 14:55	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		10/03/20 14:55	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		10/03/20 14:55	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		10/03/20 14:55	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		10/03/20 14:55	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		10/03/20 14:55	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		10/03/20 14:55	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		10/03/20 14:55	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		10/03/20 14:55	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		10/03/20 14:55	108-88-3	
Trichloroethene	**0.29J**	ug/L	1.0	0.29	1		10/03/20 14:55	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		10/03/20 14:55	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		10/03/20 14:55	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		10/03/20 14:55	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		10/03/20 14:55	1330-20-7	
cis-1,2-Dichloroethene	**0.53J**	ug/L	1.0	0.38	1		10/03/20 14:55	156-59-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384185

Sample: Trip Blank **Lab ID: 30384185001** Collected: 09/24/20 00:01 Received: 09/24/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		10/03/20 14:55	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		10/03/20 14:55	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		10/03/20 14:55	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		10/03/20 14:55	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	116	%.	70-130		1		10/03/20 14:55	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%.	70-130		1		10/03/20 14:55	17060-07-0	
Toluene-d8 (S)	98	%.	70-130		1		10/03/20 14:55	2037-26-5	
Dibromofluoromethane (S)	107	%.	70-130		1		10/03/20 14:55	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384185

Sample: CO43-PZM048 **Lab ID: 30384185002** Collected: 09/24/20 12:40 Received: 09/24/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		10/03/20 16:08	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		10/03/20 16:08	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		10/03/20 16:08	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/03/20 16:08	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		10/03/20 16:08	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		10/03/20 16:08	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		10/03/20 16:08	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		10/03/20 16:08	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		10/03/20 16:08	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		10/03/20 16:08	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/03/20 16:08	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		10/03/20 16:08	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		10/03/20 16:08	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		10/03/20 16:08	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		10/03/20 16:08	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		10/03/20 16:08	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		10/03/20 16:08	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		10/03/20 16:08	107-13-1	
Benzene	**2.6**	ug/L	1.0	0.34	1		10/03/20 16:08	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		10/03/20 16:08	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		10/03/20 16:08	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		10/03/20 16:08	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		10/03/20 16:08	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		10/03/20 16:08	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		10/03/20 16:08	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		10/03/20 16:08	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		10/03/20 16:08	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		10/03/20 16:08	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		10/03/20 16:08	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		10/03/20 16:08	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		10/03/20 16:08	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		10/03/20 16:08	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		10/03/20 16:08	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		10/03/20 16:08	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		10/03/20 16:08	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		10/03/20 16:08	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		10/03/20 16:08	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		10/03/20 16:08	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		10/03/20 16:08	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		10/03/20 16:08	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		10/03/20 16:08	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		10/03/20 16:08	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		10/03/20 16:08	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		10/03/20 16:08	1330-20-7	
cis-1,2-Dichloroethene	**0.41J**	ug/L	1.0	0.38	1		10/03/20 16:08	156-59-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384185

Sample: CO43-PZM048 **Lab ID: 30384185002** Collected: 09/24/20 12:40 Received: 09/24/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		10/03/20 16:08	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		10/03/20 16:08	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		10/03/20 16:08	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		10/03/20 16:08	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	117	%.	70-130		1		10/03/20 16:08	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%.	70-130		1		10/03/20 16:08	17060-07-0	
Toluene-d8 (S)	98	%.	70-130		1		10/03/20 16:08	2037-26-5	
Dibromofluoromethane (S)	107	%.	70-130		1		10/03/20 16:08	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384185

Sample: CO44-PZM048 **Lab ID: 30384185003** Collected: 09/24/20 12:10 Received: 09/24/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		10/03/20 15:20	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		10/03/20 15:20	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 15:20	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 15:20	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 15:20	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 15:20	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		10/03/20 15:20	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		10/03/20 15:20	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		10/03/20 15:20	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		10/03/20 15:20	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 15:20	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 15:20	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 15:20	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		10/03/20 15:20	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		10/03/20 15:20	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		10/03/20 15:20	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		10/03/20 15:20	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		10/03/20 15:20	107-13-1	
Benzene	**3.0J**	ug/L	5.0	1.7	5		10/03/20 15:20	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 15:20	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 15:20	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		10/03/20 15:20	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		10/03/20 15:20	74-83-9	R1
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 15:20	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		10/03/20 15:20	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		10/03/20 15:20	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		10/03/20 15:20	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 15:20	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 15:20	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		10/03/20 15:20	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 15:20	74-95-3	
Ethylbenzene	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 15:20	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		10/03/20 15:20	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 15:20	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		10/03/20 15:20	75-09-2	
Naphthalene	**10.0 U**	ug/L	10.0	4.1	5		10/03/20 15:20	91-20-3	
Styrene	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 15:20	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 15:20	127-18-4	
Toluene	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 15:20	108-88-3	
Trichloroethene	**1.5J**	ug/L	5.0	1.5	5		10/03/20 15:20	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		10/03/20 15:20	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		10/03/20 15:20	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 15:20	75-01-4	
Xylene (Total)	**15.0 U**	ug/L	15.0	6.8	5		10/03/20 15:20	1330-20-7	
cis-1,2-Dichloroethene	**2.4J**	ug/L	5.0	1.9	5		10/03/20 15:20	156-59-2	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384185

Sample: CO44-PZM048 **Lab ID: 30384185003** Collected: 09/24/20 12:10 Received: 09/24/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 15:20	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 15:20	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 15:20	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		10/03/20 15:20	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	114	%.	70-130		5		10/03/20 15:20	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%.	70-130		5		10/03/20 15:20	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		5		10/03/20 15:20	2037-26-5	
Dibromofluoromethane (S)	110	%.	70-130		5		10/03/20 15:20	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384185

Sample: CO45-PZM047 **Lab ID: 30384185004** Collected: 09/24/20 13:15 Received: 09/24/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		10/03/20 15:44	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		10/03/20 15:44	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 15:44	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 15:44	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 15:44	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 15:44	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		10/03/20 15:44	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		10/03/20 15:44	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		10/03/20 15:44	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		10/03/20 15:44	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 15:44	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 15:44	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 15:44	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		10/03/20 15:44	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		10/03/20 15:44	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		10/03/20 15:44	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		10/03/20 15:44	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		10/03/20 15:44	107-13-1	
Benzene	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 15:44	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 15:44	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 15:44	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		10/03/20 15:44	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		10/03/20 15:44	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 15:44	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		10/03/20 15:44	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		10/03/20 15:44	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		10/03/20 15:44	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 15:44	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 15:44	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		10/03/20 15:44	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 15:44	74-95-3	
Ethylbenzene	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 15:44	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		10/03/20 15:44	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 15:44	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		10/03/20 15:44	75-09-2	
Naphthalene	**10.0 U**	ug/L	10.0	4.1	5		10/03/20 15:44	91-20-3	
Styrene	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 15:44	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 15:44	127-18-4	
Toluene	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 15:44	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		10/03/20 15:44	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		10/03/20 15:44	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		10/03/20 15:44	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 15:44	75-01-4	
Xylene (Total)	**15.0 U**	ug/L	15.0	6.8	5		10/03/20 15:44	1330-20-7	
cis-1,2-Dichloroethene	**2.4J**	ug/L	5.0	1.9	5		10/03/20 15:44	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384185

Sample: CO45-PZM047 **Lab ID: 30384185004** Collected: 09/24/20 13:15 Received: 09/24/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 15:44	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 15:44	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 15:44	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		10/03/20 15:44	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	114	%.	70-130		5		10/03/20 15:44	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		5		10/03/20 15:44	17060-07-0	
Toluene-d8 (S)	96	%.	70-130		5		10/03/20 15:44	2037-26-5	
Dibromofluoromethane (S)	110	%.	70-130		5		10/03/20 15:44	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384185

Sample: CO46-PZM047 **Lab ID: 30384185005** Collected: 09/24/20 13:40 Received: 09/24/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		10/03/20 17:46	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		10/03/20 17:46	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 17:46	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 17:46	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 17:46	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 17:46	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		10/03/20 17:46	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		10/03/20 17:46	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		10/03/20 17:46	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		10/03/20 17:46	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 17:46	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 17:46	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 17:46	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		10/03/20 17:46	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		10/03/20 17:46	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		10/03/20 17:46	108-10-1	
Acetone	**53.5**	ug/L	50.0	28.0	5		10/03/20 17:46	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		10/03/20 17:46	107-13-1	
Benzene	**29200**	ug/L	200	67.6	200		10/03/20 18:10	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 17:46	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 17:46	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		10/03/20 17:46	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		10/03/20 17:46	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 17:46	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		10/03/20 17:46	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		10/03/20 17:46	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		10/03/20 17:46	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 17:46	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 17:46	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		10/03/20 17:46	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 17:46	74-95-3	
Ethylbenzene	**229**	ug/L	5.0	2.0	5		10/03/20 17:46	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		10/03/20 17:46	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 17:46	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		10/03/20 17:46	75-09-2	
Naphthalene	**726**	ug/L	10.0	4.1	5		10/03/20 17:46	91-20-3	
Styrene	**26.4**	ug/L	5.0	1.6	5		10/03/20 17:46	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 17:46	127-18-4	
Toluene	**2270**	ug/L	200	63.4	200		10/03/20 18:10	108-88-3	
Trichloroethene	**1.7J**	ug/L	5.0	1.5	5		10/03/20 17:46	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		10/03/20 17:46	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		10/03/20 17:46	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 17:46	75-01-4	
Xylene (Total)	**1320**	ug/L	15.0	6.8	5		10/03/20 17:46	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		10/03/20 17:46	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384185

Sample: CO46-PZM047 **Lab ID: 30384185005** Collected: 09/24/20 13:40 Received: 09/24/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 17:46	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 17:46	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 17:46	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		10/03/20 17:46	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	106	%.	70-130		5		10/03/20 17:46	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%.	70-130		5		10/03/20 17:46	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		5		10/03/20 17:46	2037-26-5	
Dibromofluoromethane (S)	88	%.	70-130		5		10/03/20 17:46	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384185

Sample: CO47-PZM046 **Lab ID: 30384185006** Collected: 09/24/20 14:55 Received: 09/24/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		10/03/20 18:59	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		10/03/20 18:59	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 18:59	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 18:59	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 18:59	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 18:59	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		10/03/20 18:59	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		10/03/20 18:59	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		10/03/20 18:59	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		10/03/20 18:59	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 18:59	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 18:59	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 18:59	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		10/03/20 18:59	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		10/03/20 18:59	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		10/03/20 18:59	108-10-1	
Acetone	**40.5J**	ug/L	50.0	28.0	5		10/03/20 18:59	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		10/03/20 18:59	107-13-1	
Benzene	**31800**	ug/L	200	67.6	200		10/03/20 19:24	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 18:59	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 18:59	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		10/03/20 18:59	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		10/03/20 18:59	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 18:59	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		10/03/20 18:59	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		10/03/20 18:59	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		10/03/20 18:59	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 18:59	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 18:59	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		10/03/20 18:59	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 18:59	74-95-3	
Ethylbenzene	**292**	ug/L	5.0	2.0	5		10/03/20 18:59	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		10/03/20 18:59	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 18:59	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		10/03/20 18:59	75-09-2	
Naphthalene	**1290**	ug/L	10.0	4.1	5		10/03/20 18:59	91-20-3	
Styrene	**204**	ug/L	5.0	1.6	5		10/03/20 18:59	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 18:59	127-18-4	
Toluene	**7540**	ug/L	200	63.4	200		10/03/20 19:24	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		10/03/20 18:59	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		10/03/20 18:59	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		10/03/20 18:59	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 18:59	75-01-4	
Xylene (Total)	**2300**	ug/L	15.0	6.8	5		10/03/20 18:59	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		10/03/20 18:59	156-59-2	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384185

Sample: CO47-PZM046 **Lab ID: 30384185006** Collected: 09/24/20 14:55 Received: 09/24/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 18:59	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 18:59	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 18:59	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		10/03/20 18:59	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		5		10/03/20 18:59	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%.	70-130		5		10/03/20 18:59	17060-07-0	
Toluene-d8 (S)	102	%.	70-130		5		10/03/20 18:59	2037-26-5	
Dibromofluoromethane (S)	84	%.	70-130		5		10/03/20 18:59	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384185

Sample: CO48-PZM044 **Lab ID: 30384185007** Collected: 09/24/20 14:05 Received: 09/24/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		10/03/20 16:57	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		10/03/20 16:57	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 16:57	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 16:57	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 16:57	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 16:57	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		10/03/20 16:57	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		10/03/20 16:57	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		10/03/20 16:57	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		10/03/20 16:57	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 16:57	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 16:57	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 16:57	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		10/03/20 16:57	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		10/03/20 16:57	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		10/03/20 16:57	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		10/03/20 16:57	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		10/03/20 16:57	107-13-1	
Benzene	**16800**	ug/L	500	169	500		10/03/20 17:22	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		10/03/20 16:57	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 16:57	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		10/03/20 16:57	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		10/03/20 16:57	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 16:57	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		10/03/20 16:57	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		10/03/20 16:57	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		10/03/20 16:57	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 16:57	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 16:57	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		10/03/20 16:57	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		10/03/20 16:57	74-95-3	
Ethylbenzene	**237**	ug/L	5.0	2.0	5		10/03/20 16:57	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		10/03/20 16:57	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		10/03/20 16:57	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		10/03/20 16:57	75-09-2	
Naphthalene	**1180**	ug/L	10.0	4.1	5		10/03/20 16:57	91-20-3	
Styrene	**309**	ug/L	5.0	1.6	5		10/03/20 16:57	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		10/03/20 16:57	127-18-4	
Toluene	**8490**	ug/L	500	158	500		10/03/20 17:22	108-88-3	
Trichloroethene	**1.6J**	ug/L	5.0	1.5	5		10/03/20 16:57	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		10/03/20 16:57	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		10/03/20 16:57	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 16:57	75-01-4	
Xylene (Total)	**2010**	ug/L	15.0	6.8	5		10/03/20 16:57	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		10/03/20 16:57	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384185

Sample: CO48-PZM044 **Lab ID: 30384185007** Collected: 09/24/20 14:05 Received: 09/24/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 16:57	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		10/03/20 16:57	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		10/03/20 16:57	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		10/03/20 16:57	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		5		10/03/20 16:57	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%.	70-130		5		10/03/20 16:57	17060-07-0	
Toluene-d8 (S)	102	%.	70-130		5		10/03/20 16:57	2037-26-5	
Dibromofluoromethane (S)	85	%.	70-130		5		10/03/20 16:57	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30384185

QC Batch: 416778 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30384185001, 30384185002, 30384185003, 30384185004, 30384185005, 30384185006, 30384185007

METHOD BLANK: 2015278 Matrix: Water
Associated Lab Samples: 30384185001, 30384185002, 30384185003, 30384185004, 30384185005, 30384185006, 30384185007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	10/03/20 14:06	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	10/03/20 14:06	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	10/03/20 14:06	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	10/03/20 14:06	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	10/03/20 14:06	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	10/03/20 14:06	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	10/03/20 14:06	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	10/03/20 14:06	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	10/03/20 14:06	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	10/03/20 14:06	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	10/03/20 14:06	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	10/03/20 14:06	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	10/03/20 14:06	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	10/03/20 14:06	
2-Hexanone	ug/L	10.0 U	10.0	0.58	10/03/20 14:06	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	10/03/20 14:06	
Acetone	ug/L	10.0 U	10.0	5.6	10/03/20 14:06	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	10/03/20 14:06	
Benzene	ug/L	1.0 U	1.0	0.34	10/03/20 14:06	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	10/03/20 14:06	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	10/03/20 14:06	
Bromoform	ug/L	1.0 U	1.0	0.56	10/03/20 14:06	
Bromomethane	ug/L	1.0 U	1.0	0.73	10/03/20 14:06	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	10/03/20 14:06	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	10/03/20 14:06	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	10/03/20 14:06	
Chloroethane	ug/L	1.0 U	1.0	0.64	10/03/20 14:06	
Chloroform	ug/L	1.0 U	1.0	0.39	10/03/20 14:06	
Chloromethane	ug/L	1.0 U	1.0	0.40	10/03/20 14:06	
cis-1,2-Dichloroethene	ug/L	0.70J	1.0	0.38	10/03/20 14:06	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	10/03/20 14:06	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	10/03/20 14:06	
Dibromomethane	ug/L	1.0 U	1.0	0.34	10/03/20 14:06	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	10/03/20 14:06	
Iodomethane	ug/L	50.0 U	50.0	0.52	10/03/20 14:06	CL
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	10/03/20 14:06	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	10/03/20 14:06	
Naphthalene	ug/L	2.0 U	2.0	0.82	10/03/20 14:06	
Styrene	ug/L	1.0 U	1.0	0.33	10/03/20 14:06	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	10/03/20 14:06	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30384185

METHOD BLANK: 2015278 Matrix: Water
Associated Lab Samples: 30384185001, 30384185002, 30384185003, 30384185004, 30384185005, 30384185006, 30384185007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	10/03/20 14:06	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	10/03/20 14:06	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	10/03/20 14:06	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	10/03/20 14:06	
Trichloroethene	ug/L	1.0 U	1.0	0.29	10/03/20 14:06	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	10/03/20 14:06	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	10/03/20 14:06	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	10/03/20 14:06	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	10/03/20 14:06	
1,2-Dichloroethane-d4 (S)	%.	99	70-130		10/03/20 14:06	
4-Bromofluorobenzene (S)	%.	117	70-130		10/03/20 14:06	
Dibromofluoromethane (S)	%.	106	70-130		10/03/20 14:06	
Toluene-d8 (S)	%.	97	70-130		10/03/20 14:06	

LABORATORY CONTROL SAMPLE: 2015279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.0	95	70-130	
1,1,1-Trichloroethane	ug/L	20	24.8	124	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.5	112	70-130	
1,1,2-Trichloroethane	ug/L	20	21.0	105	70-130	
1,1-Dichloroethane	ug/L	20	21.7	108	70-130	
1,1-Dichloroethene	ug/L	20	20.1	100	70-130	
1,2,3-Trichloropropane	ug/L	20	22.7	114	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	22.8	114	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	20.6	103	70-130	
1,2-Dichlorobenzene	ug/L	20	22.0	110	70-130	
1,2-Dichloroethane	ug/L	20	19.3	96	70-130	
1,2-Dichloropropane	ug/L	20	19.9	99	70-130	
1,4-Dichlorobenzene	ug/L	20	20.9	105	70-130	
2-Butanone (MEK)	ug/L	20	22.7	113	70-130	
2-Hexanone	ug/L	20	19.3	96	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	21.3	107	70-130	
Acetone	ug/L	20	24.6	123	67-173	
Acrylonitrile	ug/L	20	18.9	95	56-147	
Benzene	ug/L	20	19.8	99	70-130	
Bromochloromethane	ug/L	20	20.3	101	70-130	
Bromodichloromethane	ug/L	20	23.4	117	70-130	
Bromoform	ug/L	20	23.2	116	63-119	
Bromomethane	ug/L	20	16.7	84	24-159	
Carbon disulfide	ug/L	20	23.0	115	57-132	
Carbon tetrachloride	ug/L	20	23.7	119	70-130	
Chlorobenzene	ug/L	20	21.6	108	70-130	
Chloroethane	ug/L	20	16.4	82	62-145	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30384185

LABORATORY CONTROL SAMPLE: 2015279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	20	22.7	113	70-130	
Chloromethane	ug/L	20	16.3	82	66-140	
cis-1,2-Dichloroethene	ug/L	20	20.1	101	70-130	
cis-1,3-Dichloropropene	ug/L	20	22.0	110	70-130	
Dibromochloromethane	ug/L	20	19.0	95	70-130	
Dibromomethane	ug/L	20	19.9	99	70-130	
Ethylbenzene	ug/L	20	22.1	111	70-130	
Iodomethane	ug/L	20	7.2J	36	10-175	CL
Methyl-tert-butyl ether	ug/L	20	21.1	106	70-130	
Methylene Chloride	ug/L	20	19.7	98	70-130	
Naphthalene	ug/L	20	28.6	143	55-160	
Styrene	ug/L	20	18.3	92	70-130	
Tetrachloroethene	ug/L	20	21.8	109	70-130	
Toluene	ug/L	20	21.8	109	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.4	107	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.1	95	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	29.4	147	48-131	L1
Trichloroethene	ug/L	20	21.7	109	70-130	
Trichlorofluoromethane	ug/L	20	21.7	109	70-130	
Vinyl acetate	ug/L	20	14.7	73	33-128	
Vinyl chloride	ug/L	20	18.0	90	70-130	
Xylene (Total)	ug/L	60	64.0	107	70-130	
1,2-Dichloroethane-d4 (S)	%.			105	70-130	
4-Bromofluorobenzene (S)	%.			109	70-130	
Dibromofluoromethane (S)	%.			105	70-130	
Toluene-d8 (S)	%.			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2015280 2015281

Parameter	Units	30384185003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	5.0 U	100	100	79.7	72.8	80	73	59-117	9	30	
1,1,1-Trichloroethane	ug/L	5.0 U	100	100	110	99.6	110	100	55-146	10	30	
1,1,2,2-Tetrachloroethane	ug/L	5.0 U	100	100	93.2	84.7	93	85	55-118	9	30	
1,1,2-Trichloroethane	ug/L	5.0 U	100	100	87.4	78.1	87	78	61-122	11	30	
1,1-Dichloroethane	ug/L	5.0 U	100	100	99.0	88.0	99	88	59-130	12	30	
1,1-Dichloroethene	ug/L	5.0 U	100	100	92.3	82.7	92	83	52-119	11	30	
1,2,3-Trichloropropane	ug/L	5.0 U	100	100	94.8	84.3	95	84	59-117	12	30	
1,2-Dibromo-3-chloropropane	ug/L	25.0 U	100	100	77.4	75.8	77	76	32-112	2	30	
1,2-Dibromoethane (EDB)	ug/L	5.0 U	100	100	87.1	75.0	87	75	61-116	15	30	
1,2-Dichlorobenzene	ug/L	5.0 U	100	100	94.0	84.8	94	85	58-126	10	30	
1,2-Dichloroethane	ug/L	5.0 U	100	100	92.5	74.1	93	74	49-135	22	30	
1,2-Dichloropropane	ug/L	5.0 U	100	100	89.1	77.5	89	78	67-121	14	30	
1,4-Dichlorobenzene	ug/L	5.0 U	100	100	88.4	80.3	88	80	60-121	10	30	

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REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30384185

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2015280 2015281

Parameter	Units	30384185003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	50.0 U	100	100	94.0	84.0	94	84	59-138	11	30	
2-Hexanone	ug/L	50.0 U	100	100	72.9	67.8	73	68	66-123	7	30	
4-Methyl-2-pentanone (MIBK)	ug/L	50.0 U	100	100	79.6	75.4	80	75	70-130	5	30	
Acetone	ug/L	50.0 U	100	100	112	111	112	111	57-140	1	30	
Acrylonitrile	ug/L	20.0 U	100	100	77.8	74.7	78	75	47-134	4	30	
Benzene	ug/L	3.0J	100	100	96.5	83.5	93	80	50-149	14	30	
Bromochloromethane	ug/L	5.0 U	100	100	82.0	80.1	82	80	63-120	2	30	
Bromodichloromethane	ug/L	5.0 U	100	100	96.5	87.0	97	87	46-131	10	30	
Bromoform	ug/L	5.0 U	100	100	83.3	79.6	83	80	30-119	5	30	
Bromomethane	ug/L	5.0 U	100	100	21.0	32.7	21	33	10-163	43	30	R1
Carbon disulfide	ug/L	5.0 U	100	100	97.2	92.4	97	92	41-116	5	30	
Carbon tetrachloride	ug/L	5.0 U	100	100	102	90.5	102	91	55-119	12	30	
Chlorobenzene	ug/L	5.0 U	100	100	95.2	85.6	95	86	66-124	11	30	
Chloroethane	ug/L	5.0 U	100	100	86.3	85.0	86	85	45-162	1	30	
Chloroform	ug/L	5.0 U	100	100	97.9	78.9	98	79	56-123	21	30	
Chloromethane	ug/L	5.0 U	100	100	70.5	67.1	71	67	49-150	5	30	
cis-1,2-Dichloroethene	ug/L	2.4J	100	100	86.7	81.5	84	79	63-116	6	30	
cis-1,3-Dichloropropene	ug/L	5.0 U	100	100	91.4	80.0	91	80	46-119	13	30	
Dibromochloromethane	ug/L	5.0 U	100	100	78.1	69.4	78	69	42-120	12	30	
Dibromomethane	ug/L	5.0 U	100	100	88.4	76.7	88	77	55-117	14	30	
Ethylbenzene	ug/L	5.0 U	100	100	96.2	87.1	96	87	63-135	10	30	
Iodomethane	ug/L	250 U	100	100	17.1J	23.4J	17	23	10-175		30	CL
Methyl-tert-butyl ether	ug/L	5.0 U	100	100	86.0	80.3	86	80	53-123	7	30	
Methylene Chloride	ug/L	5.0 U	100	100	94.8	72.2	95	72	57-132	27	30	
Naphthalene	ug/L	10.0 U	100	100	100	96.5	100	97	30-157	4	30	
Styrene	ug/L	5.0 U	100	100	79.5	71.7	80	72	58-130	10	30	
Tetrachloroethene	ug/L	5.0 U	100	100	95.2	84.4	95	84	61-132	12	30	
Toluene	ug/L	5.0 U	100	100	96.9	87.0	97	87	59-139	11	30	
trans-1,2-Dichloroethene	ug/L	5.0 U	100	100	96.7	86.3	97	86	60-124	11	30	
trans-1,3-Dichloropropene	ug/L	5.0 U	100	100	74.3	69.0	74	69	48-121	7	30	
trans-1,4-Dichloro-2-butene	ug/L	25.0 U	100	100	70.7	70.4	71	70	10-111	0	30	
Trichloroethene	ug/L	1.5J	100	100	97.3	86.4	96	85	63-128	12	30	
Trichlorofluoromethane	ug/L	5.0 U	100	100	102	96.9	102	97	70-152	5	30	
Vinyl acetate	ug/L	5.0 U	100	100	61.7	58.2	62	58	23-102	6	30	
Vinyl chloride	ug/L	5.0 U	100	100	82.7	77.6	83	78	67-141	6	30	
Xylene (Total)	ug/L	15.0 U	300	300	282	249	94	83	63-135	12	30	
1,2-Dichloroethane-d4 (S)	%.						105	97	70-130			
4-Bromofluorobenzene (S)	%.						107	109	70-130			
Dibromofluoromethane (S)	%.						105	103	70-130			
Toluene-d8 (S)	%.						103	100	70-130			

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REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30384185

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
R1	RPD value was outside control limits.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30384185

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30384185001	**Trip Blank**	EPA 8260B	416778		
30384185002	**CO43-PZM048**	EPA 8260B	416778		
30384185003	**CO44-PZM048**	EPA 8260B	416778		
30384185004	**CO45-PZM047**	EPA 8260B	416778		
30384185005	**CO46-PZM047**	EPA 8260B	416778		
30384185006	**CO47-PZM046**	EPA 8260B	416778		
30384185007	**CO48-PZM044**	EPA 8260B	416778		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be c

WO# : 30384185

30384185

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Tradepoint Atlantic	Report To:	Matt Newman	Attention:	Matt Newman
Address:	1600 Sparrows Point Blvd	Copy To:	Stew Kabis	Company Name:	Tradepoint Atlantic
	Sparrows Point, MD 21219			Address:	1600 Sparrows Point Blvd Sparrows Point, Md 21219
Email To:		PO Number:		Pace Quote Reference:	
Phone:	Fax:	Project Name:	COA IM GW Sampling	Pace Project Manager:	Samantha Bayura
Requested Due Date/TAT:	5 day	Project Number:		Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MD

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Other	DI Water	Analysis Test Y/N	VOC + Napth by 8260	Pace Project No./ Lab I.D.
1	Trip Blank	WT	G			9/24/20	—		2				2						X	
2	C043-PZM048	WT	G				1240		3				3						X	
3	C044-PZM048	WT	G				1210		3				3						X	
4	C045-PZM047	WT	G				1315		3				3						X	
5	C046-PZM047	WT	G				1340		3				3						X	
6	C047-PZM046	WT	G				1455		3				3						X	
7	C048-PZM044	WT	G				1405		3				3						X	
8																				
9																				
10																				
11																				
12																				

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

Pace Project No./ Lab I.D.: 001 002 003 004 005 006 007

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Sample Conditions: Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Data Package Required? (Y/N):		9/24/20	1535	Pace	9/24/20	1535			
Data Validation Required? (Y/N):	Pace	9/24/20	1930	RDS TACC	9/24/20	1935	Y		
If data package is required, attach data package checklist.	RDS PACE	9/24/20	2230	[illegible]	9/24/20	2350	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lisa LPerna

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 9/24/20

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.06, 2-Feb-2007

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Trackpoint Atlantic Project # #-30384185

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Label ML
LIMS Login ML

Tracking #: N/A

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Thermometer Used 11 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 3.4 °C Correction Factor: .4 °C Final Temp: 3.7 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# N/A	Date and initials of person examining contents: ML 9/25/2020
Chain of Custody Present:	✓			1.	
Chain of Custody Filled Out:	✓			2.	
Chain of Custody Relinquished:	✓			3.	
Sampler Name & Signature on COC:	✓			4.	
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.	
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):		✓		7.	
Rush Turn Around Time Requested:	✓			8.	
Sufficient Volume:	✓			9.	
Correct Containers Used: -Pace Containers Used:	✓ ✓			10.	
Containers Intact:	✓			11.	
Orthophosphate field filtered			✓	12.	
Hex Cr Aqueous sample field filtered			✓	13.	
Organic Samples checked for dechlorination:			✓	14.	
Filtered volume received for Dissolved tests			✓	15.	
All containers have been checked for preservation. exceptions: (VOA), coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix		✓		16.	
All containers meet method preservation requirements.	✓			Initial when completed ML	Date/time of preservation
				Lot # of added preservative	
Headspace in VOA Vials (>6mm):		✓		17.	
Trip Blank Present:	✓			18.	
Trip Blank Custody Seals Present	✓				
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed:	Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

October 07, 2020

Mr. Matthew Newman
Tradepoint Atlantic
1600 Sparrow's Point Boulevard
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30384469

Dear Mr. Newman:

Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

cc: Ms. Penny Gardner, Environmental Data Quality, Inc.
J.Price, ARM Group Inc.
Mr. Stewart Kabis, ARM Group Inc.
Mr. Eric S. Magdar, ARM Group Inc.
Ms. Shawne M. Rodgers, Environmental Data Quality, Inc.

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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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Greensburg, PA 15601
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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30384469

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30384469001	**Trip Blank**	Water	09/28/20 00:01	09/28/20 22:15
30384469002	**CO42-PZM004**	Water	09/28/20 09:55	09/28/20 22:15
30384469003	**CO72-PZM005**	Water	09/28/20 10:20	09/28/20 22:15
30384469004	**CO71-PZM006**	Water	09/28/20 10:40	09/28/20 22:15
30384469005	**CO70-PZM005**	Water	09/28/20 11:05	09/28/20 22:15
30384469006	**CO69-PZM005**	Water	09/28/20 11:30	09/28/20 22:15
30384469007	**CO68-PZM005**	Water	09/28/20 11:55	09/28/20 22:15
30384469008	**CO67-PZM006**	Water	09/28/20 12:20	09/28/20 22:15
30384469009	**CO66-PZM005**	Water	09/28/20 12:50	09/28/20 22:15
30384469010	**CO64-PZM006**	Water	09/28/20 13:25	09/28/20 22:15
30384469011	**CO63-PZM007**	Water	09/28/20 13:45	09/28/20 22:15
30384469012	**CO61-PZM007**	Water	09/28/20 15:10	09/28/20 22:15

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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30384469

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30384469001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30384469002	**CO42-PZM004**	EPA 8260B	LEL	53	PASI-PA
30384469003	**CO72-PZM005**	EPA 8260B	LEL	53	PASI-PA
30384469004	**CO71-PZM006**	EPA 8260B	LEL	53	PASI-PA
30384469005	**CO70-PZM005**	EPA 8260B	LEL	53	PASI-PA
30384469006	**CO69-PZM005**	EPA 8260B	LEL	53	PASI-PA
30384469007	**CO68-PZM005**	EPA 8260B	LEL	53	PASI-PA
30384469008	**CO67-PZM006**	EPA 8260B	LEL	53	PASI-PA
30384469009	**CO66-PZM005**	EPA 8260B	LEL	53	PASI-PA
30384469010	**CO64-PZM006**	EPA 8260B	LEL	53	PASI-PA
30384469011	**CO63-PZM007**	EPA 8260B	LEL	53	PASI-PA
30384469012	**CO61-PZM007**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: Trip Blank **Lab ID: 30384469001** Collected: 09/28/20 00:01 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		10/05/20 13:45	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		10/05/20 13:45	71-55-6	L1
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		10/05/20 13:45	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/05/20 13:45	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		10/05/20 13:45	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		10/05/20 13:45	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		10/05/20 13:45	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		10/05/20 13:45	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		10/05/20 13:45	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		10/05/20 13:45	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/05/20 13:45	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		10/05/20 13:45	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		10/05/20 13:45	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		10/05/20 13:45	78-93-3	L1
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		10/05/20 13:45	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		10/05/20 13:45	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		10/05/20 13:45	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		10/05/20 13:45	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		10/05/20 13:45	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		10/05/20 13:45	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		10/05/20 13:45	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		10/05/20 13:45	75-25-2	L1
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		10/05/20 13:45	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		10/05/20 13:45	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		10/05/20 13:45	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		10/05/20 13:45	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		10/05/20 13:45	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		10/05/20 13:45	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		10/05/20 13:45	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		10/05/20 13:45	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		10/05/20 13:45	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		10/05/20 13:45	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		10/05/20 13:45	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		10/05/20 13:45	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		10/05/20 13:45	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		10/05/20 13:45	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		10/05/20 13:45	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		10/05/20 13:45	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		10/05/20 13:45	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		10/05/20 13:45	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		10/05/20 13:45	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		10/05/20 13:45	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		10/05/20 13:45	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		10/05/20 13:45	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		10/05/20 13:45	156-59-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: Trip Blank **Lab ID: 30384469001** Collected: 09/28/20 00:01 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		10/05/20 13:45	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		10/05/20 13:45	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		10/05/20 13:45	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		10/05/20 13:45	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	119	%.	70-130		1		10/05/20 13:45	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%.	70-130		1		10/05/20 13:45	17060-07-0	
Toluene-d8 (S)	96	%.	70-130		1		10/05/20 13:45	2037-26-5	
Dibromofluoromethane (S)	109	%.	70-130		1		10/05/20 13:45	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO42-PZM004 **Lab ID: 30384469002** Collected: 09/28/20 09:55 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		10/05/20 14:09	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		10/05/20 14:09	71-55-6	L1
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		10/05/20 14:09	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/05/20 14:09	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		10/05/20 14:09	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		10/05/20 14:09	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		10/05/20 14:09	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		10/05/20 14:09	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		10/05/20 14:09	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		10/05/20 14:09	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/05/20 14:09	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		10/05/20 14:09	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		10/05/20 14:09	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		10/05/20 14:09	78-93-3	L1
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		10/05/20 14:09	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		10/05/20 14:09	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		10/05/20 14:09	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		10/05/20 14:09	107-13-1	
Benzene	**187**	ug/L	1.0	0.34	1		10/05/20 14:09	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		10/05/20 14:09	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		10/05/20 14:09	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		10/05/20 14:09	75-25-2	L1
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		10/05/20 14:09	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		10/05/20 14:09	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		10/05/20 14:09	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		10/05/20 14:09	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		10/05/20 14:09	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		10/05/20 14:09	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		10/05/20 14:09	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		10/05/20 14:09	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		10/05/20 14:09	74-95-3	
Ethylbenzene	**42.1**	ug/L	1.0	0.40	1		10/05/20 14:09	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		10/05/20 14:09	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		10/05/20 14:09	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		10/05/20 14:09	75-09-2	
Naphthalene	**154**	ug/L	2.0	0.82	1		10/05/20 14:09	91-20-3	
Styrene	**33.5**	ug/L	1.0	0.33	1		10/05/20 14:09	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		10/05/20 14:09	127-18-4	
Toluene	**462**	ug/L	10.0	3.2	10		10/05/20 22:18	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		10/05/20 14:09	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		10/05/20 14:09	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		10/05/20 14:09	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		10/05/20 14:09	75-01-4	
Xylene (Total)	**286**	ug/L	3.0	1.4	1		10/05/20 14:09	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		10/05/20 14:09	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO42-PZM004 **Lab ID: 30384469002** Collected: 09/28/20 09:55 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		10/05/20 14:09	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		10/05/20 14:09	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		10/05/20 14:09	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		10/05/20 14:09	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	104	%.	70-130		1		10/05/20 14:09	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%.	70-130		1		10/05/20 14:09	17060-07-0	
Toluene-d8 (S)	98	%.	70-130		1		10/05/20 14:09	2037-26-5	
Dibromofluoromethane (S)	101	%.	70-130		1		10/05/20 14:09	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO72-PZM005 **Lab ID: 30384469003** Collected: 09/28/20 10:20 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**10.0 U**	ug/L	10.0	5.5	10		10/05/20 14:58	630-20-6	
1,1,1-Trichloroethane	**10.0 U**	ug/L	10.0	3.8	10		10/05/20 14:58	71-55-6	L1
1,1,2,2-Tetrachloroethane	**10.0 U**	ug/L	10.0	4.7	10		10/05/20 14:58	79-34-5	
1,1,2-Trichloroethane	**10.0 U**	ug/L	10.0	3.3	10		10/05/20 14:58	79-00-5	
1,1-Dichloroethane	**10.0 U**	ug/L	10.0	2.4	10		10/05/20 14:58	75-34-3	
1,1-Dichloroethene	**10.0 U**	ug/L	10.0	2.4	10		10/05/20 14:58	75-35-4	
1,2,3-Trichloropropane	**10.0 U**	ug/L	10.0	5.8	10		10/05/20 14:58	96-18-4	
1,2-Dibromo-3-chloropropane	**50.0 U**	ug/L	50.0	5.5	10		10/05/20 14:58	96-12-8	
1,2-Dibromoethane (EDB)	**10.0 U**	ug/L	10.0	4.4	10		10/05/20 14:58	106-93-4	
1,2-Dichlorobenzene	**10.0 U**	ug/L	10.0	3.8	10		10/05/20 14:58	95-50-1	
1,2-Dichloroethane	**10.0 U**	ug/L	10.0	3.3	10		10/05/20 14:58	107-06-2	
1,2-Dichloropropane	**10.0 U**	ug/L	10.0	2.8	10		10/05/20 14:58	78-87-5	
1,4-Dichlorobenzene	**10.0 U**	ug/L	10.0	4.8	10		10/05/20 14:58	106-46-7	
2-Butanone (MEK)	**100 U**	ug/L	100	15.2	10		10/05/20 14:58	78-93-3	L1
2-Hexanone	**100 U**	ug/L	100	5.8	10		10/05/20 14:58	591-78-6	
4-Methyl-2-pentanone (MIBK)	**100 U**	ug/L	100	4.2	10		10/05/20 14:58	108-10-1	
Acetone	**100 U**	ug/L	100	56.1	10		10/05/20 14:58	67-64-1	
Acrylonitrile	**40.0 U**	ug/L	40.0	5.5	10		10/05/20 14:58	107-13-1	
Benzene	**200**	ug/L	10.0	3.4	10		10/05/20 14:58	71-43-2	
Bromochloromethane	**10.0 U**	ug/L	10.0	4.8	10		10/05/20 14:58	74-97-5	
Bromodichloromethane	**10.0 U**	ug/L	10.0	3.5	10		10/05/20 14:58	75-27-4	
Bromoform	**10.0 U**	ug/L	10.0	5.6	10		10/05/20 14:58	75-25-2	L1
Bromomethane	**10.0 U**	ug/L	10.0	7.3	10		10/05/20 14:58	74-83-9	
Carbon disulfide	**10.0 U**	ug/L	10.0	3.2	10		10/05/20 14:58	75-15-0	
Carbon tetrachloride	**10.0 U**	ug/L	10.0	4.4	10		10/05/20 14:58	56-23-5	
Chlorobenzene	**10.0 U**	ug/L	10.0	2.6	10		10/05/20 14:58	108-90-7	
Chloroethane	**10.0 U**	ug/L	10.0	6.4	10		10/05/20 14:58	75-00-3	
Chloroform	**10.0 U**	ug/L	10.0	3.9	10		10/05/20 14:58	67-66-3	
Chloromethane	**10.0 U**	ug/L	10.0	4.0	10		10/05/20 14:58	74-87-3	
Dibromochloromethane	**10.0 U**	ug/L	10.0	4.3	10		10/05/20 14:58	124-48-1	
Dibromomethane	**10.0 U**	ug/L	10.0	3.4	10		10/05/20 14:58	74-95-3	
Ethylbenzene	**10.0 U**	ug/L	10.0	4.0	10		10/05/20 14:58	100-41-4	
Iodomethane	**500 U**	ug/L	500	5.2	10		10/05/20 14:58	74-88-4	CL
Methyl-tert-butyl ether	**10.0 U**	ug/L	10.0	2.5	10		10/05/20 14:58	1634-04-4	
Methylene Chloride	**10.0 U**	ug/L	10.0	6.4	10		10/05/20 14:58	75-09-2	
Naphthalene	**1760**	ug/L	20.0	8.2	10		10/05/20 14:58	91-20-3	ML
Styrene	**24.3**	ug/L	10.0	3.3	10		10/05/20 14:58	100-42-5	
Tetrachloroethene	**10.0 U**	ug/L	10.0	3.9	10		10/05/20 14:58	127-18-4	
Toluene	**25.2**	ug/L	10.0	3.2	10		10/05/20 14:58	108-88-3	
Trichloroethene	**10.0 U**	ug/L	10.0	2.9	10		10/05/20 14:58	79-01-6	
Trichlorofluoromethane	**10.0 U**	ug/L	10.0	5.1	10		10/05/20 14:58	75-69-4	
Vinyl acetate	**10.0 U**	ug/L	10.0	5.7	10		10/05/20 14:58	108-05-4	
Vinyl chloride	**10.0 U**	ug/L	10.0	2.9	10		10/05/20 14:58	75-01-4	
Xylene (Total)	**141**	ug/L	30.0	13.5	10		10/05/20 14:58	1330-20-7	
cis-1,2-Dichloroethene	**10.0 U**	ug/L	10.0	3.8	10		10/05/20 14:58	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO72-PZM005 **Lab ID: 30384469003** Collected: 09/28/20 10:20 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**10.0 U**	ug/L	10.0	2.9	10		10/05/20 14:58	10061-01-5	
trans-1,2-Dichloroethene	**10.0 U**	ug/L	10.0	2.8	10		10/05/20 14:58	156-60-5	
trans-1,3-Dichloropropene	**10.0 U**	ug/L	10.0	3.2	10		10/05/20 14:58	10061-02-6	
trans-1,4-Dichloro-2-butene	**50.0 U**	ug/L	50.0	5.8	10		10/05/20 14:58	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	107	%.	70-130		10		10/05/20 14:58	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130		10		10/05/20 14:58	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		10		10/05/20 14:58	2037-26-5	
Dibromofluoromethane (S)	111	%.	70-130		10		10/05/20 14:58	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO71-PZM006 **Lab ID: 30384469004** Collected: 09/28/20 10:40 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		10/06/20 17:31	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		10/06/20 17:31	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		10/06/20 17:31	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/06/20 17:31	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		10/06/20 17:31	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		10/06/20 17:31	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		10/06/20 17:31	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		10/06/20 17:31	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		10/06/20 17:31	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		10/06/20 17:31	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/06/20 17:31	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		10/06/20 17:31	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		10/06/20 17:31	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		10/06/20 17:31	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		10/06/20 17:31	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		10/06/20 17:31	108-10-1	
Acetone	**11.8**	ug/L	10.0	5.6	1		10/06/20 17:31	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		10/06/20 17:31	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		10/06/20 17:31	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		10/06/20 17:31	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		10/06/20 17:31	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		10/06/20 17:31	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		10/06/20 17:31	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		10/06/20 17:31	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		10/06/20 17:31	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		10/06/20 17:31	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		10/06/20 17:31	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		10/06/20 17:31	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		10/06/20 17:31	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		10/06/20 17:31	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		10/06/20 17:31	74-95-3	
Ethylbenzene	**1.1**	ug/L	1.0	0.40	1		10/06/20 17:31	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		10/06/20 17:31	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		10/06/20 17:31	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		10/06/20 17:31	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		10/06/20 17:31	91-20-3	
Styrene	**0.50J**	ug/L	1.0	0.33	1		10/06/20 17:31	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		10/06/20 17:31	127-18-4	
Toluene	**0.39J**	ug/L	1.0	0.32	1		10/06/20 17:31	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		10/06/20 17:31	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		10/06/20 17:31	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		10/06/20 17:31	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		10/06/20 17:31	75-01-4	
Xylene (Total)	**20.9**	ug/L	3.0	1.4	1		10/06/20 17:31	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		10/06/20 17:31	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO71-PZM006 **Lab ID: 30384469004** Collected: 09/28/20 10:40 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		10/06/20 17:31	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		10/06/20 17:31	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		10/06/20 17:31	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		10/06/20 17:31	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		1		10/06/20 17:31	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%.	70-130		1		10/06/20 17:31	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		1		10/06/20 17:31	2037-26-5	
Dibromofluoromethane (S)	102	%.	70-130		1		10/06/20 17:31	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO70-PZM005 **Lab ID: 30384469005** Collected: 09/28/20 11:05 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		10/06/20 17:56	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		10/06/20 17:56	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		10/06/20 17:56	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/06/20 17:56	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		10/06/20 17:56	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		10/06/20 17:56	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		10/06/20 17:56	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		10/06/20 17:56	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		10/06/20 17:56	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		10/06/20 17:56	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/06/20 17:56	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		10/06/20 17:56	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		10/06/20 17:56	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		10/06/20 17:56	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		10/06/20 17:56	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		10/06/20 17:56	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		10/06/20 17:56	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		10/06/20 17:56	107-13-1	
Benzene	**27.7**	ug/L	1.0	0.34	1		10/06/20 17:56	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		10/06/20 17:56	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		10/06/20 17:56	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		10/06/20 17:56	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		10/06/20 17:56	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		10/06/20 17:56	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		10/06/20 17:56	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		10/06/20 17:56	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		10/06/20 17:56	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		10/06/20 17:56	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		10/06/20 17:56	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		10/06/20 17:56	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		10/06/20 17:56	74-95-3	
Ethylbenzene	**1.9**	ug/L	1.0	0.40	1		10/06/20 17:56	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		10/06/20 17:56	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		10/06/20 17:56	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		10/06/20 17:56	75-09-2	
Naphthalene	**186**	ug/L	2.0	0.82	1		10/06/20 17:56	91-20-3	
Styrene	**3.3**	ug/L	1.0	0.33	1		10/06/20 17:56	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		10/06/20 17:56	127-18-4	
Toluene	**5.8**	ug/L	1.0	0.32	1		10/06/20 17:56	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		10/06/20 17:56	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		10/06/20 17:56	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		10/06/20 17:56	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		10/06/20 17:56	75-01-4	
Xylene (Total)	**29.7**	ug/L	3.0	1.4	1		10/06/20 17:56	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		10/06/20 17:56	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO70-PZM005 **Lab ID: 30384469005** Collected: 09/28/20 11:05 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		10/06/20 17:56	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		10/06/20 17:56	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		10/06/20 17:56	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		10/06/20 17:56	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		10/06/20 17:56	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%.	70-130		1		10/06/20 17:56	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		1		10/06/20 17:56	2037-26-5	
Dibromofluoromethane (S)	102	%.	70-130		1		10/06/20 17:56	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO69-PZM005 **Lab ID: 30384469006** Collected: 09/28/20 11:30 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		10/05/20 15:47	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		10/05/20 15:47	71-55-6	L1
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		10/05/20 15:47	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/05/20 15:47	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		10/05/20 15:47	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		10/05/20 15:47	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		10/05/20 15:47	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		10/05/20 15:47	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		10/05/20 15:47	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		10/05/20 15:47	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/05/20 15:47	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		10/05/20 15:47	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		10/05/20 15:47	106-46-7	
2-Butanone (MEK)	**1.9J**	ug/L	10.0	1.5	1		10/05/20 15:47	78-93-3	L1
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		10/05/20 15:47	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		10/05/20 15:47	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		10/05/20 15:47	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		10/05/20 15:47	107-13-1	
Benzene	**183**	ug/L	1.0	0.34	1		10/05/20 15:47	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		10/05/20 15:47	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		10/05/20 15:47	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		10/05/20 15:47	75-25-2	L1
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		10/05/20 15:47	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		10/05/20 15:47	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		10/05/20 15:47	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		10/05/20 15:47	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		10/05/20 15:47	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		10/05/20 15:47	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		10/05/20 15:47	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		10/05/20 15:47	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		10/05/20 15:47	74-95-3	
Ethylbenzene	**8.1**	ug/L	1.0	0.40	1		10/05/20 15:47	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		10/05/20 15:47	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		10/05/20 15:47	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		10/05/20 15:47	75-09-2	
Naphthalene	**372**	ug/L	2.0	0.82	1		10/05/20 15:47	91-20-3	
Styrene	**17.5**	ug/L	1.0	0.33	1		10/05/20 15:47	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		10/05/20 15:47	127-18-4	
Toluene	**43.2**	ug/L	1.0	0.32	1		10/05/20 15:47	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		10/05/20 15:47	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		10/05/20 15:47	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		10/05/20 15:47	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		10/05/20 15:47	75-01-4	
Xylene (Total)	**147**	ug/L	3.0	1.4	1		10/05/20 15:47	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		10/05/20 15:47	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO69-PZM005 **Lab ID: 30384469006** Collected: 09/28/20 11:30 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		10/05/20 15:47	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		10/05/20 15:47	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		10/05/20 15:47	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		10/05/20 15:47	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	104	%.	70-130		1		10/05/20 15:47	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%.	70-130		1		10/05/20 15:47	17060-07-0	
Toluene-d8 (S)	96	%.	70-130		1		10/05/20 15:47	2037-26-5	
Dibromofluoromethane (S)	102	%.	70-130		1		10/05/20 15:47	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO68-PZM005 **Lab ID: 30384469007** Collected: 09/28/20 11:55 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		10/05/20 17:25	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		10/05/20 17:25	71-55-6	L1
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		10/05/20 17:25	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/05/20 17:25	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		10/05/20 17:25	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		10/05/20 17:25	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		10/05/20 17:25	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		10/05/20 17:25	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		10/05/20 17:25	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		10/05/20 17:25	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/05/20 17:25	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		10/05/20 17:25	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		10/05/20 17:25	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		10/05/20 17:25	78-93-3	L1
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		10/05/20 17:25	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		10/05/20 17:25	108-10-1	
Acetone	**11.1**	ug/L	10.0	5.6	1		10/05/20 17:25	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		10/05/20 17:25	107-13-1	
Benzene	**264**	ug/L	1.0	0.34	1		10/05/20 17:25	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		10/05/20 17:25	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		10/05/20 17:25	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		10/05/20 17:25	75-25-2	L1
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		10/05/20 17:25	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		10/05/20 17:25	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		10/05/20 17:25	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		10/05/20 17:25	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		10/05/20 17:25	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		10/05/20 17:25	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		10/05/20 17:25	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		10/05/20 17:25	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		10/05/20 17:25	74-95-3	
Ethylbenzene	**12.3**	ug/L	1.0	0.40	1		10/05/20 17:25	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		10/05/20 17:25	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		10/05/20 17:25	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		10/05/20 17:25	75-09-2	
Naphthalene	**3830**	ug/L	40.0	16.4	20		10/05/20 17:49	91-20-3	
Styrene	**51.4**	ug/L	1.0	0.33	1		10/05/20 17:25	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		10/05/20 17:25	127-18-4	
Toluene	**88.0**	ug/L	1.0	0.32	1		10/05/20 17:25	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		10/05/20 17:25	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		10/05/20 17:25	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		10/05/20 17:25	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		10/05/20 17:25	75-01-4	
Xylene (Total)	**265**	ug/L	3.0	1.4	1		10/05/20 17:25	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		10/05/20 17:25	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO68-PZM005 **Lab ID: 30384469007** Collected: 09/28/20 11:55 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		10/05/20 17:25	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		10/05/20 17:25	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		10/05/20 17:25	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		10/05/20 17:25	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		10/05/20 17:25	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		1		10/05/20 17:25	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		1		10/05/20 17:25	2037-26-5	
Dibromofluoromethane (S)	102	%.	70-130		1		10/05/20 17:25	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO67-PZM006 **Lab ID: 30384469008** Collected: 09/28/20 12:20 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		10/05/20 18:14	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		10/05/20 18:14	71-55-6	L1
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		10/05/20 18:14	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/05/20 18:14	79-00-5	
1,1-Dichloroethane	**0.28J**	ug/L	1.0	0.24	1		10/05/20 18:14	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		10/05/20 18:14	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		10/05/20 18:14	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		10/05/20 18:14	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		10/05/20 18:14	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		10/05/20 18:14	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/05/20 18:14	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		10/05/20 18:14	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		10/05/20 18:14	106-46-7	
2-Butanone (MEK)	**1.8J**	ug/L	10.0	1.5	1		10/05/20 18:14	78-93-3	L1
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		10/05/20 18:14	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		10/05/20 18:14	108-10-1	
Acetone	**13.4**	ug/L	10.0	5.6	1		10/05/20 18:14	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		10/05/20 18:14	107-13-1	
Benzene	**257**	ug/L	1.0	0.34	1		10/05/20 18:14	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		10/05/20 18:14	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		10/05/20 18:14	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		10/05/20 18:14	75-25-2	L1
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		10/05/20 18:14	74-83-9	
Carbon disulfide	**1.2**	ug/L	1.0	0.32	1		10/05/20 18:14	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		10/05/20 18:14	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		10/05/20 18:14	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		10/05/20 18:14	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		10/05/20 18:14	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		10/05/20 18:14	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		10/05/20 18:14	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		10/05/20 18:14	74-95-3	
Ethylbenzene	**11.1**	ug/L	1.0	0.40	1		10/05/20 18:14	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		10/05/20 18:14	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		10/05/20 18:14	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		10/05/20 18:14	75-09-2	
Naphthalene	**3090**	ug/L	40.0	16.4	20		10/05/20 18:38	91-20-3	
Styrene	**39.4**	ug/L	1.0	0.33	1		10/05/20 18:14	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		10/05/20 18:14	127-18-4	
Toluene	**95.7**	ug/L	1.0	0.32	1		10/05/20 18:14	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		10/05/20 18:14	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		10/05/20 18:14	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		10/05/20 18:14	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		10/05/20 18:14	75-01-4	
Xylene (Total)	**226**	ug/L	3.0	1.4	1		10/05/20 18:14	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		10/05/20 18:14	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO67-PZM006 **Lab ID: 30384469008** Collected: 09/28/20 12:20 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		10/05/20 18:14	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		10/05/20 18:14	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		10/05/20 18:14	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		10/05/20 18:14	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		1		10/05/20 18:14	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		1		10/05/20 18:14	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		1		10/05/20 18:14	2037-26-5	
Dibromofluoromethane (S)	100	%.	70-130		1		10/05/20 18:14	1868-53-7	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO66-PZM005 **Lab ID: 30384469009** Collected: 09/28/20 12:50 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**10.0 U**	ug/L	10.0	5.5	10		10/05/20 15:23	630-20-6	
1,1,1-Trichloroethane	**10.0 U**	ug/L	10.0	3.8	10		10/05/20 15:23	71-55-6	L1
1,1,2,2-Tetrachloroethane	**10.0 U**	ug/L	10.0	4.7	10		10/05/20 15:23	79-34-5	
1,1,2-Trichloroethane	**10.0 U**	ug/L	10.0	3.3	10		10/05/20 15:23	79-00-5	
1,1-Dichloroethane	**10.0 U**	ug/L	10.0	2.4	10		10/05/20 15:23	75-34-3	
1,1-Dichloroethene	**10.0 U**	ug/L	10.0	2.4	10		10/05/20 15:23	75-35-4	
1,2,3-Trichloropropane	**10.0 U**	ug/L	10.0	5.8	10		10/05/20 15:23	96-18-4	
1,2-Dibromo-3-chloropropane	**50.0 U**	ug/L	50.0	5.5	10		10/05/20 15:23	96-12-8	
1,2-Dibromoethane (EDB)	**10.0 U**	ug/L	10.0	4.4	10		10/05/20 15:23	106-93-4	
1,2-Dichlorobenzene	**10.0 U**	ug/L	10.0	3.8	10		10/05/20 15:23	95-50-1	
1,2-Dichloroethane	**10.0 U**	ug/L	10.0	3.3	10		10/05/20 15:23	107-06-2	
1,2-Dichloropropane	**10.0 U**	ug/L	10.0	2.8	10		10/05/20 15:23	78-87-5	
1,4-Dichlorobenzene	**10.0 U**	ug/L	10.0	4.8	10		10/05/20 15:23	106-46-7	
2-Butanone (MEK)	**100 U**	ug/L	100	15.2	10		10/05/20 15:23	78-93-3	L1
2-Hexanone	**100 U**	ug/L	100	5.8	10		10/05/20 15:23	591-78-6	
4-Methyl-2-pentanone (MIBK)	**100 U**	ug/L	100	4.2	10		10/05/20 15:23	108-10-1	
Acetone	**100 U**	ug/L	100	56.1	10		10/05/20 15:23	67-64-1	
Acrylonitrile	**40.0 U**	ug/L	40.0	5.5	10		10/05/20 15:23	107-13-1	
Benzene	**245**	ug/L	10.0	3.4	10		10/05/20 15:23	71-43-2	
Bromochloromethane	**10.0 U**	ug/L	10.0	4.8	10		10/05/20 15:23	74-97-5	
Bromodichloromethane	**10.0 U**	ug/L	10.0	3.5	10		10/05/20 15:23	75-27-4	
Bromoform	**10.0 U**	ug/L	10.0	5.6	10		10/05/20 15:23	75-25-2	L1
Bromomethane	**10.0 U**	ug/L	10.0	7.3	10		10/05/20 15:23	74-83-9	
Carbon disulfide	**10.0 U**	ug/L	10.0	3.2	10		10/05/20 15:23	75-15-0	
Carbon tetrachloride	**10.0 U**	ug/L	10.0	4.4	10		10/05/20 15:23	56-23-5	
Chlorobenzene	**10.0 U**	ug/L	10.0	2.6	10		10/05/20 15:23	108-90-7	
Chloroethane	**10.0 U**	ug/L	10.0	6.4	10		10/05/20 15:23	75-00-3	
Chloroform	**10.0 U**	ug/L	10.0	3.9	10		10/05/20 15:23	67-66-3	
Chloromethane	**10.0 U**	ug/L	10.0	4.0	10		10/05/20 15:23	74-87-3	
Dibromochloromethane	**10.0 U**	ug/L	10.0	4.3	10		10/05/20 15:23	124-48-1	
Dibromomethane	**10.0 U**	ug/L	10.0	3.4	10		10/05/20 15:23	74-95-3	
Ethylbenzene	**12.7**	ug/L	10.0	4.0	10		10/05/20 15:23	100-41-4	
Iodomethane	**500 U**	ug/L	500	5.2	10		10/05/20 15:23	74-88-4	CL
Methyl-tert-butyl ether	**10.0 U**	ug/L	10.0	2.5	10		10/05/20 15:23	1634-04-4	
Methylene Chloride	**10.0 U**	ug/L	10.0	6.4	10		10/05/20 15:23	75-09-2	
Naphthalene	**2260**	ug/L	20.0	8.2	10		10/05/20 15:23	91-20-3	
Styrene	**26.6**	ug/L	10.0	3.3	10		10/05/20 15:23	100-42-5	
Tetrachloroethene	**10.0 U**	ug/L	10.0	3.9	10		10/05/20 15:23	127-18-4	
Toluene	**82.5**	ug/L	10.0	3.2	10		10/05/20 15:23	108-88-3	
Trichloroethene	**10.0 U**	ug/L	10.0	2.9	10		10/05/20 15:23	79-01-6	
Trichlorofluoromethane	**10.0 U**	ug/L	10.0	5.1	10		10/05/20 15:23	75-69-4	
Vinyl acetate	**10.0 U**	ug/L	10.0	5.7	10		10/05/20 15:23	108-05-4	
Vinyl chloride	**10.0 U**	ug/L	10.0	2.9	10		10/05/20 15:23	75-01-4	
Xylene (Total)	**209**	ug/L	30.0	13.5	10		10/05/20 15:23	1330-20-7	
cis-1,2-Dichloroethene	**10.0 U**	ug/L	10.0	3.8	10		10/05/20 15:23	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO66-PZM005 **Lab ID: 30384469009** Collected: 09/28/20 12:50 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**10.0 U**	ug/L	10.0	2.9	10		10/05/20 15:23	10061-01-5	
trans-1,2-Dichloroethene	**10.0 U**	ug/L	10.0	2.8	10		10/05/20 15:23	156-60-5	
trans-1,3-Dichloropropene	**10.0 U**	ug/L	10.0	3.2	10		10/05/20 15:23	10061-02-6	
trans-1,4-Dichloro-2-butene	**50.0 U**	ug/L	50.0	5.8	10		10/05/20 15:23	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	105	%.	70-130		10		10/05/20 15:23	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%.	70-130		10		10/05/20 15:23	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		10		10/05/20 15:23	2037-26-5	
Dibromofluoromethane (S)	104	%.	70-130		10		10/05/20 15:23	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO64-PZM006 **Lab ID: 30384469010** Collected: 09/28/20 13:25 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		10/05/20 19:52	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		10/05/20 19:52	71-55-6	L1
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		10/05/20 19:52	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		10/05/20 19:52	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		10/05/20 19:52	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		10/05/20 19:52	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		10/05/20 19:52	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		10/05/20 19:52	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		10/05/20 19:52	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		10/05/20 19:52	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		10/05/20 19:52	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		10/05/20 19:52	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		10/05/20 19:52	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		10/05/20 19:52	78-93-3	L1
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		10/05/20 19:52	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		10/05/20 19:52	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		10/05/20 19:52	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		10/05/20 19:52	107-13-1	
Benzene	**271**	ug/L	5.0	1.7	5		10/05/20 19:52	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		10/05/20 19:52	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		10/05/20 19:52	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		10/05/20 19:52	75-25-2	L1
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		10/05/20 19:52	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		10/05/20 19:52	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		10/05/20 19:52	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		10/05/20 19:52	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		10/05/20 19:52	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		10/05/20 19:52	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		10/05/20 19:52	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		10/05/20 19:52	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		10/05/20 19:52	74-95-3	
Ethylbenzene	**12.2**	ug/L	5.0	2.0	5		10/05/20 19:52	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		10/05/20 19:52	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		10/05/20 19:52	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		10/05/20 19:52	75-09-2	
Naphthalene	**1690**	ug/L	10.0	4.1	5		10/05/20 19:52	91-20-3	
Styrene	**23.3**	ug/L	5.0	1.6	5		10/05/20 19:52	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		10/05/20 19:52	127-18-4	
Toluene	**99.8**	ug/L	5.0	1.6	5		10/05/20 19:52	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		10/05/20 19:52	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		10/05/20 19:52	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		10/05/20 19:52	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		10/05/20 19:52	75-01-4	
Xylene (Total)	**215**	ug/L	15.0	6.8	5		10/05/20 19:52	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		10/05/20 19:52	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO64-PZM006 **Lab ID: 30384469010** Collected: 09/28/20 13:25 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		10/05/20 19:52	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		10/05/20 19:52	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		10/05/20 19:52	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		10/05/20 19:52	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		5		10/05/20 19:52	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		5		10/05/20 19:52	17060-07-0	
Toluene-d8 (S)	96	%.	70-130		5		10/05/20 19:52	2037-26-5	
Dibromofluoromethane (S)	101	%.	70-130		5		10/05/20 19:52	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO63-PZM007 **Lab ID: 30384469011** Collected: 09/28/20 13:45 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		10/05/20 20:41	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		10/05/20 20:41	71-55-6	L1
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		10/05/20 20:41	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		10/05/20 20:41	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		10/05/20 20:41	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		10/05/20 20:41	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		10/05/20 20:41	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		10/05/20 20:41	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		10/05/20 20:41	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		10/05/20 20:41	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		10/05/20 20:41	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		10/05/20 20:41	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		10/05/20 20:41	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		10/05/20 20:41	78-93-3	L1
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		10/05/20 20:41	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		10/05/20 20:41	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		10/05/20 20:41	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		10/05/20 20:41	107-13-1	
Benzene	**284**	ug/L	5.0	1.7	5		10/05/20 20:41	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		10/05/20 20:41	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		10/05/20 20:41	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		10/05/20 20:41	75-25-2	L1
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		10/05/20 20:41	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		10/05/20 20:41	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		10/05/20 20:41	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		10/05/20 20:41	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		10/05/20 20:41	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		10/05/20 20:41	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		10/05/20 20:41	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		10/05/20 20:41	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		10/05/20 20:41	74-95-3	
Ethylbenzene	**14.7**	ug/L	5.0	2.0	5		10/05/20 20:41	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		10/05/20 20:41	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		10/05/20 20:41	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		10/05/20 20:41	75-09-2	
Naphthalene	**1990**	ug/L	10.0	4.1	5		10/05/20 20:41	91-20-3	
Styrene	**25.4**	ug/L	5.0	1.6	5		10/05/20 20:41	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		10/05/20 20:41	127-18-4	
Toluene	**107**	ug/L	5.0	1.6	5		10/05/20 20:41	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		10/05/20 20:41	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		10/05/20 20:41	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		10/05/20 20:41	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		10/05/20 20:41	75-01-4	
Xylene (Total)	**243**	ug/L	15.0	6.8	5		10/05/20 20:41	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		10/05/20 20:41	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO63-PZM007 **Lab ID: 30384469011** Collected: 09/28/20 13:45 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		10/05/20 20:41	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		10/05/20 20:41	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		10/05/20 20:41	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		10/05/20 20:41	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	104	%.	70-130		5		10/05/20 20:41	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		5		10/05/20 20:41	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		5		10/05/20 20:41	2037-26-5	
Dibromofluoromethane (S)	100	%.	70-130		5		10/05/20 20:41	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO61-PZM007 **Lab ID: 30384469012** Collected: 09/28/20 15:10 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		10/05/20 16:36	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		10/05/20 16:36	71-55-6	L1
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		10/05/20 16:36	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/05/20 16:36	79-00-5	
1,1-Dichloroethane	**1.1**	ug/L	1.0	0.24	1		10/05/20 16:36	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		10/05/20 16:36	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		10/05/20 16:36	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		10/05/20 16:36	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		10/05/20 16:36	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		10/05/20 16:36	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		10/05/20 16:36	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		10/05/20 16:36	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		10/05/20 16:36	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		10/05/20 16:36	78-93-3	L1
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		10/05/20 16:36	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		10/05/20 16:36	108-10-1	
Acetone	**9.0J**	ug/L	10.0	5.6	1		10/05/20 16:36	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		10/05/20 16:36	107-13-1	
Benzene	**189**	ug/L	1.0	0.34	1		10/05/20 16:36	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		10/05/20 16:36	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		10/05/20 16:36	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		10/05/20 16:36	75-25-2	L1
Bromomethane	**1.1**	ug/L	1.0	0.73	1		10/05/20 16:36	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		10/05/20 16:36	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		10/05/20 16:36	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		10/05/20 16:36	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		10/05/20 16:36	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		10/05/20 16:36	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		10/05/20 16:36	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		10/05/20 16:36	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		10/05/20 16:36	74-95-3	
Ethylbenzene	**9.0**	ug/L	1.0	0.40	1		10/05/20 16:36	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		10/05/20 16:36	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		10/05/20 16:36	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		10/05/20 16:36	75-09-2	
Naphthalene	**1530**	ug/L	20.0	8.2	10		10/05/20 17:01	91-20-3	
Styrene	**1.6**	ug/L	1.0	0.33	1		10/05/20 16:36	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		10/05/20 16:36	127-18-4	
Toluene	**52.2**	ug/L	1.0	0.32	1		10/05/20 16:36	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		10/05/20 16:36	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		10/05/20 16:36	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		10/05/20 16:36	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		10/05/20 16:36	75-01-4	
Xylene (Total)	**130**	ug/L	3.0	1.4	1		10/05/20 16:36	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		10/05/20 16:36	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30384469

Sample: CO61-PZM007 **Lab ID: 30384469012** Collected: 09/28/20 15:10 Received: 09/28/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		10/05/20 16:36	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		10/05/20 16:36	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		10/05/20 16:36	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		10/05/20 16:36	110-57-6	L1
Surrogates									
4-Bromofluorobenzene (S)	99	%.	70-130		1		10/05/20 16:36	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%.	70-130		1		10/05/20 16:36	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		1		10/05/20 16:36	2037-26-5	
Dibromofluoromethane (S)	105	%.	70-130		1		10/05/20 16:36	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30384469

QC Batch: 416952
QC Batch Method: EPA 8260B
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30384469001, 30384469002, 30384469003, 30384469006, 30384469007, 30384469008, 30384469009, 30384469010, 30384469011, 30384469012

METHOD BLANK: 2016123
Matrix: Water
Associated Lab Samples: 30384469001, 30384469002, 30384469003, 30384469006, 30384469007, 30384469008, 30384469009, 30384469010, 30384469011, 30384469012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	10/05/20 12:56	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	10/05/20 12:56	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	10/05/20 12:56	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	10/05/20 12:56	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	10/05/20 12:56	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	10/05/20 12:56	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	10/05/20 12:56	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	10/05/20 12:56	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	10/05/20 12:56	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	10/05/20 12:56	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	10/05/20 12:56	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	10/05/20 12:56	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	10/05/20 12:56	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	10/05/20 12:56	
2-Hexanone	ug/L	10.0 U	10.0	0.58	10/05/20 12:56	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	10/05/20 12:56	
Acetone	ug/L	10.0 U	10.0	5.6	10/05/20 12:56	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	10/05/20 12:56	
Benzene	ug/L	1.0 U	1.0	0.34	10/05/20 12:56	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	10/05/20 12:56	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	10/05/20 12:56	
Bromoform	ug/L	1.0 U	1.0	0.56	10/05/20 12:56	
Bromomethane	ug/L	1.0 U	1.0	0.73	10/05/20 12:56	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	10/05/20 12:56	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	10/05/20 12:56	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	10/05/20 12:56	
Chloroethane	ug/L	1.0 U	1.0	0.64	10/05/20 12:56	
Chloroform	ug/L	1.0 U	1.0	0.39	10/05/20 12:56	
Chloromethane	ug/L	1.0 U	1.0	0.40	10/05/20 12:56	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	10/05/20 12:56	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	10/05/20 12:56	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	10/05/20 12:56	
Dibromomethane	ug/L	1.0 U	1.0	0.34	10/05/20 12:56	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	10/05/20 12:56	
Iodomethane	ug/L	50.0 U	50.0	0.52	10/05/20 12:56	CL
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	10/05/20 12:56	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	10/05/20 12:56	
Naphthalene	ug/L	2.0 U	2.0	0.82	10/05/20 12:56	
Styrene	ug/L	1.0 U	1.0	0.33	10/05/20 12:56	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30384469

METHOD BLANK: 2016123 Matrix: Water

Associated Lab Samples: 30384469001, 30384469002, 30384469003, 30384469006, 30384469007, 30384469008, 30384469009, 30384469010, 30384469011, 30384469012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	10/05/20 12:56	
Toluene	ug/L	1.0 U	1.0	0.32	10/05/20 12:56	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	10/05/20 12:56	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	10/05/20 12:56	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	10/05/20 12:56	
Trichloroethene	ug/L	1.0 U	1.0	0.29	10/05/20 12:56	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	10/05/20 12:56	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	10/05/20 12:56	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	10/05/20 12:56	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	10/05/20 12:56	
1,2-Dichloroethane-d4 (S)	%.	100	70-130		10/05/20 12:56	
4-Bromofluorobenzene (S)	%.	116	70-130		10/05/20 12:56	
Dibromofluoromethane (S)	%.	106	70-130		10/05/20 12:56	
Toluene-d8 (S)	%.	96	70-130		10/05/20 12:56	

LABORATORY CONTROL SAMPLE: 2016124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.9	104	70-130	
1,1,1-Trichloroethane	ug/L	20	26.8	134	70-130	L1
1,1,2,2-Tetrachloroethane	ug/L	20	23.3	116	70-130	
1,1,2-Trichloroethane	ug/L	20	22.9	114	70-130	
1,1-Dichloroethane	ug/L	20	22.4	112	70-130	
1,1-Dichloroethene	ug/L	20	20.3	102	70-130	
1,2,3-Trichloropropane	ug/L	20	23.6	118	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	24.1	121	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	21.9	110	70-130	
1,2-Dichlorobenzene	ug/L	20	23.2	116	70-130	
1,2-Dichloroethane	ug/L	20	22.2	111	70-130	
1,2-Dichloropropane	ug/L	20	20.7	103	70-130	
1,4-Dichlorobenzene	ug/L	20	22.1	110	70-130	
2-Butanone (MEK)	ug/L	20	26.9	134	70-130	L1
2-Hexanone	ug/L	20	21.8	109	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	21.7	108	70-130	
Acetone	ug/L	20	31.5	158	67-173	
Acrylonitrile	ug/L	20	22.4	112	56-147	
Benzene	ug/L	20	21.2	106	70-130	
Bromochloromethane	ug/L	20	21.7	108	70-130	
Bromodichloromethane	ug/L	20	24.5	122	70-130	
Bromoform	ug/L	20	24.0	120	63-119	L1
Bromomethane	ug/L	20	14.6	73	24-159	
Carbon disulfide	ug/L	20	23.5	118	57-132	
Carbon tetrachloride	ug/L	20	25.2	126	70-130	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30384469

LABORATORY CONTROL SAMPLE: 2016124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	20	23.1	116	70-130	
Chloroethane	ug/L	20	20.2	101	62-145	
Chloroform	ug/L	20	22.8	114	70-130	
Chloromethane	ug/L	20	16.5	82	66-140	
cis-1,2-Dichloroethene	ug/L	20	21.5	107	70-130	
cis-1,3-Dichloropropene	ug/L	20	23.6	118	70-130	
Dibromochloromethane	ug/L	20	20.9	105	70-130	
Dibromomethane	ug/L	20	21.6	108	70-130	
Ethylbenzene	ug/L	20	23.0	115	70-130	
Iodomethane	ug/L	20	7.4J	37	10-175	CL
Methyl-tert-butyl ether	ug/L	20	22.2	111	70-130	
Methylene Chloride	ug/L	20	20.8	104	70-130	
Naphthalene	ug/L	20	27.8	139	55-160	
Styrene	ug/L	20	19.7	98	70-130	
Tetrachloroethene	ug/L	20	22.9	115	70-130	
Toluene	ug/L	20	22.9	114	70-130	
trans-1,2-Dichloroethene	ug/L	20	22.0	110	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.1	101	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	31.1	156	48-131	L1
Trichloroethene	ug/L	20	22.5	113	70-130	
Trichlorofluoromethane	ug/L	20	23.4	117	70-130	
Vinyl acetate	ug/L	20	15.5	77	33-128	
Vinyl chloride	ug/L	20	17.0	85	70-130	
Xylene (Total)	ug/L	60	68.3	114	70-130	
1,2-Dichloroethane-d4 (S)	%.			97	70-130	
4-Bromofluorobenzene (S)	%.			104	70-130	
Dibromofluoromethane (S)	%.			102	70-130	
Toluene-d8 (S)	%.			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2016125 2016126

Parameter	Units	30384469003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	10.0 U	200	200	174	149	87	75	59-117	15	30	
1,1,1-Trichloroethane	ug/L	10.0 U	200	200	232	202	116	101	55-146	14	30	
1,1,2,2-Tetrachloroethane	ug/L	10.0 U	200	200	187	165	94	82	55-118	13	30	
1,1,2-Trichloroethane	ug/L	10.0 U	200	200	191	167	96	83	61-122	14	30	
1,1-Dichloroethane	ug/L	10.0 U	200	200	199	166	100	83	59-130	18	30	
1,1-Dichloroethene	ug/L	10.0 U	200	200	184	164	92	82	52-119	12	30	
1,2,3-Trichloropropane	ug/L	10.0 U	200	200	195	173	97	86	59-117	12	30	
1,2-Dibromo-3-chloropropane	ug/L	50.0 U	200	200	169	162	84	81	32-112	4	30	
1,2-Dibromoethane (EDB)	ug/L	10.0 U	200	200	178	159	89	79	61-116	12	30	
1,2-Dichlorobenzene	ug/L	10.0 U	200	200	200	179	100	90	58-126	11	30	
1,2-Dichloroethane	ug/L	10.0 U	200	200	188	158	94	79	49-135	17	30	

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REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30384469

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2016125 2016126

Parameter	Units	30384469003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloropropane	ug/L	10.0 U	200	200	187	162	93	81	67-121	14	30	
1,4-Dichlorobenzene	ug/L	10.0 U	200	200	191	168	95	84	60-121	13	30	
2-Butanone (MEK)	ug/L	100 U	200	200	167	174	84	87	59-138	4	30	
2-Hexanone	ug/L	100 U	200	200	143	151	72	75	66-123	5	30	
4-Methyl-2-pentanone (MIBK)	ug/L	100 U	200	200	157	160	78	80	70-130	2	30	
Acetone	ug/L	100 U	200	200	269	237	135	118	57-140	13	30	
Acrylonitrile	ug/L	40.0 U	200	200	152	134	76	67	47-134	13	30	
Benzene	ug/L	200	200	200	386	368	93	84	50-149	5	30	
Bromochloromethane	ug/L	10.0 U	200	200	193	166	96	83	63-120	15	30	
Bromodichloromethane	ug/L	10.0 U	200	200	207	178	104	89	46-131	15	30	
Bromoform	ug/L	10.0 U	200	200	181	167	90	83	30-119	8	30	
Bromomethane	ug/L	10.0 U	200	200	177	184	89	92	10-163	4	30	
Carbon disulfide	ug/L	10.0 U	200	200	177	178	88	89	41-116	1	30	
Carbon tetrachloride	ug/L	10.0 U	200	200	195	189	98	95	55-119	3	30	
Chlorobenzene	ug/L	10.0 U	200	200	205	177	103	89	66-124	15	30	
Chloroethane	ug/L	10.0 U	200	200	165	171	82	86	45-162	4	30	
Chloroform	ug/L	10.0 U	200	200	202	168	101	84	56-123	18	30	
Chloromethane	ug/L	10.0 U	200	200	136	143	68	71	49-150	5	30	
cis-1,2-Dichloroethene	ug/L	10.0 U	200	200	188	153	94	76	63-116	21	30	
cis-1,3-Dichloropropene	ug/L	10.0 U	200	200	193	172	96	86	46-119	11	30	
Dibromochloromethane	ug/L	10.0 U	200	200	170	150	85	75	42-120	12	30	
Dibromomethane	ug/L	10.0 U	200	200	178	164	89	82	55-117	8	30	
Ethylbenzene	ug/L	10.0 U	200	200	214	189	107	95	63-135	12	30	
Iodomethane	ug/L	500 U	200	200	66.9J	82.4J	33	41	10-175		30	CL
Methyl-tert-butyl ether	ug/L	10.0 U	200	200	156	167	78	83	53-123	7	30	
Methylene Chloride	ug/L	10.0 U	200	200	192	153	96	76	57-132	23	30	
Naphthalene	ug/L	1760	200	200	1680	1710	-38	-23	30-157	2	30	ML
Styrene	ug/L	24.3	200	200	204	179	90	78	58-130	13	30	
Tetrachloroethene	ug/L	10.0 U	200	200	203	172	102	86	61-132	17	30	
Toluene	ug/L	25.2	200	200	231	200	103	87	59-139	15	30	
trans-1,2-Dichloroethene	ug/L	10.0 U	200	200	197	169	99	84	60-124	16	30	
trans-1,3-Dichloropropene	ug/L	10.0 U	200	200	170	147	85	74	48-121	14	30	
trans-1,4-Dichloro-2-butene	ug/L	50.0 U	200	200	157	177	79	88	10-111	11	30	
Trichloroethene	ug/L	10.0 U	200	200	200	178	100	89	63-128	12	30	
Trichlorofluoromethane	ug/L	10.0 U	200	200	194	200	97	100	70-152	3	30	
Vinyl acetate	ug/L	10.0 U	200	200	116	122	58	61	23-102	5	30	
Vinyl chloride	ug/L	10.0 U	200	200	155	166	78	83	67-141	6	30	
Xylene (Total)	ug/L	141	600	600	763	682	104	90	63-135	11	30	
1,2-Dichloroethane-d4 (S)	%.						96	97	70-130			
4-Bromofluorobenzene (S)	%.						103	104	70-130			
Dibromofluoromethane (S)	%.						101	102	70-130			
Toluene-d8 (S)	%.						101	99	70-130			

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(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30384469

QC Batch: 417153
QC Batch Method: EPA 8260B
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30384469004, 30384469005

METHOD BLANK: 2016896 Matrix: Water
Associated Lab Samples: 30384469004, 30384469005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	10/06/20 12:35	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	10/06/20 12:35	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	10/06/20 12:35	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	10/06/20 12:35	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	10/06/20 12:35	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	10/06/20 12:35	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	10/06/20 12:35	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	10/06/20 12:35	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	10/06/20 12:35	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	10/06/20 12:35	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	10/06/20 12:35	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	10/06/20 12:35	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	10/06/20 12:35	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	10/06/20 12:35	
2-Hexanone	ug/L	10.0 U	10.0	0.58	10/06/20 12:35	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	10/06/20 12:35	
Acetone	ug/L	10.0 U	10.0	5.6	10/06/20 12:35	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	10/06/20 12:35	
Benzene	ug/L	1.0 U	1.0	0.34	10/06/20 12:35	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	10/06/20 12:35	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	10/06/20 12:35	
Bromoform	ug/L	1.0 U	1.0	0.56	10/06/20 12:35	
Bromomethane	ug/L	1.0 U	1.0	0.73	10/06/20 12:35	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	10/06/20 12:35	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	10/06/20 12:35	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	10/06/20 12:35	
Chloroethane	ug/L	1.0 U	1.0	0.64	10/06/20 12:35	
Chloroform	ug/L	1.0 U	1.0	0.39	10/06/20 12:35	
Chloromethane	ug/L	1.0 U	1.0	0.40	10/06/20 12:35	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	10/06/20 12:35	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	10/06/20 12:35	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	10/06/20 12:35	
Dibromomethane	ug/L	1.0 U	1.0	0.34	10/06/20 12:35	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	10/06/20 12:35	
Iodomethane	ug/L	50.0 U	50.0	0.52	10/06/20 12:35	IH
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	10/06/20 12:35	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	10/06/20 12:35	
Naphthalene	ug/L	2.0 U	2.0	0.82	10/06/20 12:35	
Styrene	ug/L	1.0 U	1.0	0.33	10/06/20 12:35	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	10/06/20 12:35	

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(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30384469

METHOD BLANK: 2016896 Matrix: Water
Associated Lab Samples: 30384469004, 30384469005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	10/06/20 12:35	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	10/06/20 12:35	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	10/06/20 12:35	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	10/06/20 12:35	
Trichloroethene	ug/L	1.0 U	1.0	0.29	10/06/20 12:35	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	10/06/20 12:35	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	10/06/20 12:35	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	10/06/20 12:35	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	10/06/20 12:35	
1,2-Dichloroethane-d4 (S)	%.	102	70-130		10/06/20 12:35	
4-Bromofluorobenzene (S)	%.	102	70-130		10/06/20 12:35	
Dibromofluoromethane (S)	%.	101	70-130		10/06/20 12:35	
Toluene-d8 (S)	%.	101	70-130		10/06/20 12:35	

LABORATORY CONTROL SAMPLE: 2016897

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	22.3	111	70-130	
1,1,1-Trichloroethane	ug/L	20	25.2	126	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	23.0	115	70-130	
1,1,2-Trichloroethane	ug/L	20	22.1	110	70-130	
1,1-Dichloroethane	ug/L	20	22.8	114	70-130	
1,1-Dichloroethene	ug/L	20	22.3	111	70-130	
1,2,3-Trichloropropane	ug/L	20	22.9	114	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	21.8	109	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	22.4	112	70-130	
1,2-Dichlorobenzene	ug/L	20	23.8	119	70-130	
1,2-Dichloroethane	ug/L	20	22.6	113	70-130	
1,2-Dichloropropane	ug/L	20	23.0	115	70-130	
1,4-Dichlorobenzene	ug/L	20	23.3	116	70-130	
2-Butanone (MEK)	ug/L	20	19.8	99	70-130	
2-Hexanone	ug/L	20	22.2	111	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	21.6	108	70-130	
Acetone	ug/L	20	20.4	102	67-173	
Acrylonitrile	ug/L	20	26.7	133	56-147	
Benzene	ug/L	20	22.1	111	70-130	
Bromochloromethane	ug/L	20	23.3	116	70-130	
Bromodichloromethane	ug/L	20	24.2	121	70-130	
Bromoform	ug/L	20	23.2	116	63-119	
Bromomethane	ug/L	20	20.8	104	24-159	
Carbon disulfide	ug/L	20	19.7	98	57-132	
Carbon tetrachloride	ug/L	20	24.1	120	70-130	
Chlorobenzene	ug/L	20	23.9	120	70-130	
Chloroethane	ug/L	20	19.2	96	62-145	

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(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30384469

LABORATORY CONTROL SAMPLE: 2016897

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	20	22.6	113	70-130	
Chloromethane	ug/L	20	17.6	88	66-140	
cis-1,2-Dichloroethene	ug/L	20	21.3	106	70-130	
cis-1,3-Dichloropropene	ug/L	20	23.1	115	70-130	
Dibromochloromethane	ug/L	20	22.5	113	70-130	
Dibromomethane	ug/L	20	21.9	109	70-130	
Ethylbenzene	ug/L	20	23.9	119	70-130	
Iodomethane	ug/L	20	8.0J	40	10-175	IH
Methyl-tert-butyl ether	ug/L	20	21.3	106	70-130	
Methylene Chloride	ug/L	20	22.0	110	70-130	
Naphthalene	ug/L	20	23.2	116	55-160	
Styrene	ug/L	20	24.1	121	70-130	
Tetrachloroethene	ug/L	20	23.8	119	70-130	
Toluene	ug/L	20	21.9	110	70-130	
trans-1,2-Dichloroethene	ug/L	20	22.2	111	70-130	
trans-1,3-Dichloropropene	ug/L	20	23.4	117	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	21.0	105	48-131	
Trichloroethene	ug/L	20	23.9	120	70-130	
Trichlorofluoromethane	ug/L	20	22.6	113	70-130	
Vinyl acetate	ug/L	20	16.0	80	33-128	
Vinyl chloride	ug/L	20	17.9	90	70-130	
Xylene (Total)	ug/L	60	71.0	118	70-130	
1,2-Dichloroethane-d4 (S)	%.			108	70-130	
4-Bromofluorobenzene (S)	%.			100	70-130	
Dibromofluoromethane (S)	%.			103	70-130	
Toluene-d8 (S)	%.			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2016899 2016900

Parameter	Units	30383917009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	14.8	16.2	74	81	59-117	9	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	18.3	19.4	91	97	55-146	6	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	16.1	17.5	80	88	55-118	9	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	15.7	16.5	79	82	61-122	4	30	
1,1-Dichloroethane	ug/L	ND	20	20	17.2	17.7	86	88	59-130	3	30	
1,1-Dichloroethene	ug/L	ND	20	20	15.9	17.3	80	87	52-119	8	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	15.7	17.3	78	87	59-117	10	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	13.6	15.0	68	75	32-112	10	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	15.1	16.6	75	83	61-116	10	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	15.7	17.4	79	87	58-126	10	30	
1,2-Dichloroethane	ug/L	ND	20	20	15.3	16.2	77	81	49-135	6	30	
1,2-Dichloropropane	ug/L	ND	20	20	16.5	17.5	83	87	67-121	6	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	15.6	17.1	78	86	60-121	9	30	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30384469

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2016899 2016900

Parameter	Units	30383917009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	ND	20	20	14.7	16.5	64	73	59-138	12	30	
2-Hexanone	ug/L	ND	20	20	16.1	17.3	80	87	66-123	8	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	16.0	16.7	80	83	70-130	4	30	
Acetone	ug/L	ND	20	20	17.5	20.2	87	101	57-140	15	30	
Acrylonitrile	ug/L	ND	20	20	19.2	17.9	96	90	47-134	7	30	
Benzene	ug/L	ND	20	20	16.1	16.9	80	85	50-149	5	30	
Bromochloromethane	ug/L	ND	20	20	15.8	17.4	79	87	63-120	10	30	
Bromodichloromethane	ug/L	ND	20	20	16.0	17.7	80	89	46-131	10	30	
Bromoform	ug/L	ND	20	20	14.3	14.9	71	75	30-119	4	30	
Bromomethane	ug/L	ND	20	20	3.6	4.2	17	20	10-163	17	30	
Carbon disulfide	ug/L	ND	20	20	12.4	11.7	62	58	41-116	6	30	
Carbon tetrachloride	ug/L	ND	20	20	16.8	18.1	84	90	55-119	7	30	
Chlorobenzene	ug/L	ND	20	20	16.2	17.8	81	89	66-124	10	30	
Chloroethane	ug/L	ND	20	20	15.9	15.4	80	77	45-162	3	30	
Chloroform	ug/L	ND	20	20	15.9	16.1	80	80	56-123	1	30	
Chloromethane	ug/L	ND	20	20	13.7	13.6	68	68	49-150	0	30	
cis-1,2-Dichloroethene	ug/L	2.8	20	20	23.8	22.3	105	97	63-116	7	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	15.4	15.9	77	79	46-119	3	30	
Dibromochloromethane	ug/L	ND	20	20	15.1	16.0	75	80	42-120	6	30	
Dibromomethane	ug/L	ND	20	20	13.9	15.6	70	78	55-117	11	30	
Ethylbenzene	ug/L	ND	20	20	16.1	17.8	80	89	63-135	10	30	
Iodomethane	ug/L	ND	20	20	3.1J	4.3J	15	21	10-175		30	IH
Methyl-tert-butyl ether	ug/L	ND	20	20	15.6	16.5	78	82	53-123	5	30	
Methylene Chloride	ug/L	ND	20	20	17.0	17.1	85	86	57-132	1	30	
Naphthalene	ug/L	ND	20	20	14.5	16.3	73	81	30-157	11	30	
Styrene	ug/L	ND	20	20	15.3	15.6	77	78	58-130	2	30	
Tetrachloroethene	ug/L	ND	20	20	15.7	17.8	78	89	61-132	13	30	
Toluene	ug/L	ND	20	20	15.9	17.1	79	86	59-139	8	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	16.6	17.6	83	88	60-124	6	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	14.8	16.5	74	83	48-121	11	30	
trans-1,4-Dichloro-2-butene	ug/L	ND	20	20	8.7	8.5	43	42	10-111	3	30	
Trichloroethene	ug/L	ND	20	20	16.1	17.1	80	85	63-128	6	30	
Trichlorofluoromethane	ug/L	ND	20	20	17.8	18.6	89	93	70-152	5	30	
Vinyl acetate	ug/L	ND	20	20	11.5	11.8	58	59	23-102	3	30	
Vinyl chloride	ug/L	2.2	20	20	17.3	17.2	75	75	67-141	1	30	
Xylene (Total)	ug/L	ND	60	60	48.5	52.2	81	87	63-135	7	30	
1,2-Dichloroethane-d4 (S)	%.						110	100	70-130			
4-Bromofluorobenzene (S)	%.						99	100	70-130			
Dibromofluoromethane (S)	%.						101	100	70-130			
Toluene-d8 (S)	%.						100	99	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30384469

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 30384469004
[1] Residual Chlorine was present in the VOA vial used for analysis.

Sample: 30384469005
[1] Residual Chlorine was present in the VOA vial used for analysis.

Sample: 30384469006
[1] Residual Chlorine was present in the VOA vial used for analysis.

Sample: 30384469007
[1] Residual Chlorine was present in the VOA vial used for analysis.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30384469

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30384469001	**Trip Blank**	EPA 8260B	416952		
30384469002	**CO42-PZM004**	EPA 8260B	416952		
30384469003	**CO72-PZM005**	EPA 8260B	416952		
30384469004	**CO71-PZM006**	EPA 8260B	417153		
30384469005	**CO70-PZM005**	EPA 8260B	417153		
30384469006	**CO69-PZM005**	EPA 8260B	416952		
30384469007	**CO68-PZM005**	EPA 8260B	416952		
30384469008	**CO67-PZM006**	EPA 8260B	416952		
30384469009	**CO66-PZM005**	EPA 8260B	416952		
30384469010	**CO64-PZM006**	EPA 8260B	416952		
30384469011	**CO63-PZM007**	EPA 8260B	416952		
30384469012	**CO61-PZM007**	EPA 8260B	416952		

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www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be compl

WO# : 30384469

30384469

Section A
Required Client Information:

Company:	Tradepoint Atlantic
Address:	1600 Sparrows Point Blvd
	Sparrows Point, MD 21219
Email To:	
Phone:	Fax:
Requested Due Date/TAT:	5 day

Section B
Required Project Information:

Report To:	Matt Newman
Copy To:	Stew Kabis
PO Number:	
Project Name:	COA IM GW Sampling
Project Number:	

Section C
Invoice Information:

Attention:	Matt Newman
Company Name:	Tradepoint Atlantic
Address:	1600 Sparrows Point Blvd Sparrows Point, Md 21219
Pace Quote Reference:	
Pace Project Manager:	Samantha Bayura
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MD

Section D
Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Other	DI Water	Analysis Test (Y/N)	VOC + Napth by 8260	Pace Project No./ Lab I.D.
1	Trip Blank	WT	G			9/28/20	—		2				2						X	001
2	C042-PZM004	WT	G				955		3				3						X	002
3	C072-PZM005	WT	G				1020		3				3						X	003
4	C071-PZM006	WT	G				1040		3				3						X	004
5	C070-PZM005	WT	G				1105		3				3						X	005
6	C069-PZM005	WT	G				1130		3				3						X	006
7	C068-PZM005	WT	G				1155		3				3						X	007
8	C067-PZM006	WT	G				1220		3				3						X	008
9	C066-PZM005	WT	G				1250		3				3						X	009
10	C064-PZM006	WT	G				1325		3				3						X	010
11	C063-PZM007	WT	G				1345		3				3						X	011
12	C061-PZM007	WT	G				1510		3				3						X	012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Sample Conditions: Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Data Package Required? (Y/N):	[signature]	9/28/20	1600	[signature] / PACE	9-28-20	1600			
Data Validation Required? (Y/N):	[signature] / PACE	9/28/20	1900	RDS PACE	9-28-20	1915		X	
If data package is required, attach data package checklist.	RDS PACE	9/28/20	2215	Marion L (Ven)	9/28/20	2215	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lisa Perrin

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 9/28/20

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.06, 2-Feb-2007

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Tradepoint Atlantic Project # #30384469

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Label MC
LIMS Login MC

Tracking #: N/A

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used 11 Type of Ice: Wet Blue None

Cooler Temperature Observed Temp 3.6 °C Correction Factor: .4 °C Final Temp: 3.7 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# N/A	Date and initials of person examining contents: MC 9/29/2020
Chain of Custody Present:	✓			1.	
Chain of Custody Filled Out:	✓			2.	
Chain of Custody Relinquished:	✓			3.	
Sampler Name & Signature on COC:	✓			4.	
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.	
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):		✓		7.	
Rush Turn Around Time Requested:	✓			8.	
Sufficient Volume:	✓			9.	
Correct Containers Used: -Pace Containers Used:	✓			10.	
Containers Intact:	✓			11.	
Orthophosphate field filtered			✓	12.	
Hex Cr Aqueous sample field filtered			✓	13.	
Organic Samples checked for dechlorination:			✓	14.	
Filtered volume received for Dissolved tests			✓	15.	
All containers have been checked for preservation. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix		✓		16.	
All containers meet method preservation requirements.	✓			Initial when completed MC	Date/time of preservation
				Lot # of added preservative	
Headspace in VOA Vials (>6mm):		✓		17.	
Trip Blank Present:	✓			18.	
Trip Blank Custody Seals Present	✓				
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed:	Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

January 06, 2021

Mr. Matthew Newman
Tradepoint Atlantic
1600 Sparrow's Point Boulevard
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30398848

Dear Mr. Newman:

Enclosed are the analytical results for sample(s) received by the laboratory on December 28, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

cc: Ms. Penny Gardner, Environmental Data Quality, Inc.
J.Price, ARM Group Inc.
Mr. Stewart Kabis, ARM Group Inc.
Mr. Eric S. Magdar, ARM Group Inc.
Ms. Shawne M. Rodgers, Environmental Data Quality, Inc.

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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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Greensburg, PA 15601
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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30398848

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30398848001	**Trip Blank**	Water	12/28/20 00:01	12/28/20 21:30
30398848002	**CO72-PZM005**	Water	12/28/20 08:45	12/28/20 21:30
30398848003	**CO71-PZM006**	Water	12/28/20 09:20	12/28/20 21:30
30398848004	**CO70-PZM005**	Water	12/28/20 09:50	12/28/20 21:30
30398848005	**CO69-PZM005**	Water	12/28/20 10:30	12/28/20 21:30
30398848006	**CO68-PZM005**	Water	12/28/20 10:55	12/28/20 21:30
30398848007	**CO67-PZM006**	Water	12/28/20 11:10	12/28/20 21:30
30398848008	**CO66-PZM005**	Water	12/28/20 11:30	12/28/20 21:30
30398848009	**CO65-PZM005**	Water	12/28/20 12:00	12/28/20 21:30
30398848010	**CO64-PZM006**	Water	12/28/20 12:30	12/28/20 21:30
30398848011	**CO63-PZM007**	Water	12/28/20 12:50	12/28/20 21:30
30398848012	**CO61-PZM007**	Water	12/28/20 14:00	12/28/20 21:30
30398848013	**CO18-PZM006**	Water	12/28/20 15:00	12/28/20 21:30

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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30398848

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30398848001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30398848002	**CO72-PZM005**	EPA 8260B	LEL	53	PASI-PA
30398848003	**CO71-PZM006**	EPA 8260B	LEL	53	PASI-PA
30398848004	**CO70-PZM005**	EPA 8260B	LEL	53	PASI-PA
30398848005	**CO69-PZM005**	EPA 8260B	LEL	53	PASI-PA
30398848006	**CO68-PZM005**	EPA 8260B	LEL	53	PASI-PA
30398848007	**CO67-PZM006**	EPA 8260B	LEL	53	PASI-PA
30398848008	**CO66-PZM005**	EPA 8260B	LEL	53	PASI-PA
30398848009	**CO65-PZM005**	EPA 8260B	LEL	53	PASI-PA
30398848010	**CO64-PZM006**	EPA 8260B	LEL	53	PASI-PA
30398848011	**CO63-PZM007**	EPA 8260B	LEL	53	PASI-PA
30398848012	**CO61-PZM007**	EPA 8260B	LEL	53	PASI-PA
30398848013	**CO18-PZM006**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: Trip Blank **Lab ID: 30398848001** Collected: 12/28/20 00:01 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/04/21 13:54	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 13:54	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/04/21 13:54	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 13:54	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		01/04/21 13:54	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/04/21 13:54	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/04/21 13:54	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/04/21 13:54	96-12-8	L1
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 13:54	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 13:54	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 13:54	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 13:54	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 13:54	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/04/21 13:54	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/04/21 13:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/04/21 13:54	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		01/04/21 13:54	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/04/21 13:54	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		01/04/21 13:54	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 13:54	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/04/21 13:54	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/04/21 13:54	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		01/04/21 13:54	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 13:54	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 13:54	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		01/04/21 13:54	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 13:54	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 13:54	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/04/21 13:54	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/04/21 13:54	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/04/21 13:54	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		01/04/21 13:54	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		01/04/21 13:54	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/04/21 13:54	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 13:54	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		01/04/21 13:54	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 13:54	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 13:54	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 13:54	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 13:54	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/04/21 13:54	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/04/21 13:54	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 13:54	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		01/04/21 13:54	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 13:54	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: Trip Blank **Lab ID: 30398848001** Collected: 12/28/20 00:01 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 13:54	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 13:54	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 13:54	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/04/21 13:54	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		01/04/21 13:54	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%.	70-130		1		01/04/21 13:54	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		1		01/04/21 13:54	2037-26-5	
Dibromofluoromethane (S)	101	%.	70-130		1		01/04/21 13:54	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO72-PZM005 **Lab ID: 30398848002** Collected: 12/28/20 08:45 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**10.0 U**	ug/L	10.0	5.5	10		01/04/21 18:52	630-20-6	
1,1,1-Trichloroethane	**10.0 U**	ug/L	10.0	3.8	10		01/04/21 18:52	71-55-6	
1,1,2,2-Tetrachloroethane	**10.0 U**	ug/L	10.0	4.7	10		01/04/21 18:52	79-34-5	
1,1,2-Trichloroethane	**10.0 U**	ug/L	10.0	3.3	10		01/04/21 18:52	79-00-5	
1,1-Dichloroethane	**10.0 U**	ug/L	10.0	2.4	10		01/04/21 18:52	75-34-3	
1,1-Dichloroethene	**10.0 U**	ug/L	10.0	2.4	10		01/04/21 18:52	75-35-4	
1,2,3-Trichloropropane	**10.0 U**	ug/L	10.0	5.8	10		01/04/21 18:52	96-18-4	
1,2-Dibromo-3-chloropropane	**50.0 U**	ug/L	50.0	5.5	10		01/04/21 18:52	96-12-8	L1
1,2-Dibromoethane (EDB)	**10.0 U**	ug/L	10.0	4.4	10		01/04/21 18:52	106-93-4	
1,2-Dichlorobenzene	**10.0 U**	ug/L	10.0	3.8	10		01/04/21 18:52	95-50-1	
1,2-Dichloroethane	**10.0 U**	ug/L	10.0	3.3	10		01/04/21 18:52	107-06-2	
1,2-Dichloropropane	**10.0 U**	ug/L	10.0	2.8	10		01/04/21 18:52	78-87-5	
1,4-Dichlorobenzene	**10.0 U**	ug/L	10.0	4.8	10		01/04/21 18:52	106-46-7	
2-Butanone (MEK)	**100 U**	ug/L	100	15.2	10		01/04/21 18:52	78-93-3	
2-Hexanone	**100 U**	ug/L	100	5.8	10		01/04/21 18:52	591-78-6	
4-Methyl-2-pentanone (MIBK)	**100 U**	ug/L	100	4.2	10		01/04/21 18:52	108-10-1	
Acetone	**100 U**	ug/L	100	56.1	10		01/04/21 18:52	67-64-1	
Acrylonitrile	**40.0 U**	ug/L	40.0	5.5	10		01/04/21 18:52	107-13-1	
Benzene	**161**	ug/L	10.0	3.4	10		01/04/21 18:52	71-43-2	
Bromochloromethane	**10.0 U**	ug/L	10.0	4.8	10		01/04/21 18:52	74-97-5	
Bromodichloromethane	**10.0 U**	ug/L	10.0	3.5	10		01/04/21 18:52	75-27-4	
Bromoform	**10.0 U**	ug/L	10.0	5.6	10		01/04/21 18:52	75-25-2	
Bromomethane	**10.0 U**	ug/L	10.0	7.3	10		01/04/21 18:52	74-83-9	
Carbon disulfide	**10.0 U**	ug/L	10.0	3.2	10		01/04/21 18:52	75-15-0	
Carbon tetrachloride	**10.0 U**	ug/L	10.0	4.4	10		01/04/21 18:52	56-23-5	
Chlorobenzene	**10.0 U**	ug/L	10.0	2.6	10		01/04/21 18:52	108-90-7	
Chloroethane	**10.0 U**	ug/L	10.0	6.4	10		01/04/21 18:52	75-00-3	
Chloroform	**10.0 U**	ug/L	10.0	3.9	10		01/04/21 18:52	67-66-3	
Chloromethane	**10.0 U**	ug/L	10.0	4.0	10		01/04/21 18:52	74-87-3	
Dibromochloromethane	**10.0 U**	ug/L	10.0	4.3	10		01/04/21 18:52	124-48-1	
Dibromomethane	**10.0 U**	ug/L	10.0	3.4	10		01/04/21 18:52	74-95-3	
Ethylbenzene	**7.2J**	ug/L	10.0	4.0	10		01/04/21 18:52	100-41-4	
Iodomethane	**500 U**	ug/L	500	5.2	10		01/04/21 18:52	74-88-4	
Methyl-tert-butyl ether	**10.0 U**	ug/L	10.0	2.5	10		01/04/21 18:52	1634-04-4	
Methylene Chloride	**10.0 U**	ug/L	10.0	6.4	10		01/04/21 18:52	75-09-2	
Naphthalene	**2990**	ug/L	20.0	8.2	10		01/04/21 18:52	91-20-3	
Styrene	**34.4**	ug/L	10.0	3.3	10		01/04/21 18:52	100-42-5	
Tetrachloroethene	**10.0 U**	ug/L	10.0	3.9	10		01/04/21 18:52	127-18-4	
Toluene	**58.3**	ug/L	10.0	3.2	10		01/04/21 18:52	108-88-3	
Trichloroethene	**10.0 U**	ug/L	10.0	2.9	10		01/04/21 18:52	79-01-6	
Trichlorofluoromethane	**10.0 U**	ug/L	10.0	5.1	10		01/04/21 18:52	75-69-4	
Vinyl acetate	**10.0 U**	ug/L	10.0	5.7	10		01/04/21 18:52	108-05-4	
Vinyl chloride	**10.0 U**	ug/L	10.0	2.9	10		01/04/21 18:52	75-01-4	
Xylene (Total)	**146**	ug/L	30.0	13.5	10		01/04/21 18:52	1330-20-7	
cis-1,2-Dichloroethene	**10.0 U**	ug/L	10.0	3.8	10		01/04/21 18:52	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO72-PZM005 **Lab ID: 30398848002** Collected: 12/28/20 08:45 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**10.0 U**	ug/L	10.0	2.9	10		01/04/21 18:52	10061-01-5	
trans-1,2-Dichloroethene	**10.0 U**	ug/L	10.0	2.8	10		01/04/21 18:52	156-60-5	
trans-1,3-Dichloropropene	**10.0 U**	ug/L	10.0	3.2	10		01/04/21 18:52	10061-02-6	
trans-1,4-Dichloro-2-butene	**50.0 U**	ug/L	50.0	5.8	10		01/04/21 18:52	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%.	70-130		10		01/04/21 18:52	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%.	70-130		10		01/04/21 18:52	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		10		01/04/21 18:52	2037-26-5	
Dibromofluoromethane (S)	96	%.	70-130		10		01/04/21 18:52	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO71-PZM006 **Lab ID: 30398848003** Collected: 12/28/20 09:20 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/04/21 14:19	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 14:19	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/04/21 14:19	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 14:19	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		01/04/21 14:19	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/04/21 14:19	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/04/21 14:19	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/04/21 14:19	96-12-8	L1
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 14:19	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 14:19	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 14:19	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 14:19	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 14:19	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/04/21 14:19	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/04/21 14:19	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/04/21 14:19	108-10-1	
Acetone	**9.3J**	ug/L	10.0	5.6	1		01/04/21 14:19	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/04/21 14:19	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		01/04/21 14:19	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 14:19	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/04/21 14:19	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/04/21 14:19	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		01/04/21 14:19	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 14:19	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 14:19	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		01/04/21 14:19	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 14:19	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 14:19	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/04/21 14:19	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/04/21 14:19	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/04/21 14:19	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		01/04/21 14:19	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		01/04/21 14:19	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/04/21 14:19	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 14:19	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		01/04/21 14:19	91-20-3	
Styrene	**0.34J**	ug/L	1.0	0.33	1		01/04/21 14:19	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 14:19	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 14:19	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 14:19	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/04/21 14:19	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/04/21 14:19	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 14:19	75-01-4	
Xylene (Total)	**15.4**	ug/L	3.0	1.4	1		01/04/21 14:19	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 14:19	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO71-PZM006 **Lab ID: 30398848003** Collected: 12/28/20 09:20 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 14:19	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 14:19	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 14:19	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/04/21 14:19	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		1		01/04/21 14:19	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%.	70-130		1		01/04/21 14:19	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		01/04/21 14:19	2037-26-5	
Dibromofluoromethane (S)	103	%.	70-130		1		01/04/21 14:19	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO70-PZM005 **Lab ID: 30398848004** Collected: 12/28/20 09:50 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/04/21 14:44	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 14:44	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/04/21 14:44	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 14:44	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		01/04/21 14:44	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/04/21 14:44	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/04/21 14:44	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/04/21 14:44	96-12-8	L1
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 14:44	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 14:44	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 14:44	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 14:44	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 14:44	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/04/21 14:44	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/04/21 14:44	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/04/21 14:44	108-10-1	
Acetone	**6.2J**	ug/L	10.0	5.6	1		01/04/21 14:44	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/04/21 14:44	107-13-1	
Benzene	**10.5**	ug/L	1.0	0.34	1		01/04/21 14:44	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 14:44	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/04/21 14:44	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/04/21 14:44	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		01/04/21 14:44	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 14:44	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 14:44	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		01/04/21 14:44	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 14:44	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 14:44	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/04/21 14:44	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/04/21 14:44	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/04/21 14:44	74-95-3	
Ethylbenzene	**0.79J**	ug/L	1.0	0.40	1		01/04/21 14:44	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		01/04/21 14:44	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/04/21 14:44	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 14:44	75-09-2	
Naphthalene	**71.4**	ug/L	2.0	0.82	1		01/04/21 14:44	91-20-3	
Styrene	**1.3**	ug/L	1.0	0.33	1		01/04/21 14:44	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 14:44	127-18-4	
Toluene	**3.8**	ug/L	1.0	0.32	1		01/04/21 14:44	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 14:44	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/04/21 14:44	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/04/21 14:44	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 14:44	75-01-4	
Xylene (Total)	**12.1**	ug/L	3.0	1.4	1		01/04/21 14:44	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 14:44	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO70-PZM005 **Lab ID: 30398848004** Collected: 12/28/20 09:50 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 14:44	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 14:44	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 14:44	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/04/21 14:44	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		1		01/04/21 14:44	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%.	70-130		1		01/04/21 14:44	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		01/04/21 14:44	2037-26-5	
Dibromofluoromethane (S)	98	%.	70-130		1		01/04/21 14:44	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO69-PZM005 **Lab ID: 30398848005** Collected: 12/28/20 10:30 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/04/21 15:08	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 15:08	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/04/21 15:08	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 15:08	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		01/04/21 15:08	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/04/21 15:08	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/04/21 15:08	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/04/21 15:08	96-12-8	L1
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 15:08	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 15:08	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 15:08	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 15:08	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 15:08	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/04/21 15:08	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/04/21 15:08	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/04/21 15:08	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		01/04/21 15:08	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/04/21 15:08	107-13-1	
Benzene	**209**	ug/L	1.0	0.34	1		01/04/21 15:08	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 15:08	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/04/21 15:08	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/04/21 15:08	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		01/04/21 15:08	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 15:08	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 15:08	56-23-5	
Chlorobenzene	**0.37J**	ug/L	1.0	0.26	1		01/04/21 15:08	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 15:08	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 15:08	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/04/21 15:08	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/04/21 15:08	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/04/21 15:08	74-95-3	
Ethylbenzene	**10.5**	ug/L	1.0	0.40	1		01/04/21 15:08	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		01/04/21 15:08	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/04/21 15:08	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 15:08	75-09-2	
Naphthalene	**14000**	ug/L	100	41.0	50		01/05/21 16:53	91-20-3	
Styrene	**40.6**	ug/L	1.0	0.33	1		01/04/21 15:08	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 15:08	127-18-4	
Toluene	**74.5**	ug/L	1.0	0.32	1		01/04/21 15:08	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 15:08	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/04/21 15:08	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/04/21 15:08	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 15:08	75-01-4	
Xylene (Total)	**207**	ug/L	3.0	1.4	1		01/04/21 15:08	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 15:08	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO69-PZM005 **Lab ID: 30398848005** Collected: 12/28/20 10:30 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 15:08	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 15:08	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 15:08	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/04/21 15:08	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		1		01/04/21 15:08	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%.	70-130		1		01/04/21 15:08	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		01/04/21 15:08	2037-26-5	
Dibromofluoromethane (S)	99	%.	70-130		1		01/04/21 15:08	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO68-PZM005 **Lab ID: 30398848006** Collected: 12/28/20 10:55 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/04/21 16:23	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 16:23	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/04/21 16:23	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 16:23	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		01/04/21 16:23	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/04/21 16:23	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/04/21 16:23	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/04/21 16:23	96-12-8	L1
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 16:23	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 16:23	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 16:23	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 16:23	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 16:23	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/04/21 16:23	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/04/21 16:23	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/04/21 16:23	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		01/04/21 16:23	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/04/21 16:23	107-13-1	
Benzene	**227**	ug/L	1.0	0.34	1		01/04/21 16:23	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 16:23	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/04/21 16:23	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/04/21 16:23	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		01/04/21 16:23	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 16:23	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 16:23	56-23-5	
Chlorobenzene	**0.46J**	ug/L	1.0	0.26	1		01/04/21 16:23	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 16:23	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 16:23	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/04/21 16:23	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/04/21 16:23	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/04/21 16:23	74-95-3	
Ethylbenzene	**11.0**	ug/L	1.0	0.40	1		01/04/21 16:23	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		01/04/21 16:23	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/04/21 16:23	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 16:23	75-09-2	
Naphthalene	**4920**	ug/L	100	41.0	50		01/05/21 17:18	91-20-3	
Styrene	**45.7**	ug/L	1.0	0.33	1		01/04/21 16:23	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 16:23	127-18-4	
Toluene	**88.2**	ug/L	1.0	0.32	1		01/04/21 16:23	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 16:23	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/04/21 16:23	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/04/21 16:23	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 16:23	75-01-4	
Xylene (Total)	**222**	ug/L	3.0	1.4	1		01/04/21 16:23	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 16:23	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO68-PZM005 **Lab ID: 30398848006** Collected: 12/28/20 10:55 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 16:23	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 16:23	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 16:23	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/04/21 16:23	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%.	70-130		1		01/04/21 16:23	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%.	70-130		1		01/04/21 16:23	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		01/04/21 16:23	2037-26-5	
Dibromofluoromethane (S)	100	%.	70-130		1		01/04/21 16:23	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO67-PZM006 **Lab ID: 30398848007** Collected: 12/28/20 11:10 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/04/21 17:12	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 17:12	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/04/21 17:12	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 17:12	79-00-5	
1,1-Dichloroethane	**0.32J**	ug/L	1.0	0.24	1		01/04/21 17:12	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/04/21 17:12	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/04/21 17:12	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/04/21 17:12	96-12-8	L1
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 17:12	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 17:12	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 17:12	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 17:12	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 17:12	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/04/21 17:12	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/04/21 17:12	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/04/21 17:12	108-10-1	
Acetone	**8.9J**	ug/L	10.0	5.6	1		01/04/21 17:12	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/04/21 17:12	107-13-1	
Benzene	**217**	ug/L	1.0	0.34	1		01/04/21 17:12	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 17:12	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/04/21 17:12	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/04/21 17:12	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		01/04/21 17:12	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 17:12	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 17:12	56-23-5	
Chlorobenzene	**0.34J**	ug/L	1.0	0.26	1		01/04/21 17:12	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 17:12	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 17:12	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/04/21 17:12	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/04/21 17:12	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/04/21 17:12	74-95-3	
Ethylbenzene	**8.6**	ug/L	1.0	0.40	1		01/04/21 17:12	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		01/04/21 17:12	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/04/21 17:12	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 17:12	75-09-2	
Naphthalene	**6990**	ug/L	40.0	16.4	20		01/04/21 17:37	91-20-3	
Styrene	**24.1**	ug/L	1.0	0.33	1		01/04/21 17:12	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 17:12	127-18-4	
Toluene	**68.3**	ug/L	1.0	0.32	1		01/04/21 17:12	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 17:12	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/04/21 17:12	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/04/21 17:12	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 17:12	75-01-4	
Xylene (Total)	**155**	ug/L	3.0	1.4	1		01/04/21 17:12	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 17:12	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO67-PZM006 **Lab ID: 30398848007** Collected: 12/28/20 11:10 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 17:12	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 17:12	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 17:12	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/04/21 17:12	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%.	70-130		1		01/04/21 17:12	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%.	70-130		1		01/04/21 17:12	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		01/04/21 17:12	2037-26-5	
Dibromofluoromethane (S)	102	%.	70-130		1		01/04/21 17:12	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO66-PZM005 **Lab ID: 30398848008** Collected: 12/28/20 11:30 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**10.0 U**	ug/L	10.0	5.5	10		01/04/21 19:16	630-20-6	
1,1,1-Trichloroethane	**10.0 U**	ug/L	10.0	3.8	10		01/04/21 19:16	71-55-6	
1,1,2,2-Tetrachloroethane	**10.0 U**	ug/L	10.0	4.7	10		01/04/21 19:16	79-34-5	
1,1,2-Trichloroethane	**10.0 U**	ug/L	10.0	3.3	10		01/04/21 19:16	79-00-5	
1,1-Dichloroethane	**10.0 U**	ug/L	10.0	2.4	10		01/04/21 19:16	75-34-3	
1,1-Dichloroethene	**10.0 U**	ug/L	10.0	2.4	10		01/04/21 19:16	75-35-4	
1,2,3-Trichloropropane	**10.0 U**	ug/L	10.0	5.8	10		01/04/21 19:16	96-18-4	
1,2-Dibromo-3-chloropropane	**50.0 U**	ug/L	50.0	5.5	10		01/04/21 19:16	96-12-8	L1
1,2-Dibromoethane (EDB)	**10.0 U**	ug/L	10.0	4.4	10		01/04/21 19:16	106-93-4	
1,2-Dichlorobenzene	**10.0 U**	ug/L	10.0	3.8	10		01/04/21 19:16	95-50-1	
1,2-Dichloroethane	**10.0 U**	ug/L	10.0	3.3	10		01/04/21 19:16	107-06-2	
1,2-Dichloropropane	**10.0 U**	ug/L	10.0	2.8	10		01/04/21 19:16	78-87-5	
1,4-Dichlorobenzene	**10.0 U**	ug/L	10.0	4.8	10		01/04/21 19:16	106-46-7	
2-Butanone (MEK)	**100 U**	ug/L	100	15.2	10		01/04/21 19:16	78-93-3	
2-Hexanone	**100 U**	ug/L	100	5.8	10		01/04/21 19:16	591-78-6	
4-Methyl-2-pentanone (MIBK)	**100 U**	ug/L	100	4.2	10		01/04/21 19:16	108-10-1	
Acetone	**100 U**	ug/L	100	56.1	10		01/04/21 19:16	67-64-1	
Acrylonitrile	**40.0 U**	ug/L	40.0	5.5	10		01/04/21 19:16	107-13-1	
Benzene	**180**	ug/L	10.0	3.4	10		01/04/21 19:16	71-43-2	
Bromochloromethane	**10.0 U**	ug/L	10.0	4.8	10		01/04/21 19:16	74-97-5	
Bromodichloromethane	**10.0 U**	ug/L	10.0	3.5	10		01/04/21 19:16	75-27-4	
Bromoform	**10.0 U**	ug/L	10.0	5.6	10		01/04/21 19:16	75-25-2	
Bromomethane	**10.0 U**	ug/L	10.0	7.3	10		01/04/21 19:16	74-83-9	
Carbon disulfide	**10.0 U**	ug/L	10.0	3.2	10		01/04/21 19:16	75-15-0	
Carbon tetrachloride	**10.0 U**	ug/L	10.0	4.4	10		01/04/21 19:16	56-23-5	
Chlorobenzene	**10.0 U**	ug/L	10.0	2.6	10		01/04/21 19:16	108-90-7	
Chloroethane	**10.0 U**	ug/L	10.0	6.4	10		01/04/21 19:16	75-00-3	
Chloroform	**10.0 U**	ug/L	10.0	3.9	10		01/04/21 19:16	67-66-3	
Chloromethane	**10.0 U**	ug/L	10.0	4.0	10		01/04/21 19:16	74-87-3	
Dibromochloromethane	**10.0 U**	ug/L	10.0	4.3	10		01/04/21 19:16	124-48-1	
Dibromomethane	**10.0 U**	ug/L	10.0	3.4	10		01/04/21 19:16	74-95-3	
Ethylbenzene	**5.6J**	ug/L	10.0	4.0	10		01/04/21 19:16	100-41-4	
Iodomethane	**500 U**	ug/L	500	5.2	10		01/04/21 19:16	74-88-4	
Methyl-tert-butyl ether	**10.0 U**	ug/L	10.0	2.5	10		01/04/21 19:16	1634-04-4	
Methylene Chloride	**10.0 U**	ug/L	10.0	6.4	10		01/04/21 19:16	75-09-2	
Naphthalene	**1440**	ug/L	20.0	8.2	10		01/04/21 19:16	91-20-3	
Styrene	**15.7**	ug/L	10.0	3.3	10		01/04/21 19:16	100-42-5	
Tetrachloroethene	**10.0 U**	ug/L	10.0	3.9	10		01/04/21 19:16	127-18-4	
Toluene	**51.6**	ug/L	10.0	3.2	10		01/04/21 19:16	108-88-3	
Trichloroethene	**10.0 U**	ug/L	10.0	2.9	10		01/04/21 19:16	79-01-6	
Trichlorofluoromethane	**10.0 U**	ug/L	10.0	5.1	10		01/04/21 19:16	75-69-4	
Vinyl acetate	**10.0 U**	ug/L	10.0	5.7	10		01/04/21 19:16	108-05-4	
Vinyl chloride	**10.0 U**	ug/L	10.0	2.9	10		01/04/21 19:16	75-01-4	
Xylene (Total)	**95.1**	ug/L	30.0	13.5	10		01/04/21 19:16	1330-20-7	
cis-1,2-Dichloroethene	**10.0 U**	ug/L	10.0	3.8	10		01/04/21 19:16	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO66-PZM005 **Lab ID: 30398848008** Collected: 12/28/20 11:30 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**10.0 U**	ug/L	10.0	2.9	10		01/04/21 19:16	10061-01-5	
trans-1,2-Dichloroethene	**10.0 U**	ug/L	10.0	2.8	10		01/04/21 19:16	156-60-5	
trans-1,3-Dichloropropene	**10.0 U**	ug/L	10.0	3.2	10		01/04/21 19:16	10061-02-6	
trans-1,4-Dichloro-2-butene	**50.0 U**	ug/L	50.0	5.8	10		01/04/21 19:16	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	111	%.	70-130		10		01/04/21 19:16	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%.	70-130		10		01/04/21 19:16	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		10		01/04/21 19:16	2037-26-5	
Dibromofluoromethane (S)	100	%.	70-130		10		01/04/21 19:16	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO65-PZM005 **Lab ID: 30398848009** Collected: 12/28/20 12:00 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		01/04/21 19:41	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 19:41	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 19:41	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 19:41	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 19:41	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 19:41	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 19:41	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		01/04/21 19:41	96-12-8	L1
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 19:41	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 19:41	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 19:41	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 19:41	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 19:41	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		01/04/21 19:41	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		01/04/21 19:41	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		01/04/21 19:41	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		01/04/21 19:41	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		01/04/21 19:41	107-13-1	
Benzene	**294**	ug/L	5.0	1.7	5		01/04/21 19:41	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 19:41	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 19:41	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		01/04/21 19:41	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		01/04/21 19:41	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 19:41	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 19:41	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		01/04/21 19:41	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 19:41	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 19:41	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 19:41	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		01/04/21 19:41	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 19:41	74-95-3	
Ethylbenzene	**14.2**	ug/L	5.0	2.0	5		01/04/21 19:41	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		01/04/21 19:41	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 19:41	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 19:41	75-09-2	
Naphthalene	**14200**	ug/L	100	41.0	50		01/04/21 20:06	91-20-3	
Styrene	**45.9**	ug/L	5.0	1.6	5		01/04/21 19:41	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 19:41	127-18-4	
Toluene	**126**	ug/L	5.0	1.6	5		01/04/21 19:41	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		01/04/21 19:41	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		01/04/21 19:41	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 19:41	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 19:41	75-01-4	
Xylene (Total)	**271**	ug/L	15.0	6.8	5		01/04/21 19:41	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 19:41	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO65-PZM005 **Lab ID: 30398848009** Collected: 12/28/20 12:00 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 19:41	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 19:41	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 19:41	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		01/04/21 19:41	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%.	70-130		5		01/04/21 19:41	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%.	70-130		5		01/04/21 19:41	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		5		01/04/21 19:41	2037-26-5	
Dibromofluoromethane (S)	97	%.	70-130		5		01/04/21 19:41	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO64-PZM006 **Lab ID: 30398848010** Collected: 12/28/20 12:30 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		01/04/21 18:02	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 18:02	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 18:02	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 18:02	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 18:02	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 18:02	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 18:02	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		01/04/21 18:02	96-12-8	L1
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 18:02	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 18:02	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 18:02	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 18:02	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 18:02	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		01/04/21 18:02	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		01/04/21 18:02	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		01/04/21 18:02	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		01/04/21 18:02	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		01/04/21 18:02	107-13-1	
Benzene	**273**	ug/L	5.0	1.7	5		01/04/21 18:02	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 18:02	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 18:02	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		01/04/21 18:02	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		01/04/21 18:02	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 18:02	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 18:02	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		01/04/21 18:02	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 18:02	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 18:02	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 18:02	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		01/04/21 18:02	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 18:02	74-95-3	
Ethylbenzene	**14.3**	ug/L	5.0	2.0	5		01/04/21 18:02	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		01/04/21 18:02	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 18:02	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 18:02	75-09-2	
Naphthalene	**2290**	ug/L	10.0	4.1	5		01/04/21 18:02	91-20-3	E
Styrene	**36.4**	ug/L	5.0	1.6	5		01/04/21 18:02	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 18:02	127-18-4	
Toluene	**103**	ug/L	5.0	1.6	5		01/04/21 18:02	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		01/04/21 18:02	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		01/04/21 18:02	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 18:02	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 18:02	75-01-4	
Xylene (Total)	**236**	ug/L	15.0	6.8	5		01/04/21 18:02	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 18:02	156-59-2	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO64-PZM006 **Lab ID: 30398848010** Collected: 12/28/20 12:30 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 18:02	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 18:02	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 18:02	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		01/04/21 18:02	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%.	70-130		5		01/04/21 18:02	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%.	70-130		5		01/04/21 18:02	17060-07-0	
Toluene-d8 (S)	102	%.	70-130		5		01/04/21 18:02	2037-26-5	
Dibromofluoromethane (S)	99	%.	70-130		5		01/04/21 18:02	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO63-PZM007 **Lab ID: 30398848011** Collected: 12/28/20 12:50 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		01/04/21 18:27	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 18:27	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 18:27	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 18:27	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 18:27	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 18:27	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 18:27	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		01/04/21 18:27	96-12-8	L1
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 18:27	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 18:27	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 18:27	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 18:27	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 18:27	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		01/04/21 18:27	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		01/04/21 18:27	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		01/04/21 18:27	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		01/04/21 18:27	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		01/04/21 18:27	107-13-1	
Benzene	**247**	ug/L	5.0	1.7	5		01/04/21 18:27	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 18:27	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 18:27	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		01/04/21 18:27	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		01/04/21 18:27	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 18:27	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 18:27	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		01/04/21 18:27	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 18:27	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 18:27	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 18:27	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		01/04/21 18:27	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 18:27	74-95-3	
Ethylbenzene	**12.0**	ug/L	5.0	2.0	5		01/04/21 18:27	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		01/04/21 18:27	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 18:27	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 18:27	75-09-2	
Naphthalene	**2180**	ug/L	10.0	4.1	5		01/04/21 18:27	91-20-3	E
Styrene	**22.3**	ug/L	5.0	1.6	5		01/04/21 18:27	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 18:27	127-18-4	
Toluene	**79.0**	ug/L	5.0	1.6	5		01/04/21 18:27	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		01/04/21 18:27	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		01/04/21 18:27	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 18:27	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 18:27	75-01-4	
Xylene (Total)	**177**	ug/L	15.0	6.8	5		01/04/21 18:27	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 18:27	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO63-PZM007 **Lab ID: 30398848011** Collected: 12/28/20 12:50 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 18:27	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 18:27	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 18:27	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		01/04/21 18:27	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%.	70-130		5		01/04/21 18:27	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%.	70-130		5		01/04/21 18:27	17060-07-0	
Toluene-d8 (S)	102	%.	70-130		5		01/04/21 18:27	2037-26-5	
Dibromofluoromethane (S)	98	%.	70-130		5		01/04/21 18:27	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO61-PZM007 **Lab ID: 30398848012** Collected: 12/28/20 14:00 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/04/21 15:33	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 15:33	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/04/21 15:33	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 15:33	79-00-5	
1,1-Dichloroethane	**0.99J**	ug/L	1.0	0.24	1		01/04/21 15:33	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/04/21 15:33	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/04/21 15:33	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/04/21 15:33	96-12-8	L1
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 15:33	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 15:33	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 15:33	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 15:33	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 15:33	106-46-7	
2-Butanone (MEK)	**1.9J**	ug/L	10.0	1.5	1		01/04/21 15:33	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/04/21 15:33	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/04/21 15:33	108-10-1	
Acetone	**11.3**	ug/L	10.0	5.6	1		01/04/21 15:33	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/04/21 15:33	107-13-1	
Benzene	**181**	ug/L	1.0	0.34	1		01/04/21 15:33	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 15:33	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/04/21 15:33	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/04/21 15:33	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		01/04/21 15:33	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 15:33	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 15:33	56-23-5	
Chlorobenzene	**0.28J**	ug/L	1.0	0.26	1		01/04/21 15:33	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 15:33	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 15:33	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/04/21 15:33	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/04/21 15:33	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/04/21 15:33	74-95-3	
Ethylbenzene	**9.1**	ug/L	1.0	0.40	1		01/04/21 15:33	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		01/04/21 15:33	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/04/21 15:33	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 15:33	75-09-2	
Naphthalene	**2690**	ug/L	100	41.0	50		01/05/21 17:43	91-20-3	
Styrene	**21.8**	ug/L	1.0	0.33	1		01/04/21 15:33	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 15:33	127-18-4	
Toluene	**72.3**	ug/L	1.0	0.32	1		01/04/21 15:33	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 15:33	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/04/21 15:33	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/04/21 15:33	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 15:33	75-01-4	
Xylene (Total)	**140**	ug/L	3.0	1.4	1		01/04/21 15:33	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 15:33	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO61-PZM007 **Lab ID: 30398848012** Collected: 12/28/20 14:00 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 15:33	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 15:33	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 15:33	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/04/21 15:33	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%.	70-130		1		01/04/21 15:33	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%.	70-130		1		01/04/21 15:33	17060-07-0	
Toluene-d8 (S)	102	%.	70-130		1		01/04/21 15:33	2037-26-5	
Dibromofluoromethane (S)	100	%.	70-130		1		01/04/21 15:33	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO18-PZM006 **Lab ID: 30398848013** Collected: 12/28/20 15:00 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		01/04/21 20:31	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 20:31	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 20:31	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 20:31	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 20:31	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 20:31	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 20:31	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		01/04/21 20:31	96-12-8	L1
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 20:31	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 20:31	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 20:31	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 20:31	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 20:31	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		01/04/21 20:31	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		01/04/21 20:31	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		01/04/21 20:31	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		01/04/21 20:31	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		01/04/21 20:31	107-13-1	
Benzene	**510000**	ug/L	5000	1690	5000		01/04/21 21:20	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 20:31	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 20:31	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		01/04/21 20:31	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		01/04/21 20:31	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 20:31	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 20:31	56-23-5	
Chlorobenzene	**1.5J**	ug/L	5.0	1.3	5		01/04/21 20:31	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 20:31	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 20:31	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 20:31	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		01/04/21 20:31	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 20:31	74-95-3	
Ethylbenzene	**93.8**	ug/L	5.0	2.0	5		01/04/21 20:31	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		01/04/21 20:31	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 20:31	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 20:31	75-09-2	
Naphthalene	**427**	ug/L	10.0	4.1	5		01/04/21 20:31	91-20-3	
Styrene	**23.1**	ug/L	5.0	1.6	5		01/04/21 20:31	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 20:31	127-18-4	
Toluene	**18100**	ug/L	1000	317	1000		01/04/21 20:56	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		01/04/21 20:31	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		01/04/21 20:31	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 20:31	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 20:31	75-01-4	
Xylene (Total)	**2410**	ug/L	15.0	6.8	5		01/04/21 20:31	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 20:31	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30398848

Sample: CO18-PZM006 **Lab ID: 30398848013** Collected: 12/28/20 15:00 Received: 12/28/20 21:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 20:31	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 20:31	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 20:31	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		01/04/21 20:31	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%.	70-130		5		01/04/21 20:31	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%.	70-130		5		01/04/21 20:31	17060-07-0	
Toluene-d8 (S)	107	%.	70-130		5		01/04/21 20:31	2037-26-5	
Dibromofluoromethane (S)	78	%.	70-130		5		01/04/21 20:31	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30398848

QC Batch: 429482 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30398848001, 30398848002, 30398848003, 30398848004, 30398848005, 30398848006, 30398848007, 30398848008, 30398848009, 30398848010, 30398848011, 30398848012, 30398848013

METHOD BLANK: 2074700 Matrix: Water
Associated Lab Samples: 30398848001, 30398848002, 30398848003, 30398848004, 30398848005, 30398848006, 30398848007, 30398848008, 30398848009, 30398848010, 30398848011, 30398848012, 30398848013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	01/04/21 13:29	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	01/04/21 13:29	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	01/04/21 13:29	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	01/04/21 13:29	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	01/04/21 13:29	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	01/04/21 13:29	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	01/04/21 13:29	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	01/04/21 13:29	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	01/04/21 13:29	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	01/04/21 13:29	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	01/04/21 13:29	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	01/04/21 13:29	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	01/04/21 13:29	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	01/04/21 13:29	
2-Hexanone	ug/L	10.0 U	10.0	0.58	01/04/21 13:29	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	01/04/21 13:29	
Acetone	ug/L	10.0 U	10.0	5.6	01/04/21 13:29	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	01/04/21 13:29	
Benzene	ug/L	1.0 U	1.0	0.34	01/04/21 13:29	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	01/04/21 13:29	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	01/04/21 13:29	
Bromoform	ug/L	1.0 U	1.0	0.56	01/04/21 13:29	
Bromomethane	ug/L	1.0 U	1.0	0.73	01/04/21 13:29	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	01/04/21 13:29	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	01/04/21 13:29	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	01/04/21 13:29	
Chloroethane	ug/L	1.0 U	1.0	0.64	01/04/21 13:29	
Chloroform	ug/L	1.0 U	1.0	0.39	01/04/21 13:29	
Chloromethane	ug/L	1.0 U	1.0	0.40	01/04/21 13:29	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	01/04/21 13:29	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	01/04/21 13:29	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	01/04/21 13:29	
Dibromomethane	ug/L	1.0 U	1.0	0.34	01/04/21 13:29	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	01/04/21 13:29	
Iodomethane	ug/L	50.0 U	50.0	0.52	01/04/21 13:29	
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	01/04/21 13:29	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	01/04/21 13:29	
Naphthalene	ug/L	1.5J	2.0	0.82	01/04/21 13:29	
Styrene	ug/L	1.0 U	1.0	0.33	01/04/21 13:29	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30398848

METHOD BLANK: 2074700 Matrix: Water

Associated Lab Samples: 30398848001, 30398848002, 30398848003, 30398848004, 30398848005, 30398848006, 30398848007, 30398848008, 30398848009, 30398848010, 30398848011, 30398848012, 30398848013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	01/04/21 13:29	
Toluene	ug/L	1.0 U	1.0	0.32	01/04/21 13:29	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	01/04/21 13:29	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	01/04/21 13:29	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	01/04/21 13:29	
Trichloroethene	ug/L	1.0 U	1.0	0.29	01/04/21 13:29	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	01/04/21 13:29	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	01/04/21 13:29	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	01/04/21 13:29	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	01/04/21 13:29	
1,2-Dichloroethane-d4 (S)	%.	98	70-130		01/04/21 13:29	
4-Bromofluorobenzene (S)	%.	102	70-130		01/04/21 13:29	
Dibromofluoromethane (S)	%.	105	70-130		01/04/21 13:29	
Toluene-d8 (S)	%.	101	70-130		01/04/21 13:29	

LABORATORY CONTROL SAMPLE: 2074701

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.1	101	70-130	
1,1,1-Trichloroethane	ug/L	20	22.8	114	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.9	105	70-130	
1,1,2-Trichloroethane	ug/L	20	20.0	100	70-130	
1,1-Dichloroethane	ug/L	20	20.3	101	70-130	
1,1-Dichloroethene	ug/L	20	17.4	87	70-130	
1,2,3-Trichloropropane	ug/L	20	19.7	99	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	24.7	123	59-122	L1
1,2-Dibromoethane (EDB)	ug/L	20	19.9	100	70-130	
1,2-Dichlorobenzene	ug/L	20	20.9	105	70-130	
1,2-Dichloroethane	ug/L	20	19.5	98	70-130	
1,2-Dichloropropane	ug/L	20	19.6	98	70-130	
1,4-Dichlorobenzene	ug/L	20	19.6	98	70-130	
2-Butanone (MEK)	ug/L	20	23.7	119	70-130	
2-Hexanone	ug/L	20	21.3	107	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	19.8	99	70-130	
Acetone	ug/L	20	25.3	126	67-173	
Acrylonitrile	ug/L	20	22.9	114	56-147	
Benzene	ug/L	20	20.1	101	70-130	
Bromochloromethane	ug/L	20	20.1	101	70-130	
Bromodichloromethane	ug/L	20	21.1	105	70-130	
Bromoform	ug/L	20	21.2	106	63-119	
Bromomethane	ug/L	20	16.4	82	24-159	
Carbon disulfide	ug/L	20	21.5	108	57-132	
Carbon tetrachloride	ug/L	20	23.1	115	70-130	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30398848

LABORATORY CONTROL SAMPLE: 2074701

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	20	20.4	102	70-130	
Chloroethane	ug/L	20	22.0	110	62-145	
Chloroform	ug/L	20	19.0	95	70-130	
Chloromethane	ug/L	20	20.9	105	66-140	
cis-1,2-Dichloroethene	ug/L	20	18.3	92	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.2	101	70-130	
Dibromochloromethane	ug/L	20	21.0	105	70-130	
Dibromomethane	ug/L	20	19.2	96	70-130	
Ethylbenzene	ug/L	20	20.5	102	70-130	
Iodomethane	ug/L	20	14.9J	75	10-175	
Methyl-tert-butyl ether	ug/L	20	21.5	107	70-130	
Methylene Chloride	ug/L	20	19.1	96	70-130	
Naphthalene	ug/L	20	31.2	156	55-160	
Styrene	ug/L	20	21.0	105	70-130	
Tetrachloroethene	ug/L	20	21.7	108	70-130	
Toluene	ug/L	20	20.4	102	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.9	99	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.1	101	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	22.2	111	48-131	
Trichloroethene	ug/L	20	21.2	106	70-130	
Trichlorofluoromethane	ug/L	20	21.1	106	70-130	
Vinyl acetate	ug/L	20	20.1	101	33-128	
Vinyl chloride	ug/L	20	21.6	108	70-130	
Xylene (Total)	ug/L	60	62.1	103	70-130	
1,2-Dichloroethane-d4 (S)	%.			93	70-130	
4-Bromofluorobenzene (S)	%.			101	70-130	
Dibromofluoromethane (S)	%.			99	70-130	
Toluene-d8 (S)	%.			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2074702 2074703

Parameter	Units	30398848003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	20	20	15.1	14.6	76	73	59-117	3	30	
1,1,1-Trichloroethane	ug/L	1.0 U	20	20	18.3	18.4	91	92	55-146	1	30	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	20	20	15.9	15.6	80	78	55-118	2	30	
1,1,2-Trichloroethane	ug/L	1.0 U	20	20	16.4	15.7	82	79	61-122	4	30	
1,1-Dichloroethane	ug/L	1.0 U	20	20	16.0	16.3	80	82	59-130	2	30	
1,1-Dichloroethene	ug/L	1.0 U	20	20	14.7	15.4	73	77	52-119	5	30	
1,2,3-Trichloropropane	ug/L	1.0 U	20	20	16.3	15.4	81	77	59-117	6	30	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	20	20	12.1	14.4	61	72	32-112	17	30	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	20	20	15.6	14.8	78	74	61-116	5	30	
1,2-Dichlorobenzene	ug/L	1.0 U	20	20	15.7	16.2	79	81	58-126	3	30	
1,2-Dichloroethane	ug/L	1.0 U	20	20	15.6	14.9	78	75	49-135	5	30	

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30398848

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2074702 2074703

Parameter	Units	30398848003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloropropane	ug/L	1.0 U	20	20	15.8	15.6	79	78	67-121	1	30	
1,4-Dichlorobenzene	ug/L	1.0 U	20	20	15.2	15.7	76	79	60-121	3	30	
2-Butanone (MEK)	ug/L	10.0 U	20	20	15.7	15.8	79	79	59-138	0	30	
2-Hexanone	ug/L	10.0 U	20	20	15.9	16.3	79	82	66-123	3	30	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	20	20	15.6	15.6	78	78	70-130	0	30	
Acetone	ug/L	9.3J	20	20	20.7	21.1	57	59	57-140	2	30	
Acrylonitrile	ug/L	4.0 U	20	20	17.0	14.6	85	73	47-134	15	30	
Benzene	ug/L	1.0 U	20	20	19.8	17.5	99	88	50-149	12	30	
Bromochloromethane	ug/L	1.0 U	20	20	15.9	14.6	79	73	63-120	8	30	
Bromodichloromethane	ug/L	1.0 U	20	20	16.6	16.2	83	81	46-131	2	30	
Bromoform	ug/L	1.0 U	20	20	13.7	13.5	69	68	30-119	2	30	
Bromomethane	ug/L	1.0 U	20	20	21.9	21.8	109	109	10-163	0	30	
Carbon disulfide	ug/L	1.0 U	20	20	17.1	18.1	86	91	41-116	6	30	
Carbon tetrachloride	ug/L	1.0 U	20	20	17.1	17.3	86	87	55-119	1	30	
Chlorobenzene	ug/L	1.0 U	20	20	16.5	16.4	82	82	66-124	1	30	
Chloroethane	ug/L	1.0 U	20	20	19.4	23.8	97	119	45-162	20	30	
Chloroform	ug/L	1.0 U	20	20	16.2	15.6	81	78	56-123	4	30	
Chloromethane	ug/L	1.0 U	20	20	17.3	19.1	86	96	49-150	10	30	
cis-1,2-Dichloroethene	ug/L	1.0 U	20	20	14.8	14.4	74	72	63-116	3	30	
cis-1,3-Dichloropropene	ug/L	1.0 U	20	20	15.2	15.1	76	76	46-119	1	30	
Dibromochloromethane	ug/L	1.0 U	20	20	15.2	14.9	76	74	42-120	3	30	
Dibromomethane	ug/L	1.0 U	20	20	14.9	13.9	74	69	55-117	7	30	
Ethylbenzene	ug/L	1.0 U	20	20	16.2	16.4	81	82	63-135	1	30	
Iodomethane	ug/L	50.0 U	20	20	10.8J	11.5J	54	57	10-175		30	
Methyl-tert-butyl ether	ug/L	1.0 U	20	20	15.8	17.0	79	85	53-123	7	30	
Methylene Chloride	ug/L	1.0 U	20	20	13.1	13.3	65	66	57-132	2	30	
Naphthalene	ug/L	2.0 U	20	20	17.0	20.3	82	99	30-157	18	30	
Styrene	ug/L	0.34J	20	20	16.4	16.4	80	80	58-130	0	30	
Tetrachloroethene	ug/L	1.0 U	20	20	16.5	16.8	83	84	61-132	2	30	
Toluene	ug/L	1.0 U	20	20	16.8	16.5	83	81	59-139	2	30	
trans-1,2-Dichloroethene	ug/L	1.0 U	20	20	16.0	15.9	80	79	60-124	1	30	
trans-1,3-Dichloropropene	ug/L	1.0 U	20	20	15.5	14.9	78	75	48-121	4	30	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	20	13.4	14.3	67	71	10-111	7	30	
Trichloroethene	ug/L	1.0 U	20	20	16.9	16.8	84	84	63-128	0	30	
Trichlorofluoromethane	ug/L	1.0 U	20	20	18.3	20.5	91	103	70-152	12	30	
Vinyl acetate	ug/L	1.0 U	20	20	14.5	15.2	72	76	23-102	5	30	
Vinyl chloride	ug/L	1.0 U	20	20	18.1	19.9	91	100	67-141	10	30	
Xylene (Total)	ug/L	15.4	60	60	65.2	65.0	83	83	63-135	0	30	
1,2-Dichloroethane-d4 (S)	%.						95	96	70-130			
4-Bromofluorobenzene (S)	%.						100	99	70-130			
Dibromofluoromethane (S)	%.						101	97	70-130			
Toluene-d8 (S)	%.						100	99	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30398848

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 30398848002

[1]	Residual Chlorine was present in the VOA vial used for analysis.

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30398848

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30398848001	**Trip Blank**	EPA 8260B	429482		
30398848002	**CO72-PZM005**	EPA 8260B	429482		
30398848003	**CO71-PZM006**	EPA 8260B	429482		
30398848004	**CO70-PZM005**	EPA 8260B	429482		
30398848005	**CO69-PZM005**	EPA 8260B	429482		
30398848006	**CO68-PZM005**	EPA 8260B	429482		
30398848007	**CO67-PZM006**	EPA 8260B	429482		
30398848008	**CO66-PZM005**	EPA 8260B	429482		
30398848009	**CO65-PZM005**	EPA 8260B	429482		
30398848010	**CO64-PZM006**	EPA 8260B	429482		
30398848011	**CO63-PZM007**	EPA 8260B	429482		
30398848012	**CO61-PZM007**	EPA 8260B	429482		
30398848013	**CO18-PZM006**	EPA 8260B	429482		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be complet

WO# : 30398848

30398848

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Tradepoint Atlantic	Report To:	Matt Newman	Attention:	Matt Newman
Address:	1600 Sparrows Point Blvd	Copy To:	Stew Kabis	Company Name:	Tradepoint Atlantic
	Sparrows Point, MD 21219			Address:	1600 Sparrows Point Blvd Sparrows Point, Md 21219
Email To:		PO Number:		Pace Quote Reference:	
Phone:	Fax:	Project Name:	COA IM GW Sampling	Pace Project Manager:	Samantha Bayura
Requested Due Date/TAT:	5 day	Project Number:		Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MD

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	Sample ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Other	DI Water	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: VOC + Naph by 8260	Pace Project No./ Lab I.D.
1	Trip Blank	WT	G			12-28-20			2				2						X	001
2	C072-PZM005	WT	G				845		3				3						X	002
3	C071-PZM006	WT	G				920		3				3						X	003
4	C070-PZM005	WT	G				950		3				3						X	004
5	C069-PZM005	WT	G				1030		3				3						X	005
6	C068-PZM005	WT	G				1055		3				3						X	006
7	C067-PZM006	WT	G				1110		3				3						X	007
8	C066-PZM005	WT	G				1130		3				3						X	008
9	C065-PZM005	WT	G				1200		3				3						X	009
10	C064-PZM006	WT	G				1230		3				3						X	010
11	C063-PZM007	WT	G				1250		3				3						X	011
12	C061-PZM007	WT	G				1400		3				3						X	012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Sample Conditions		
Data Package Required? (Y/N)		12-28-20	1500		12-28-20	1500			
Data Validation Required? (Y/N)		12-28-20	1825		12-28-20	1830	Y	N	Y
If data package is required, attach data package checklist.		12-28-20	2130		12-29-20	7:30	Y	N	Y

SAMPLER NAME AND SIGNATURE			Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Lisa Perrin				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 12-28-20			

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.06, 2-Feb-2007

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

#_30398848

Page: 2 of 2

Section A Required Client Information:

Company:	Tradepoint Atlantic
Address:	1600 Sparrows Point Blvd
	Sparrows Point, MD 21219
Email To:	
Phone:	Fax:
Requested Due Date/TAT:	5 day

Section B Required Project Information:

Report To:	Matt Newman
Copy To:	Stew Kabis
PO Number:	
Project Name:	COA IM GW Sampling
Project Number:	

Section C Invoice Information:

Attention:	Matt Newman
Company Name:	Tradepoint Atlantic
Address:	1600 Sparrows Point Blvd Sparrows Point, Md 21219
Pace Quote Reference:	
Pace Project Manager:	Samantha Bayura
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MD

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Other	DI Water	Analysis Test (Y/N)	VOC + Napth by 8260	Pace Project No./ Lab I.D.
1	~~Trip Blank~~	WT	G						2				2						X	
2	C018-PZM006	WT	G			12-28-20	1500		3				3						X	
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Sample Conditions: Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Data Package Required? (Y/N):	[signature]	12/28/20	1500	[signature] / Pace	12/28/20	1500			
Data Validation Required? (Y/N):	[signature] / Pace	12/28/20	1825	RDS Pace	12-28-20	1830	Y	N	Y
If data package is required, attach data package checklist.	RDS Pace	12-28-20	2130	[signature]	12-28-20	2130	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lisa Perrin

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 12/28/20

F-ALL-Q-020rev.06, 2-Feb-2007

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Tradepoint Atl Project # #_30398848*

Label ml(
LIMS Login ml(

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used 11 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 5.3 °C Correction Factor: -0.3 °C Final Temp: 5.0 °C

Temp should be above freezing to 6°C

pH paper Lot# N/A Date and Initials of person examining contents: 12/28/2020

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used:	✓			
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: (VOA) coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix			✓	16.
All containers meet method preservation requirements.	✓			Initial when completed SW Date/time of preservation
				Lot # of added preservative
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:	✓			18.
Trip Blank Custody Seals Present	✓			
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed: SW Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

January 07, 2021

Mr. Matthew Newman
Tradepoint Atlantic
1600 Sparrow's Point Boulevard
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30399019

Dear Mr. Newman:

Enclosed are the analytical results for sample(s) received by the laboratory on December 29, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

cc: Ms. Penny Gardner, Environmental Data Quality, Inc.
J.Price, ARM Group Inc.
Mr. Stewart Kabis, ARM Group Inc.
Mr. Eric S. Magdar, ARM Group Inc.
Ms. Shawne M. Rodgers, Environmental Data Quality, Inc.

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Greensburg, PA 15601
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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30399019

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30399019

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30399019001	**Trip Blank**	Water	12/29/20 00:01	12/29/20 22:30
30399019002	**CO36-PZM008**	Water	12/29/20 10:00	12/29/20 22:30
30399019003	**CO36-PZM043**	Water	12/29/20 10:30	12/29/20 22:30
30399019004	**CO27-PZM046**	Water	12/29/20 11:20	12/29/20 22:30
30399019005	**CO27-PZM012**	Water	12/29/20 12:00	12/29/20 22:30
30399019006	**CO41-PZM001**	Water	12/29/20 13:00	12/29/20 22:30
30399019007	**CO41-PZM036**	Water	12/29/20 13:55	12/29/20 22:30
30399019008	**CO37-PZM038**	Water	12/29/20 14:55	12/29/20 22:30
30399019009	**CO40-PZM008**	Water	12/29/20 15:30	12/29/20 22:30

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30399019

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30399019001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30399019002	**CO36-PZM008**	EPA 8260B	LEL	53	PASI-PA
30399019003	**CO36-PZM043**	EPA 8260B	LEL	53	PASI-PA
30399019004	**CO27-PZM046**	EPA 8260B	LEL	53	PASI-PA
30399019005	**CO27-PZM012**	EPA 8260B	LEL	53	PASI-PA
30399019006	**CO41-PZM001**	EPA 8260B	LEL	53	PASI-PA
30399019007	**CO41-PZM036**	EPA 8260B	LEL	53	PASI-PA
30399019008	**CO37-PZM038**	EPA 8260B	LEL	53	PASI-PA
30399019009	**CO40-PZM008**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399019

Sample: Trip Blank **Lab ID: 30399019001** Collected: 12/29/20 00:01 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/04/21 14:06	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 14:06	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/04/21 14:06	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 14:06	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		01/04/21 14:06	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/04/21 14:06	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/04/21 14:06	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/04/21 14:06	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 14:06	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 14:06	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 14:06	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 14:06	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 14:06	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/04/21 14:06	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/04/21 14:06	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/04/21 14:06	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		01/04/21 14:06	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/04/21 14:06	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		01/04/21 14:06	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 14:06	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/04/21 14:06	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/04/21 14:06	75-25-2	1c
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		01/04/21 14:06	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 14:06	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 14:06	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		01/04/21 14:06	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 14:06	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 14:06	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/04/21 14:06	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/04/21 14:06	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/04/21 14:06	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		01/04/21 14:06	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		01/04/21 14:06	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/04/21 14:06	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 14:06	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		01/04/21 14:06	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 14:06	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 14:06	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 14:06	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 14:06	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/04/21 14:06	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/04/21 14:06	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 14:06	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		01/04/21 14:06	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 14:06	156-59-2	

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399019

Sample: Trip Blank **Lab ID: 30399019001** Collected: 12/29/20 00:01 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 14:06	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 14:06	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 14:06	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/04/21 14:06	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%.	70-130		1		01/04/21 14:06	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%.	70-130		1		01/04/21 14:06	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		1		01/04/21 14:06	2037-26-5	
Dibromofluoromethane (S)	105	%.	70-130		1		01/04/21 14:06	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399019

Sample: CO36-PZM008 **Lab ID: 30399019002** Collected: 12/29/20 10:00 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		01/04/21 15:45	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 15:45	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 15:45	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 15:45	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 15:45	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 15:45	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 15:45	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		01/04/21 15:45	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 15:45	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 15:45	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 15:45	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 15:45	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 15:45	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		01/04/21 15:45	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		01/04/21 15:45	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		01/04/21 15:45	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		01/04/21 15:45	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		01/04/21 15:45	107-13-1	
Benzene	**11900**	ug/L	200	67.6	200		01/04/21 16:11	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 15:45	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 15:45	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		01/04/21 15:45	75-25-2	1c
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		01/04/21 15:45	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 15:45	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 15:45	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		01/04/21 15:45	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 15:45	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 15:45	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 15:45	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		01/04/21 15:45	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 15:45	74-95-3	
Ethylbenzene	**45.4**	ug/L	5.0	2.0	5		01/04/21 15:45	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		01/04/21 15:45	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 15:45	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 15:45	75-09-2	
Naphthalene	**583**	ug/L	10.0	4.1	5		01/04/21 15:45	91-20-3	
Styrene	**14.3**	ug/L	5.0	1.6	5		01/04/21 15:45	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 15:45	127-18-4	
Toluene	**2750**	ug/L	200	63.4	200		01/04/21 16:11	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		01/04/21 15:45	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		01/04/21 15:45	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 15:45	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 15:45	75-01-4	
Xylene (Total)	**1090**	ug/L	15.0	6.8	5		01/04/21 15:45	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 15:45	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399019

Sample: CO36-PZM008 **Lab ID: 30399019002** Collected: 12/29/20 10:00 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 15:45	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 15:45	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 15:45	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		01/04/21 15:45	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%.	70-130		5		01/04/21 15:45	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%.	70-130		5		01/04/21 15:45	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		5		01/04/21 15:45	2037-26-5	
Dibromofluoromethane (S)	92	%.	70-130		5		01/04/21 15:45	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399019

Sample: CO36-PZM043 **Lab ID: 30399019003** Collected: 12/29/20 10:30 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		01/04/21 16:35	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 16:35	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 16:35	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 16:35	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 16:35	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 16:35	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 16:35	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		01/04/21 16:35	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 16:35	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 16:35	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 16:35	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 16:35	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 16:35	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		01/04/21 16:35	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		01/04/21 16:35	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		01/04/21 16:35	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		01/04/21 16:35	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		01/04/21 16:35	107-13-1	
Benzene	**22000**	ug/L	200	67.6	200		01/04/21 17:00	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 16:35	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 16:35	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		01/04/21 16:35	75-25-2	1c
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		01/04/21 16:35	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 16:35	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 16:35	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		01/04/21 16:35	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 16:35	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 16:35	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 16:35	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		01/04/21 16:35	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 16:35	74-95-3	
Ethylbenzene	**45.8**	ug/L	5.0	2.0	5		01/04/21 16:35	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		01/04/21 16:35	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 16:35	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 16:35	75-09-2	
Naphthalene	**527**	ug/L	10.0	4.1	5		01/04/21 16:35	91-20-3	
Styrene	**9.8**	ug/L	5.0	1.6	5		01/04/21 16:35	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 16:35	127-18-4	
Toluene	**3110**	ug/L	200	63.4	200		01/04/21 17:00	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		01/04/21 16:35	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		01/04/21 16:35	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 16:35	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 16:35	75-01-4	
Xylene (Total)	**730**	ug/L	15.0	6.8	5		01/04/21 16:35	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 16:35	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399019

Sample: CO36-PZM043 **Lab ID: 30399019003** Collected: 12/29/20 10:30 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 16:35	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 16:35	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 16:35	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		01/04/21 16:35	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%.	70-130		5		01/04/21 16:35	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%.	70-130		5		01/04/21 16:35	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		5		01/04/21 16:35	2037-26-5	
Dibromofluoromethane (S)	92	%.	70-130		5		01/04/21 16:35	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399019

Sample: CO27-PZM046 **Lab ID: 30399019004** Collected: 12/29/20 11:20 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		01/04/21 19:04	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 19:04	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 19:04	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 19:04	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 19:04	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 19:04	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 19:04	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		01/04/21 19:04	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 19:04	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 19:04	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 19:04	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 19:04	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 19:04	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		01/04/21 19:04	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		01/04/21 19:04	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		01/04/21 19:04	108-10-1	
Acetone	**74.4**	ug/L	50.0	28.0	5		01/04/21 19:04	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		01/04/21 19:04	107-13-1	
Benzene	**18400**	ug/L	2000	676	2000		01/04/21 19:29	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 19:04	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 19:04	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		01/04/21 19:04	75-25-2	1c
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		01/04/21 19:04	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 19:04	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 19:04	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		01/04/21 19:04	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 19:04	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 19:04	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 19:04	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		01/04/21 19:04	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 19:04	74-95-3	
Ethylbenzene	**81.4**	ug/L	5.0	2.0	5		01/04/21 19:04	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		01/04/21 19:04	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 19:04	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 19:04	75-09-2	
Naphthalene	**327**	ug/L	10.0	4.1	5		01/04/21 19:04	91-20-3	
Styrene	**41.7**	ug/L	5.0	1.6	5		01/04/21 19:04	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 19:04	127-18-4	
Toluene	**5120**	ug/L	2000	634	2000		01/04/21 19:29	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		01/04/21 19:04	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		01/04/21 19:04	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 19:04	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 19:04	75-01-4	
Xylene (Total)	**843**	ug/L	15.0	6.8	5		01/04/21 19:04	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 19:04	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399019

Sample: CO27-PZM046 **Lab ID: 30399019004** Collected: 12/29/20 11:20 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 19:04	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 19:04	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 19:04	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		01/04/21 19:04	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%.	70-130		5		01/04/21 19:04	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%.	70-130		5		01/04/21 19:04	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		5		01/04/21 19:04	2037-26-5	
Dibromofluoromethane (S)	91	%.	70-130		5		01/04/21 19:04	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399019

Sample: CO27-PZM012 **Lab ID: 30399019005** Collected: 12/29/20 12:00 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		01/04/21 19:54	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 19:54	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 19:54	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 19:54	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 19:54	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 19:54	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 19:54	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		01/04/21 19:54	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 19:54	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 19:54	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 19:54	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 19:54	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 19:54	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		01/04/21 19:54	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		01/04/21 19:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		01/04/21 19:54	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		01/04/21 19:54	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		01/04/21 19:54	107-13-1	
Benzene	**7750**	ug/L	2000	676	2000		01/04/21 20:19	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 19:54	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 19:54	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		01/04/21 19:54	75-25-2	1c
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		01/04/21 19:54	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 19:54	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 19:54	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		01/04/21 19:54	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 19:54	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 19:54	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 19:54	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		01/04/21 19:54	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 19:54	74-95-3	
Ethylbenzene	**47.4**	ug/L	5.0	2.0	5		01/04/21 19:54	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		01/04/21 19:54	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 19:54	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 19:54	75-09-2	
Naphthalene	**256**	ug/L	10.0	4.1	5		01/04/21 19:54	91-20-3	
Styrene	**38.3**	ug/L	5.0	1.6	5		01/04/21 19:54	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 19:54	127-18-4	
Toluene	**1070**	ug/L	5.0	1.6	5		01/04/21 19:54	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		01/04/21 19:54	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		01/04/21 19:54	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 19:54	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 19:54	75-01-4	
Xylene (Total)	**369**	ug/L	15.0	6.8	5		01/04/21 19:54	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 19:54	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399019

Sample: CO27-PZM012 **Lab ID: 30399019005** Collected: 12/29/20 12:00 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 19:54	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 19:54	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 19:54	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		01/04/21 19:54	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	110	%.	70-130		5		01/04/21 19:54	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%.	70-130		5		01/04/21 19:54	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		5		01/04/21 19:54	2037-26-5	
Dibromofluoromethane (S)	94	%.	70-130		5		01/04/21 19:54	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399019

Sample: CO41-PZM001 **Lab ID: 30399019006** Collected: 12/29/20 13:00 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/04/21 14:31	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 14:31	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/04/21 14:31	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 14:31	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		01/04/21 14:31	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/04/21 14:31	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/04/21 14:31	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/04/21 14:31	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 14:31	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 14:31	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 14:31	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 14:31	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 14:31	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/04/21 14:31	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/04/21 14:31	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/04/21 14:31	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		01/04/21 14:31	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/04/21 14:31	107-13-1	
Benzene	**5.8**	ug/L	1.0	0.34	1		01/04/21 14:31	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 14:31	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/04/21 14:31	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/04/21 14:31	75-25-2	1c
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		01/04/21 14:31	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 14:31	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 14:31	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		01/04/21 14:31	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 14:31	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 14:31	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/04/21 14:31	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/04/21 14:31	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/04/21 14:31	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		01/04/21 14:31	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		01/04/21 14:31	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/04/21 14:31	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 14:31	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		01/04/21 14:31	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 14:31	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 14:31	127-18-4	
Toluene	**6.7**	ug/L	1.0	0.32	1		01/04/21 14:31	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 14:31	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/04/21 14:31	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/04/21 14:31	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 14:31	75-01-4	
Xylene (Total)	**2.6J**	ug/L	3.0	1.4	1		01/04/21 14:31	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 14:31	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399019

Sample: CO41-PZM001 **Lab ID: 30399019006** Collected: 12/29/20 13:00 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 14:31	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 14:31	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 14:31	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/04/21 14:31	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%.	70-130		1		01/04/21 14:31	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		1		01/04/21 14:31	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		1		01/04/21 14:31	2037-26-5	
Dibromofluoromethane (S)	104	%.	70-130		1		01/04/21 14:31	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399019

Sample: CO41-PZM036 **Lab ID: 30399019007** Collected: 12/29/20 13:55 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		01/04/21 18:14	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 18:14	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 18:14	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 18:14	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 18:14	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 18:14	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 18:14	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		01/04/21 18:14	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 18:14	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 18:14	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 18:14	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 18:14	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 18:14	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		01/04/21 18:14	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		01/04/21 18:14	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		01/04/21 18:14	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		01/04/21 18:14	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		01/04/21 18:14	107-13-1	
Benzene	**251000**	ug/L	1000	338	1000		01/04/21 18:39	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 18:14	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 18:14	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		01/04/21 18:14	75-25-2	1c
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		01/04/21 18:14	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 18:14	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 18:14	56-23-5	
Chlorobenzene	**3.2J**	ug/L	5.0	1.3	5		01/04/21 18:14	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 18:14	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 18:14	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 18:14	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		01/04/21 18:14	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 18:14	74-95-3	
Ethylbenzene	**684**	ug/L	5.0	2.0	5		01/04/21 18:14	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		01/04/21 18:14	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 18:14	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 18:14	75-09-2	
Naphthalene	**357**	ug/L	10.0	4.1	5		01/04/21 18:14	91-20-3	
Styrene	**422**	ug/L	5.0	1.6	5		01/04/21 18:14	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 18:14	127-18-4	
Toluene	**76200**	ug/L	1000	317	1000		01/04/21 18:39	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		01/04/21 18:14	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		01/04/21 18:14	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 18:14	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 18:14	75-01-4	
Xylene (Total)	**14500**	ug/L	3000	1350	1000		01/04/21 18:39	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 18:14	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399019

Sample: CO41-PZM036 **Lab ID: 30399019007** Collected: 12/29/20 13:55 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 18:14	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 18:14	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 18:14	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		01/04/21 18:14	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%.	70-130		5		01/04/21 18:14	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%.	70-130		5		01/04/21 18:14	17060-07-0	
Toluene-d8 (S)	102	%.	70-130		5		01/04/21 18:14	2037-26-5	
Dibromofluoromethane (S)	82	%.	70-130		5		01/04/21 18:14	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399019

Sample: CO37-PZM038 **Lab ID: 30399019008** Collected: 12/29/20 14:55 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		01/04/21 17:25	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 17:25	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 17:25	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 17:25	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 17:25	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 17:25	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 17:25	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		01/04/21 17:25	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 17:25	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 17:25	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 17:25	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 17:25	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 17:25	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		01/04/21 17:25	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		01/04/21 17:25	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		01/04/21 17:25	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		01/04/21 17:25	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		01/04/21 17:25	107-13-1	
Benzene	**16900**	ug/L	200	67.6	200		01/04/21 17:50	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		01/04/21 17:25	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 17:25	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		01/04/21 17:25	75-25-2	1c
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		01/04/21 17:25	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 17:25	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		01/04/21 17:25	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		01/04/21 17:25	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 17:25	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 17:25	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 17:25	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		01/04/21 17:25	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		01/04/21 17:25	74-95-3	
Ethylbenzene	**262**	ug/L	5.0	2.0	5		01/04/21 17:25	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		01/04/21 17:25	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		01/04/21 17:25	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		01/04/21 17:25	75-09-2	
Naphthalene	**1200**	ug/L	10.0	4.1	5		01/04/21 17:25	91-20-3	
Styrene	**431**	ug/L	5.0	1.6	5		01/04/21 17:25	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		01/04/21 17:25	127-18-4	
Toluene	**8370**	ug/L	200	63.4	200		01/04/21 17:50	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		01/04/21 17:25	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		01/04/21 17:25	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		01/04/21 17:25	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 17:25	75-01-4	
Xylene (Total)	**2160**	ug/L	15.0	6.8	5		01/04/21 17:25	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		01/04/21 17:25	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399019

Sample: CO37-PZM038 **Lab ID: 30399019008** Collected: 12/29/20 14:55 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 17:25	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		01/04/21 17:25	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		01/04/21 17:25	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		01/04/21 17:25	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%.	70-130		5		01/04/21 17:25	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%.	70-130		5		01/04/21 17:25	17060-07-0	
Toluene-d8 (S)	103	%.	70-130		5		01/04/21 17:25	2037-26-5	
Dibromofluoromethane (S)	94	%.	70-130		5		01/04/21 17:25	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399019

Sample: CO40-PZM008 **Lab ID: 30399019009** Collected: 12/29/20 15:30 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/04/21 14:56	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 14:56	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/04/21 14:56	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 14:56	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		01/04/21 14:56	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/04/21 14:56	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/04/21 14:56	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/04/21 14:56	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 14:56	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 14:56	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/04/21 14:56	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 14:56	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 14:56	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/04/21 14:56	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/04/21 14:56	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/04/21 14:56	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		01/04/21 14:56	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/04/21 14:56	107-13-1	
Benzene	**1450**	ug/L	50.0	16.9	50		01/04/21 15:21	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/04/21 14:56	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/04/21 14:56	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/04/21 14:56	75-25-2	1c
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		01/04/21 14:56	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 14:56	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/04/21 14:56	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		01/04/21 14:56	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 14:56	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 14:56	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/04/21 14:56	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/04/21 14:56	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/04/21 14:56	74-95-3	
Ethylbenzene	**4.0**	ug/L	1.0	0.40	1		01/04/21 14:56	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		01/04/21 14:56	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/04/21 14:56	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/04/21 14:56	75-09-2	
Naphthalene	**303**	ug/L	2.0	0.82	1		01/04/21 14:56	91-20-3	
Styrene	**3.2**	ug/L	1.0	0.33	1		01/04/21 14:56	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/04/21 14:56	127-18-4	
Toluene	**78.0**	ug/L	1.0	0.32	1		01/04/21 14:56	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 14:56	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/04/21 14:56	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/04/21 14:56	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 14:56	75-01-4	
Xylene (Total)	**64.4**	ug/L	3.0	1.4	1		01/04/21 14:56	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/04/21 14:56	156-59-2	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399019

Sample: CO40-PZM008 **Lab ID: 30399019009** Collected: 12/29/20 15:30 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/04/21 14:56	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/04/21 14:56	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/04/21 14:56	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/04/21 14:56	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%.	70-130		1		01/04/21 14:56	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%.	70-130		1		01/04/21 14:56	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		1		01/04/21 14:56	2037-26-5	
Dibromofluoromethane (S)	95	%.	70-130		1		01/04/21 14:56	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399019

QC Batch: 429485 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30399019001, 30399019002, 30399019003, 30399019004, 30399019005, 30399019006, 30399019007, 30399019008, 30399019009

METHOD BLANK: 2074711 Matrix: Water
Associated Lab Samples: 30399019001, 30399019002, 30399019003, 30399019004, 30399019005, 30399019006, 30399019007, 30399019008, 30399019009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	01/04/21 13:42	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	01/04/21 13:42	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	01/04/21 13:42	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	01/04/21 13:42	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	01/04/21 13:42	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	01/04/21 13:42	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	01/04/21 13:42	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	01/04/21 13:42	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	01/04/21 13:42	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	01/04/21 13:42	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	01/04/21 13:42	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	01/04/21 13:42	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	01/04/21 13:42	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	01/04/21 13:42	
2-Hexanone	ug/L	10.0 U	10.0	0.58	01/04/21 13:42	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	01/04/21 13:42	
Acetone	ug/L	10.0 U	10.0	5.6	01/04/21 13:42	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	01/04/21 13:42	
Benzene	ug/L	1.0 U	1.0	0.34	01/04/21 13:42	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	01/04/21 13:42	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	01/04/21 13:42	
Bromoform	ug/L	1.0 U	1.0	0.56	01/04/21 13:42	1c
Bromomethane	ug/L	1.0 U	1.0	0.73	01/04/21 13:42	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	01/04/21 13:42	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	01/04/21 13:42	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	01/04/21 13:42	
Chloroethane	ug/L	1.0 U	1.0	0.64	01/04/21 13:42	
Chloroform	ug/L	1.0 U	1.0	0.39	01/04/21 13:42	
Chloromethane	ug/L	1.0 U	1.0	0.40	01/04/21 13:42	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	01/04/21 13:42	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	01/04/21 13:42	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	01/04/21 13:42	
Dibromomethane	ug/L	1.0 U	1.0	0.34	01/04/21 13:42	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	01/04/21 13:42	
Iodomethane	ug/L	50.0 U	50.0	0.52	01/04/21 13:42	CL
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	01/04/21 13:42	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	01/04/21 13:42	
Naphthalene	ug/L	1.7J	2.0	0.82	01/04/21 13:42	
Styrene	ug/L	1.0 U	1.0	0.33	01/04/21 13:42	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399019

METHOD BLANK: 2074711 Matrix: Water

Associated Lab Samples: 30399019001, 30399019002, 30399019003, 30399019004, 30399019005, 30399019006, 30399019007, 30399019008, 30399019009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	01/04/21 13:42	
Toluene	ug/L	1.0 U	1.0	0.32	01/04/21 13:42	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	01/04/21 13:42	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	01/04/21 13:42	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	01/04/21 13:42	
Trichloroethene	ug/L	1.0 U	1.0	0.29	01/04/21 13:42	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	01/04/21 13:42	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	01/04/21 13:42	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	01/04/21 13:42	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	01/04/21 13:42	
1,2-Dichloroethane-d4 (S)	%.	100	70-130		01/04/21 13:42	
4-Bromofluorobenzene (S)	%.	108	70-130		01/04/21 13:42	
Dibromofluoromethane (S)	%.	105	70-130		01/04/21 13:42	
Toluene-d8 (S)	%.	100	70-130		01/04/21 13:42	

LABORATORY CONTROL SAMPLE: 2074712

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.1	105	70-130	
1,1,1-Trichloroethane	ug/L	20	23.4	117	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.5	112	70-130	
1,1,2-Trichloroethane	ug/L	20	21.0	105	70-130	
1,1-Dichloroethane	ug/L	20	20.1	101	70-130	
1,1-Dichloroethene	ug/L	20	18.5	92	70-130	
1,2,3-Trichloropropane	ug/L	20	21.8	109	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	24.3	122	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	20.7	104	70-130	
1,2-Dichlorobenzene	ug/L	20	21.8	109	70-130	
1,2-Dichloroethane	ug/L	20	19.9	100	70-130	
1,2-Dichloropropane	ug/L	20	21.1	106	70-130	
1,4-Dichlorobenzene	ug/L	20	21.6	108	70-130	
2-Butanone (MEK)	ug/L	20	24.4	122	70-130	
2-Hexanone	ug/L	20	21.7	109	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	20.9	104	70-130	
Acetone	ug/L	20	24.4	122	67-173	
Acrylonitrile	ug/L	20	18.4	92	56-147	
Benzene	ug/L	20	21.5	107	70-130	
Bromochloromethane	ug/L	20	21.5	107	70-130	
Bromodichloromethane	ug/L	20	22.3	111	70-130	
Bromoform	ug/L	20	21.0	105	63-119	1c
Bromomethane	ug/L	20	23.9	119	24-159	
Carbon disulfide	ug/L	20	21.5	107	57-132	
Carbon tetrachloride	ug/L	20	22.9	114	70-130	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399019

LABORATORY CONTROL SAMPLE: 2074712

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	20	21.2	106	70-130	
Chloroethane	ug/L	20	21.5	107	62-145	
Chloroform	ug/L	20	20.6	103	70-130	
Chloromethane	ug/L	20	20.8	104	66-140	
cis-1,2-Dichloroethene	ug/L	20	20.4	102	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.5	107	70-130	
Dibromochloromethane	ug/L	20	22.3	111	70-130	
Dibromomethane	ug/L	20	21.0	105	70-130	
Ethylbenzene	ug/L	20	21.7	108	70-130	
Iodomethane	ug/L	20	13.2J	66	10-175	CL
Methyl-tert-butyl ether	ug/L	20	21.6	108	70-130	
Methylene Chloride	ug/L	20	18.4	92	70-130	
Naphthalene	ug/L	20	29.8	149	55-160	
Styrene	ug/L	20	22.5	112	70-130	
Tetrachloroethene	ug/L	20	22.7	114	70-130	
Toluene	ug/L	20	21.1	106	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.4	107	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.6	108	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	22.2	111	48-131	
Trichloroethene	ug/L	20	21.6	108	70-130	
Trichlorofluoromethane	ug/L	20	22.4	112	70-130	
Vinyl acetate	ug/L	20	22.7	114	33-128	
Vinyl chloride	ug/L	20	22.7	113	70-130	
Xylene (Total)	ug/L	60	64.6	108	70-130	
1,2-Dichloroethane-d4 (S)	%.			103	70-130	
4-Bromofluorobenzene (S)	%.			102	70-130	
Dibromofluoromethane (S)	%.			101	70-130	
Toluene-d8 (S)	%.			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2074713 2074714

Parameter	Units	30399019006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	20	20	18.3	16.5	91	82	59-117	10	30	
1,1,1-Trichloroethane	ug/L	1.0 U	20	20	20.8	17.9	104	90	55-146	15	30	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	20	20	18.1	17.1	91	85	55-118	6	30	
1,1,2-Trichloroethane	ug/L	1.0 U	20	20	18.3	16.5	91	82	61-122	10	30	
1,1-Dichloroethane	ug/L	1.0 U	20	20	18.8	16.4	94	82	59-130	14	30	
1,1-Dichloroethene	ug/L	1.0 U	20	20	17.5	14.3	88	71	52-119	20	30	
1,2,3-Trichloropropane	ug/L	1.0 U	20	20	17.4	16.2	87	81	59-117	7	30	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	20	20	14.4	15.0	72	75	32-112	4	30	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	20	20	17.5	16.4	88	82	61-116	7	30	
1,2-Dichlorobenzene	ug/L	1.0 U	20	20	18.5	17.0	93	85	58-126	9	30	
1,2-Dichloroethane	ug/L	1.0 U	20	20	17.7	16.0	88	80	49-135	10	30	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399019

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2074713 2074714

Parameter	Units	30399019006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloropropane	ug/L	1.0 U	20	20	18.7	16.5	94	83	67-121	13	30	
1,4-Dichlorobenzene	ug/L	1.0 U	20	20	18.6	16.8	93	84	60-121	11	30	
2-Butanone (MEK)	ug/L	10.0 U	20	20	16.9	15.1	84	76	59-138	11	30	
2-Hexanone	ug/L	10.0 U	20	20	16.3	14.7	82	73	66-123	11	30	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	20	20	17.0	14.5	85	73	70-130	16	30	
Acetone	ug/L	10.0 U	20	20	14.6	13.9	73	69	57-140	5	30	
Acrylonitrile	ug/L	4.0 U	20	20	12.4	11.1	62	56	47-134	11	30	
Benzene	ug/L	5.8	20	20	25.2	23.7	97	90	50-149	6	30	
Bromochloromethane	ug/L	1.0 U	20	20	18.7	16.9	93	84	63-120	10	30	
Bromodichloromethane	ug/L	1.0 U	20	20	18.2	16.9	91	85	46-131	7	30	
Bromoform	ug/L	1.0 U	20	20	15.5	14.1	77	70	30-119	9	30	1c
Bromomethane	ug/L	1.0 U	20	20	9.8	12.2	49	61	10-163	22	30	
Carbon disulfide	ug/L	1.0 U	20	20	19.2	15.5	96	77	41-116	22	30	
Carbon tetrachloride	ug/L	1.0 U	20	20	19.7	16.7	99	83	55-119	17	30	
Chlorobenzene	ug/L	1.0 U	20	20	18.9	17.2	95	86	66-124	10	30	
Chloroethane	ug/L	1.0 U	20	20	19.7	19.7	99	98	45-162	0	30	
Chloroform	ug/L	1.0 U	20	20	17.8	16.0	89	80	56-123	11	30	
Chloromethane	ug/L	1.0 U	20	20	17.5	17.2	87	86	49-150	2	30	
cis-1,2-Dichloroethene	ug/L	1.0 U	20	20	17.1	15.3	86	76	63-116	11	30	
cis-1,3-Dichloropropene	ug/L	1.0 U	20	20	18.1	16.2	91	81	46-119	11	30	
Dibromochloromethane	ug/L	1.0 U	20	20	17.7	15.8	88	79	42-120	11	30	
Dibromomethane	ug/L	1.0 U	20	20	17.8	15.7	89	78	55-117	13	30	
Ethylbenzene	ug/L	1.0 U	20	20	19.7	17.9	99	90	63-135	10	30	
Iodomethane	ug/L	50.0 U	20	20	9.2J	10.1J	44	49	10-175		30	CL
Methyl-tert-butyl ether	ug/L	1.0 U	20	20	17.5	15.4	87	77	53-123	12	30	
Methylene Chloride	ug/L	1.0 U	20	20	16.3	15.7	82	79	57-132	4	30	
Naphthalene	ug/L	2.0 U	20	20	19.3	18.5	97	93	30-157	4	30	
Styrene	ug/L	1.0 U	20	20	19.4	17.1	97	86	58-130	13	30	
Tetrachloroethene	ug/L	1.0 U	20	20	19.7	17.5	99	87	61-132	12	30	
Toluene	ug/L	6.7	20	20	24.3	25.0	88	92	59-139	3	30	
trans-1,2-Dichloroethene	ug/L	1.0 U	20	20	18.9	16.7	95	83	60-124	13	30	
trans-1,3-Dichloropropene	ug/L	1.0 U	20	20	17.7	16.1	89	81	48-121	10	30	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	20	15.0	13.4	75	67	10-111	11	30	
Trichloroethene	ug/L	1.0 U	20	20	19.2	16.7	96	84	63-128	14	30	
Trichlorofluoromethane	ug/L	1.0 U	20	20	19.7	19.0	98	95	70-152	3	30	
Vinyl acetate	ug/L	1.0 U	20	20	17.0	16.6	85	83	23-102	2	30	
Vinyl chloride	ug/L	1.0 U	20	20	20.5	20.2	103	101	67-141	1	30	
Xylene (Total)	ug/L	2.6J	60	60	59.3	53.5	94	85	63-135	10	30	
1,2-Dichloroethane-d4 (S)	%.						95	94	70-130			
4-Bromofluorobenzene (S)	%.						102	103	70-130			
Dibromofluoromethane (S)	%.						100	98	70-130			
Toluene-d8 (S)	%.						101	99	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30399019

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1c	The read back of the low concentration calibration standard for this compound is not within 30% of the true value. The results may be biased high and should be considered estimated.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30399019

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30399019001	**Trip Blank**	EPA 8260B	429485		
30399019002	**CO36-PZM008**	EPA 8260B	429485		
30399019003	**CO36-PZM043**	EPA 8260B	429485		
30399019004	**CO27-PZM046**	EPA 8260B	429485		
30399019005	**CO27-PZM012**	EPA 8260B	429485		
30399019006	**CO41-PZM001**	EPA 8260B	429485		
30399019007	**CO41-PZM036**	EPA 8260B	429485		
30399019008	**CO37-PZM038**	EPA 8260B	429485		
30399019009	**CO40-PZM008**	EPA 8260B	429485		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed

WO# : 30399019

30399019

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Tradepoint Atlantic	Report To:	Matt Newman	Attention:	Matt Newman
Address:	1600 Sparrows Point Blvd	Copy To:	Stew Kabis	Company Name:	Tradepoint Atlantic
	Sparrows Point, MD 21219			Address:	1600 Sparrows Point Blvd Sparrows Point, Md 21219
Email To:		PO Number:		Pace Quote Reference:	
Phone:	Fax:	Project Name:	COA IM GW Sampling	Pace Project Manager:	Samantha Bayura
Requested Due Date/TAT:	5 day	Project Number:		Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MD

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Other	DI Water	Requested Analysis Filtered (Y/N) Analysis Test Y/N: VOC + Napth by 8260	Pace Project No./ Lab I.D.
1	Trip Blank	WT	G			12-29-20	—		2				2					X	001
2	C036-PZM008	WT	G				1000		3				3					X	002
3	C036-PZM043	WT	G				1030		3				3					X	003
4	C027-PZM046	WT	G				1120		3				3					X	004
5	C027-PZM012	WT	G				1200		3				3					X	005
6	C041-PZM001	WT	G				1300		3				3					X	006
7	C041-PZM036	WT	G				1355		3				3					X	007
8	C037-PZM038	WT	G				1455		3				3					X	008
9	C040-PZM008	WT	G				1530		3				3					X	009
10																			
11																			
12																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Sample Conditions		
Data Package Required? (Y/N):		12-29-20	1615	PACE	12-29-20	1615			
Data Validation Required? (Y/N):	PACE	12-29-20	1845	PACE	12-29-20	1845	Y		
If data package is required, attach data package checklist.		12-29-20	2230	Swinell	12/29/2020	2230	Y	N	Y

SAMPLER NAME AND SIGNATURE			Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Lisa Perrin				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 12-29-20			

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Tradepoint Atl Project # 30399019

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Label _____
LIMS Login

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used 11 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 4.3 °C Correction Factor: -0.3 °C Final Temp: 4.0 °C

Temp should be above freezing to 6°C

pH paper Lot# N/A

Date and Initials of person examining contents: 12/29/2020 SW

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:	✓			8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used:	✓			
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: (VOA), coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix			✓	16.
All containers meet method preservation requirements.	✓			Initial when completed SW Date/time of preservation
				Lot # of added preservative
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:	✓			18.
Trip Blank Custody Seals Present	✓			
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed: SW Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

January 07, 2021

Mr. Matthew Newman
Tradepoint Atlantic
1600 Sparrow's Point Boulevard
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30399020

Dear Mr. Newman:

Enclosed are the analytical results for sample(s) received by the laboratory on December 29, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

cc: Ms. Penny Gardner, Environmental Data Quality, Inc.
J.Price, ARM Group Inc.
Mr. Stewart Kabis, ARM Group Inc.
Mr. Eric S. Magdar, ARM Group Inc.
Ms. Shawne M. Rodgers, Environmental Data Quality, Inc.

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Greensburg, PA 15601
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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30399020

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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Greensburg, PA 15601
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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30399020

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30399020001	**Trip Blank**	Water	12/29/20 00:01	12/29/20 22:30
30399020002	**CO24-PZM007**	Water	12/29/20 11:30	12/29/20 22:30
30399020003	**CO23-PZM008**	Water	12/29/20 12:32	12/29/20 22:30
30399020004	**CO60PZP001**	Water	12/29/20 13:30	12/29/20 22:30
30399020005	**CO26-PZM007**	Water	12/29/20 14:27	12/29/20 22:30
30399020006	**CO58-PZM001**	Water	12/29/20 15:35	12/29/20 22:30

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Greensburg, PA 15601
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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30399020

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30399020001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30399020002	**CO24-PZM007**	EPA 8260B	LEL	53	PASI-PA
30399020003	**CO23-PZM008**	EPA 8260B	LEL	53	PASI-PA
30399020004	**CO60PZP001**	EPA 8260B	LEL	53	PASI-PA
30399020005	**CO26-PZM007**	EPA 8260B	LEL	53	PASI-PA
30399020006	**CO58-PZM001**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399020

Sample: Trip Blank **Lab ID: 30399020001** Collected: 12/29/20 00:01 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/05/21 12:46	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/05/21 12:46	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/05/21 12:46	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/05/21 12:46	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		01/05/21 12:46	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/05/21 12:46	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/05/21 12:46	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/05/21 12:46	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/05/21 12:46	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/05/21 12:46	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/05/21 12:46	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/05/21 12:46	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/05/21 12:46	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/05/21 12:46	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/05/21 12:46	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/05/21 12:46	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		01/05/21 12:46	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/05/21 12:46	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		01/05/21 12:46	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/05/21 12:46	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/05/21 12:46	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/05/21 12:46	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		01/05/21 12:46	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/05/21 12:46	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/05/21 12:46	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		01/05/21 12:46	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/05/21 12:46	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/05/21 12:46	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/05/21 12:46	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/05/21 12:46	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/05/21 12:46	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		01/05/21 12:46	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		01/05/21 12:46	74-88-4	
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/05/21 12:46	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/05/21 12:46	75-09-2	
Naphthalene	**1.5J**	ug/L	2.0	0.82	1		01/05/21 12:46	91-20-3	B,L1
Styrene	**1.0 U**	ug/L	1.0	0.33	1		01/05/21 12:46	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/05/21 12:46	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		01/05/21 12:46	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/05/21 12:46	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/05/21 12:46	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/05/21 12:46	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/05/21 12:46	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		01/05/21 12:46	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/05/21 12:46	156-59-2	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399020

Sample: Trip Blank **Lab ID: 30399020001** Collected: 12/29/20 00:01 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/05/21 12:46	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/05/21 12:46	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/05/21 12:46	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/05/21 12:46	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	70-130		1		01/05/21 12:46	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		1		01/05/21 12:46	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		01/05/21 12:46	2037-26-5	
Dibromofluoromethane (S)	98	%.	70-130		1		01/05/21 12:46	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399020

Sample: CO24-PZM007 **Lab ID: 30399020002** Collected: 12/29/20 11:30 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/06/21 19:31	630-20-6	M5
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/06/21 19:31	71-55-6	M5
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/06/21 19:31	79-34-5	M5
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/06/21 19:31	79-00-5	M5
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		01/06/21 19:31	75-34-3	M5
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/06/21 19:31	75-35-4	M5
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/06/21 19:31	96-18-4	M5
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/06/21 19:31	96-12-8	M5
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/06/21 19:31	106-93-4	M5
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/06/21 19:31	95-50-1	M5
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/06/21 19:31	107-06-2	M5
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/06/21 19:31	78-87-5	M5
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/06/21 19:31	106-46-7	M5
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/06/21 19:31	78-93-3	M5
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/06/21 19:31	591-78-6	L2,M5
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/06/21 19:31	108-10-1	M5
Acetone	**16.4**	ug/L	10.0	5.6	1		01/06/21 19:31	67-64-1	M5
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/06/21 19:31	107-13-1	M5
Benzene	**1.3**	ug/L	1.0	0.34	1		01/06/21 19:31	71-43-2	M5
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/06/21 19:31	74-97-5	M5
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/06/21 19:31	75-27-4	M5
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/06/21 19:31	75-25-2	M5
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		01/06/21 19:31	74-83-9	M5
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/06/21 19:31	75-15-0	M5
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/06/21 19:31	56-23-5	M5
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		01/06/21 19:31	108-90-7	M5
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/06/21 19:31	75-00-3	1c,L1, M5
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/06/21 19:31	67-66-3	M5
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/06/21 19:31	74-87-3	1c,M5
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/06/21 19:31	124-48-1	M5
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/06/21 19:31	74-95-3	M5
Ethylbenzene	**3.2**	ug/L	1.0	0.40	1		01/06/21 19:31	100-41-4	M5
Iodomethane	**1.2J**	ug/L	50.0	0.52	1		01/06/21 19:31	74-88-4	IH,M5
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/06/21 19:31	1634-04-4	M5
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/06/21 19:31	75-09-2	M5
Naphthalene	**9230**	ug/L	100	41.0	50		01/06/21 19:57	91-20-3	M5
Styrene	**1.0 U**	ug/L	1.0	0.33	1		01/06/21 19:31	100-42-5	M5
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/06/21 19:31	127-18-4	M5
Toluene	**1.0**	ug/L	1.0	0.32	1		01/06/21 19:31	108-88-3	M5
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/06/21 19:31	79-01-6	M5
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/06/21 19:31	75-69-4	CH,L1, M5
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/06/21 19:31	108-05-4	1c,M5
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/06/21 19:31	75-01-4	M5
Xylene (Total)	**3.3**	ug/L	3.0	1.4	1		01/06/21 19:31	1330-20-7	M5

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399020

Sample: CO24-PZM007 **Lab ID: 30399020002** Collected: 12/29/20 11:30 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/06/21 19:31	156-59-2	M5
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/06/21 19:31	10061-01-5	M5
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/06/21 19:31	156-60-5	M5
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/06/21 19:31	10061-02-6	M5
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/06/21 19:31	110-57-6	M5
Surrogates									
4-Bromofluorobenzene (S)	122	%.	70-130		1		01/06/21 19:31	460-00-4	M5
1,2-Dichloroethane-d4 (S)	120	%.	70-130		1		01/06/21 19:31	17060-07-0	M5
Toluene-d8 (S)	94	%.	70-130		1		01/06/21 19:31	2037-26-5	M5
Dibromofluoromethane (S)	122	%.	70-130		1		01/06/21 19:31	1868-53-7	M5

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399020

Sample: CO23-PZM008 **Lab ID: 30399020003** Collected: 12/29/20 12:32 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		01/05/21 16:29	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		01/05/21 16:29	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		01/05/21 16:29	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		01/05/21 16:29	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		01/05/21 16:29	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		01/05/21 16:29	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		01/05/21 16:29	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		01/05/21 16:29	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		01/05/21 16:29	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		01/05/21 16:29	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		01/05/21 16:29	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		01/05/21 16:29	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		01/05/21 16:29	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		01/05/21 16:29	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		01/05/21 16:29	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		01/05/21 16:29	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		01/05/21 16:29	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		01/05/21 16:29	107-13-1	
Benzene	**495**	ug/L	5.0	1.7	5		01/05/21 16:29	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		01/05/21 16:29	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		01/05/21 16:29	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		01/05/21 16:29	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		01/05/21 16:29	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		01/05/21 16:29	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		01/05/21 16:29	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		01/05/21 16:29	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		01/05/21 16:29	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		01/05/21 16:29	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		01/05/21 16:29	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		01/05/21 16:29	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		01/05/21 16:29	74-95-3	
Ethylbenzene	**24.7**	ug/L	5.0	2.0	5		01/05/21 16:29	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		01/05/21 16:29	74-88-4	
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		01/05/21 16:29	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		01/05/21 16:29	75-09-2	
Naphthalene	**2460**	ug/L	10.0	4.1	5		01/05/21 16:29	91-20-3	B,E,L1
Styrene	**22.9**	ug/L	5.0	1.6	5		01/05/21 16:29	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		01/05/21 16:29	127-18-4	
Toluene	**244**	ug/L	5.0	1.6	5		01/05/21 16:29	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		01/05/21 16:29	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		01/05/21 16:29	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		01/05/21 16:29	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		01/05/21 16:29	75-01-4	
Xylene (Total)	**399**	ug/L	15.0	6.8	5		01/05/21 16:29	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		01/05/21 16:29	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399020

Sample: CO23-PZM008 **Lab ID: 30399020003** Collected: 12/29/20 12:32 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		01/05/21 16:29	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		01/05/21 16:29	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		01/05/21 16:29	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		01/05/21 16:29	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%.	70-130		5		01/05/21 16:29	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%.	70-130		5		01/05/21 16:29	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		5		01/05/21 16:29	2037-26-5	
Dibromofluoromethane (S)	98	%.	70-130		5		01/05/21 16:29	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399020

Sample: CO60PZP001 **Lab ID: 30399020004** Collected: 12/29/20 13:30 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/06/21 20:23	630-20-6	M5
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/06/21 20:23	71-55-6	M5
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/06/21 20:23	79-34-5	M5
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/06/21 20:23	79-00-5	M5
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		01/06/21 20:23	75-34-3	M5
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/06/21 20:23	75-35-4	M5
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/06/21 20:23	96-18-4	M5
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/06/21 20:23	96-12-8	M5
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/06/21 20:23	106-93-4	M5
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/06/21 20:23	95-50-1	M5
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/06/21 20:23	107-06-2	M5
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/06/21 20:23	78-87-5	M5
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/06/21 20:23	106-46-7	M5
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/06/21 20:23	78-93-3	M5
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/06/21 20:23	591-78-6	L2,M5
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/06/21 20:23	108-10-1	M5
Acetone	**27.8**	ug/L	10.0	5.6	1		01/06/21 20:23	67-64-1	M5
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/06/21 20:23	107-13-1	M5
Benzene	**264**	ug/L	1.0	0.34	1		01/06/21 20:23	71-43-2	M5
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/06/21 20:23	74-97-5	M5
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/06/21 20:23	75-27-4	M5
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/06/21 20:23	75-25-2	M5
Bromomethane	**1.0**	ug/L	1.0	0.73	1		01/06/21 20:23	74-83-9	M5
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/06/21 20:23	75-15-0	M5
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/06/21 20:23	56-23-5	M5
Chlorobenzene	**0.38J**	ug/L	1.0	0.26	1		01/06/21 20:23	108-90-7	M5
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/06/21 20:23	75-00-3	1c,L1, M5
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/06/21 20:23	67-66-3	M5
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/06/21 20:23	74-87-3	1c,M5
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/06/21 20:23	124-48-1	M5
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/06/21 20:23	74-95-3	M5
Ethylbenzene	**8.7**	ug/L	1.0	0.40	1		01/06/21 20:23	100-41-4	M5
Iodomethane	**1.3J**	ug/L	50.0	0.52	1		01/06/21 20:23	74-88-4	IH,M5
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/06/21 20:23	1634-04-4	M5
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/06/21 20:23	75-09-2	M5
Naphthalene	**9620**	ug/L	100	41.0	50		01/06/21 20:49	91-20-3	M5
Styrene	**57.5**	ug/L	1.0	0.33	1		01/06/21 20:23	100-42-5	M5
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/06/21 20:23	127-18-4	M5
Toluene	**60.7**	ug/L	1.0	0.32	1		01/06/21 20:23	108-88-3	M5
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/06/21 20:23	79-01-6	M5
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/06/21 20:23	75-69-4	CH,L1, M5
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/06/21 20:23	108-05-4	1c,M5
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/06/21 20:23	75-01-4	M5
Xylene (Total)	**225**	ug/L	3.0	1.4	1		01/06/21 20:23	1330-20-7	M5

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399020

Sample: CO60PZP001 **Lab ID: 30399020004** Collected: 12/29/20 13:30 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/06/21 20:23	156-59-2	M5
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/06/21 20:23	10061-01-5	M5
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/06/21 20:23	156-60-5	M5
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/06/21 20:23	10061-02-6	M5
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/06/21 20:23	110-57-6	M5
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		01/06/21 20:23	460-00-4	M5
1,2-Dichloroethane-d4 (S)	113	%.	70-130		1		01/06/21 20:23	17060-07-0	M5
Toluene-d8 (S)	95	%.	70-130		1		01/06/21 20:23	2037-26-5	M5
Dibromofluoromethane (S)	114	%.	70-130		1		01/06/21 20:23	1868-53-7	M5

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399020

Sample: CO26-PZM007 **Lab ID: 30399020005** Collected: 12/29/20 14:27 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/06/21 21:14	630-20-6	M5
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/06/21 21:14	71-55-6	M5
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/06/21 21:14	79-34-5	M5
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/06/21 21:14	79-00-5	M5
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		01/06/21 21:14	75-34-3	M5
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/06/21 21:14	75-35-4	M5
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/06/21 21:14	96-18-4	M5
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/06/21 21:14	96-12-8	M5
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/06/21 21:14	106-93-4	M5
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/06/21 21:14	95-50-1	M5
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/06/21 21:14	107-06-2	M5
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/06/21 21:14	78-87-5	M5
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/06/21 21:14	106-46-7	M5
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/06/21 21:14	78-93-3	M5
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/06/21 21:14	591-78-6	L2,M5
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/06/21 21:14	108-10-1	M5
Acetone	**16.2**	ug/L	10.0	5.6	1		01/06/21 21:14	67-64-1	M5
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/06/21 21:14	107-13-1	M5
Benzene	**3.5**	ug/L	1.0	0.34	1		01/06/21 21:14	71-43-2	M5
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/06/21 21:14	74-97-5	M5
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/06/21 21:14	75-27-4	M5
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/06/21 21:14	75-25-2	M5
Bromomethane	**0.76J**	ug/L	1.0	0.73	1		01/06/21 21:14	74-83-9	M5
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/06/21 21:14	75-15-0	M5
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/06/21 21:14	56-23-5	M5
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		01/06/21 21:14	108-90-7	M5
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/06/21 21:14	75-00-3	1c,L1, M5
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/06/21 21:14	67-66-3	M5
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/06/21 21:14	74-87-3	1c,M5
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/06/21 21:14	124-48-1	M5
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/06/21 21:14	74-95-3	M5
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		01/06/21 21:14	100-41-4	M5
Iodomethane	**0.94J**	ug/L	50.0	0.52	1		01/06/21 21:14	74-88-4	IH,M5
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/06/21 21:14	1634-04-4	M5
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/06/21 21:14	75-09-2	M5
Naphthalene	**33.8**	ug/L	2.0	0.82	1		01/06/21 21:14	91-20-3	M5
Styrene	**1.0 U**	ug/L	1.0	0.33	1		01/06/21 21:14	100-42-5	M5
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/06/21 21:14	127-18-4	M5
Toluene	**1.4**	ug/L	1.0	0.32	1		01/06/21 21:14	108-88-3	M5
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/06/21 21:14	79-01-6	M5
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/06/21 21:14	75-69-4	CH,L1, M5
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/06/21 21:14	108-05-4	1c,M5
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/06/21 21:14	75-01-4	M5
Xylene (Total)	**1.8J**	ug/L	3.0	1.4	1		01/06/21 21:14	1330-20-7	M5

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399020

Sample: CO26-PZM007 **Lab ID: 30399020005** Collected: 12/29/20 14:27 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/06/21 21:14	156-59-2	M5
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/06/21 21:14	10061-01-5	M5
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/06/21 21:14	156-60-5	M5
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/06/21 21:14	10061-02-6	M5
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/06/21 21:14	110-57-6	M5
Surrogates									
4-Bromofluorobenzene (S)	114	%.	70-130		1		01/06/21 21:14	460-00-4	M5
1,2-Dichloroethane-d4 (S)	112	%.	70-130		1		01/06/21 21:14	17060-07-0	M5
Toluene-d8 (S)	97	%.	70-130		1		01/06/21 21:14	2037-26-5	M5
Dibromofluoromethane (S)	111	%.	70-130		1		01/06/21 21:14	1868-53-7	M5

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399020

Sample: CO58-PZM001 **Lab ID: 30399020006** Collected: 12/29/20 15:35 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/06/21 22:06	630-20-6	M5
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/06/21 22:06	71-55-6	M5
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/06/21 22:06	79-34-5	M5
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/06/21 22:06	79-00-5	M5
1,1-Dichloroethane	**0.90J**	ug/L	1.0	0.24	1		01/06/21 22:06	75-34-3	M5
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/06/21 22:06	75-35-4	M5
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/06/21 22:06	96-18-4	M5
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/06/21 22:06	96-12-8	M5
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/06/21 22:06	106-93-4	M5
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/06/21 22:06	95-50-1	M5
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/06/21 22:06	107-06-2	M5
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/06/21 22:06	78-87-5	M5
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/06/21 22:06	106-46-7	M5
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/06/21 22:06	78-93-3	M5
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/06/21 22:06	591-78-6	L2,M5
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/06/21 22:06	108-10-1	M5
Acetone	**17.1**	ug/L	10.0	5.6	1		01/06/21 22:06	67-64-1	M5
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/06/21 22:06	107-13-1	M5
Benzene	**243**	ug/L	1.0	0.34	1		01/06/21 22:06	71-43-2	M5
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/06/21 22:06	74-97-5	M5
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/06/21 22:06	75-27-4	M5
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/06/21 22:06	75-25-2	M5
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		01/06/21 22:06	74-83-9	M5
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/06/21 22:06	75-15-0	M5
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/06/21 22:06	56-23-5	M5
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		01/06/21 22:06	108-90-7	M5
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/06/21 22:06	75-00-3	1c,L1, M5
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/06/21 22:06	67-66-3	M5
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/06/21 22:06	74-87-3	1c,M5
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/06/21 22:06	124-48-1	M5
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/06/21 22:06	74-95-3	M5
Ethylbenzene	**11.4**	ug/L	1.0	0.40	1		01/06/21 22:06	100-41-4	M5
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		01/06/21 22:06	74-88-4	IH,M5
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/06/21 22:06	1634-04-4	M5
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/06/21 22:06	75-09-2	M5
Naphthalene	**8170**	ug/L	100	41.0	50		01/06/21 22:31	91-20-3	M5
Styrene	**27.9**	ug/L	1.0	0.33	1		01/06/21 22:06	100-42-5	M5
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/06/21 22:06	127-18-4	M5
Toluene	**68.5**	ug/L	1.0	0.32	1		01/06/21 22:06	108-88-3	M5
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/06/21 22:06	79-01-6	M5
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/06/21 22:06	75-69-4	CH,L1, M5
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/06/21 22:06	108-05-4	1c,M5
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/06/21 22:06	75-01-4	M5
Xylene (Total)	**197**	ug/L	3.0	1.4	1		01/06/21 22:06	1330-20-7	M5

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399020

Sample: CO58-PZM001 **Lab ID: 30399020006** Collected: 12/29/20 15:35 Received: 12/29/20 22:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/06/21 22:06	156-59-2	M5
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/06/21 22:06	10061-01-5	M5
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/06/21 22:06	156-60-5	M5
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/06/21 22:06	10061-02-6	M5
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/06/21 22:06	110-57-6	M5
Surrogates									
4-Bromofluorobenzene (S)	106	%.	70-130		1		01/06/21 22:06	460-00-4	M5
1,2-Dichloroethane-d4 (S)	113	%.	70-130		1		01/06/21 22:06	17060-07-0	M5
Toluene-d8 (S)	97	%.	70-130		1		01/06/21 22:06	2037-26-5	M5
Dibromofluoromethane (S)	111	%.	70-130		1		01/06/21 22:06	1868-53-7	M5

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399020

QC Batch: 429601
QC Batch Method: EPA 8260B
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30399020001, 30399020003

METHOD BLANK: 2075289
Matrix: Water
Associated Lab Samples: 30399020001, 30399020003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	01/05/21 12:21	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	01/05/21 12:21	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	01/05/21 12:21	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	01/05/21 12:21	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	01/05/21 12:21	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	01/05/21 12:21	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	01/05/21 12:21	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	01/05/21 12:21	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	01/05/21 12:21	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	01/05/21 12:21	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	01/05/21 12:21	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	01/05/21 12:21	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	01/05/21 12:21	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	01/05/21 12:21	
2-Hexanone	ug/L	10.0 U	10.0	0.58	01/05/21 12:21	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	01/05/21 12:21	
Acetone	ug/L	10.0 U	10.0	5.6	01/05/21 12:21	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	01/05/21 12:21	
Benzene	ug/L	1.0 U	1.0	0.34	01/05/21 12:21	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	01/05/21 12:21	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	01/05/21 12:21	
Bromoform	ug/L	1.0 U	1.0	0.56	01/05/21 12:21	
Bromomethane	ug/L	1.0 U	1.0	0.73	01/05/21 12:21	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	01/05/21 12:21	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	01/05/21 12:21	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	01/05/21 12:21	
Chloroethane	ug/L	1.0 U	1.0	0.64	01/05/21 12:21	
Chloroform	ug/L	1.0 U	1.0	0.39	01/05/21 12:21	
Chloromethane	ug/L	1.0 U	1.0	0.40	01/05/21 12:21	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	01/05/21 12:21	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	01/05/21 12:21	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	01/05/21 12:21	
Dibromomethane	ug/L	1.0 U	1.0	0.34	01/05/21 12:21	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	01/05/21 12:21	
Iodomethane	ug/L	50.0 U	50.0	0.52	01/05/21 12:21	
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	01/05/21 12:21	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	01/05/21 12:21	
Naphthalene	ug/L	3.8	2.0	0.82	01/05/21 12:21	B
Styrene	ug/L	1.0 U	1.0	0.33	01/05/21 12:21	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	01/05/21 12:21	

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(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399020

METHOD BLANK: 2075289 Matrix: Water
Associated Lab Samples: 30399020001, 30399020003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	01/05/21 12:21	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	01/05/21 12:21	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	01/05/21 12:21	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	01/05/21 12:21	
Trichloroethene	ug/L	1.0 U	1.0	0.29	01/05/21 12:21	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	01/05/21 12:21	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	01/05/21 12:21	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	01/05/21 12:21	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	01/05/21 12:21	
1,2-Dichloroethane-d4 (S)	%.	100	70-130		01/05/21 12:21	
4-Bromofluorobenzene (S)	%.	101	70-130		01/05/21 12:21	
Dibromofluoromethane (S)	%.	101	70-130		01/05/21 12:21	
Toluene-d8 (S)	%.	99	70-130		01/05/21 12:21	

LABORATORY CONTROL SAMPLE: 2075290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.2	101	70-130	
1,1,1-Trichloroethane	ug/L	20	23.5	117	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	21.0	105	70-130	
1,1,2-Trichloroethane	ug/L	20	20.9	105	70-130	
1,1-Dichloroethane	ug/L	20	21.3	106	70-130	
1,1-Dichloroethene	ug/L	20	18.6	93	70-130	
1,2,3-Trichloropropane	ug/L	20	20.3	102	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	24.0	120	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	20.0	100	70-130	
1,2-Dichlorobenzene	ug/L	20	22.1	110	70-130	
1,2-Dichloroethane	ug/L	20	20.3	102	70-130	
1,2-Dichloropropane	ug/L	20	21.2	106	70-130	
1,4-Dichlorobenzene	ug/L	20	20.9	104	70-130	
2-Butanone (MEK)	ug/L	20	22.0	110	70-130	
2-Hexanone	ug/L	20	19.2	96	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	18.8	94	70-130	
Acetone	ug/L	20	24.8	124	67-173	
Acrylonitrile	ug/L	20	20.5	102	56-147	
Benzene	ug/L	20	21.3	107	70-130	
Bromochloromethane	ug/L	20	20.8	104	70-130	
Bromodichloromethane	ug/L	20	22.3	111	70-130	
Bromoform	ug/L	20	19.6	98	63-119	
Bromomethane	ug/L	20	25.0	125	24-159	
Carbon disulfide	ug/L	20	22.2	111	57-132	
Carbon tetrachloride	ug/L	20	21.2	106	70-130	
Chlorobenzene	ug/L	20	21.6	108	70-130	
Chloroethane	ug/L	20	23.9	119	62-145	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399020

LABORATORY CONTROL SAMPLE: 2075290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	20	21.0	105	70-130	
Chloromethane	ug/L	20	21.0	105	66-140	
cis-1,2-Dichloroethene	ug/L	20	19.0	95	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.1	106	70-130	
Dibromochloromethane	ug/L	20	20.8	104	70-130	
Dibromomethane	ug/L	20	19.7	99	70-130	
Ethylbenzene	ug/L	20	20.9	104	70-130	
Iodomethane	ug/L	20	15.0J	75	10-175	
Methyl-tert-butyl ether	ug/L	20	21.3	107	70-130	
Methylene Chloride	ug/L	20	18.4	92	70-130	
Naphthalene	ug/L	20	34.0	170	55-160	B,L1
Styrene	ug/L	20	21.7	108	70-130	
Tetrachloroethene	ug/L	20	21.2	106	70-130	
Toluene	ug/L	20	20.8	104	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.2	101	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.3	101	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	19.4	97	48-131	
Trichloroethene	ug/L	20	22.1	111	70-130	
Trichlorofluoromethane	ug/L	20	20.7	103	70-130	
Vinyl acetate	ug/L	20	19.0	95	33-128	
Vinyl chloride	ug/L	20	22.0	110	70-130	
Xylene (Total)	ug/L	60	63.8	106	70-130	
1,2-Dichloroethane-d4 (S)	%.			95	70-130	
4-Bromofluorobenzene (S)	%.			99	70-130	
Dibromofluoromethane (S)	%.			100	70-130	
Toluene-d8 (S)	%.			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2076014 2076015

Parameter	Units	30399285002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	18.0	17.6	90	88	59-117	2	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	20.7	19.6	104	98	55-146	5	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20.4	18.8	102	94	55-118	8	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	19.0	18.3	95	92	61-122	4	30	
1,1-Dichloroethane	ug/L	ND	20	20	18.1	17.1	91	85	59-130	6	30	
1,1-Dichloroethene	ug/L	ND	20	20	17.1	16.6	86	83	52-119	3	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	19.4	17.2	97	86	59-117	12	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	14.3	12.4	71	62	32-112	14	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	17.9	17.2	89	86	61-116	4	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	17.7	15.9	88	79	58-126	11	30	
1,2-Dichloroethane	ug/L	ND	20	20	18.0	17.2	90	86	49-135	5	30	
1,2-Dichloropropane	ug/L	ND	20	20	17.3	16.5	87	82	67-121	5	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	17.6	16.6	88	83	60-121	6	30	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399020

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2076014 2076015

Parameter	Units	30399285002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	ND	20	20	13.1	13.1	66	65	59-138	1	30	
2-Hexanone	ug/L	ND	20	20	9.7J	9.0J	49	45	66-123		30	ML
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	11.7	9.3J	59	46	70-130		30	ML
Acetone	ug/L	ND	20	20	21.6	20.2	108	101	57-140	7	30	
Acrylonitrile	ug/L	ND	20	20	14.7	14.2	74	71	47-134	4	30	
Benzene	ug/L	ND	20	20	17.0	16.4	85	82	50-149	3	30	
Bromochloromethane	ug/L	ND	20	20	19.2	17.7	96	88	63-120	8	30	
Bromodichloromethane	ug/L	ND	20	20	19.7	19.1	99	95	46-131	3	30	
Bromoform	ug/L	ND	20	20	17.6	14.8	88	74	30-119	17	30	
Bromomethane	ug/L	ND	20	20	18.5	22.4	92	112	10-163	19	30	
Carbon disulfide	ug/L	ND	20	20	19.4	18.5	97	93	41-116	5	30	
Carbon tetrachloride	ug/L	ND	20	20	19.7	19.0	98	95	55-119	4	30	
Chlorobenzene	ug/L	ND	20	20	18.2	17.4	91	87	66-124	4	30	
Chloroethane	ug/L	ND	20	20	31.0	30.1	155	151	45-162	3	30	1c
Chloroform	ug/L	ND	20	20	18.9	18.5	95	92	56-123	2	30	
Chloromethane	ug/L	ND	20	20	15.1	15.5	75	77	49-150	3	30	1c
cis-1,2-Dichloroethene	ug/L	ND	20	20	15.1	14.7	75	73	63-116	3	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	16.0	14.5	80	72	46-119	10	30	
Dibromochloromethane	ug/L	ND	20	20	18.0	16.7	90	84	42-120	8	30	
Dibromomethane	ug/L	ND	20	20	16.8	16.6	84	83	55-117	1	30	
Ethylbenzene	ug/L	ND	20	20	17.0	16.1	85	80	63-135	6	30	
Iodomethane	ug/L	ND	20	20	19.5J	20.3J	98	101	10-175		30	IH
Methyl-tert-butyl ether	ug/L	ND	20	20	16.8	15.8	74	69	53-123	7	30	
Methylene Chloride	ug/L	ND	20	20	16.6	16.0	83	80	57-132	4	30	
Naphthalene	ug/L	ND	20	20	12.1	10.4	61	52	30-157	15	30	
Styrene	ug/L	ND	20	20	15.8	14.8	79	74	58-130	7	30	
Tetrachloroethene	ug/L	ND	20	20	18.7	17.6	94	88	61-132	6	30	
Toluene	ug/L	ND	20	20	17.2	16.3	86	81	59-139	5	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	16.2	15.9	81	79	60-124	2	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	17.7	16.1	89	81	48-121	10	30	
trans-1,4-Dichloro-2-butene	ug/L	ND	20	20	10.5	7.9	52	39	10-111	28	30	
Trichloroethene	ug/L	ND	20	20	18.0	17.2	90	86	63-128	5	30	
Trichlorofluoromethane	ug/L	ND	20	20	28.8	28.3	144	141	70-152	2	30	CH
Vinyl acetate	ug/L	ND	20	20	14.1	13.6	70	68	23-102	3	30	1c
Vinyl chloride	ug/L	ND	20	20	19.4	18.8	97	94	67-141	3	30	
Xylene (Total)	ug/L	ND	60	60	47.9	44.5	80	74	63-135	7	30	
1,2-Dichloroethane-d4 (S)	%.						105	109	70-130			
4-Bromofluorobenzene (S)	%.						97	95	70-130			
Dibromofluoromethane (S)	%.						109	112	70-130			
Toluene-d8 (S)	%.						94	95	70-130			

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399020

QC Batch: 429877
QC Batch Method: EPA 8260B
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30399020002, 30399020004, 30399020005, 30399020006

METHOD BLANK: 2076453 Matrix: Water
Associated Lab Samples: 30399020002, 30399020004, 30399020005, 30399020006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	01/06/21 16:05	M5
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	01/06/21 16:05	M5
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	01/06/21 16:05	M5
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	01/06/21 16:05	M5
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	01/06/21 16:05	M5
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	01/06/21 16:05	M5
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	01/06/21 16:05	M5
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	01/06/21 16:05	M5
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	01/06/21 16:05	M5
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	01/06/21 16:05	M5
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	01/06/21 16:05	M5
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	01/06/21 16:05	M5
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	01/06/21 16:05	M5
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	01/06/21 16:05	M5
2-Hexanone	ug/L	10.0 U	10.0	0.58	01/06/21 16:05	M5
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	01/06/21 16:05	M5
Acetone	ug/L	10.0 U	10.0	5.6	01/06/21 16:05	M5
Acrylonitrile	ug/L	4.0 U	4.0	0.55	01/06/21 16:05	M5
Benzene	ug/L	1.0 U	1.0	0.34	01/06/21 16:05	M5
Bromochloromethane	ug/L	1.0 U	1.0	0.48	01/06/21 16:05	M5
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	01/06/21 16:05	M5
Bromoform	ug/L	1.0 U	1.0	0.56	01/06/21 16:05	M5
Bromomethane	ug/L	0.88J	1.0	0.73	01/06/21 16:05	M5
Carbon disulfide	ug/L	1.0 U	1.0	0.32	01/06/21 16:05	M5
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	01/06/21 16:05	M5
Chlorobenzene	ug/L	1.0 U	1.0	0.26	01/06/21 16:05	M5
Chloroethane	ug/L	1.0 U	1.0	0.64	01/06/21 16:05	1c,M5
Chloroform	ug/L	1.0 U	1.0	0.39	01/06/21 16:05	M5
Chloromethane	ug/L	1.0 U	1.0	0.40	01/06/21 16:05	1c,M5
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	01/06/21 16:05	M5
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	01/06/21 16:05	M5
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	01/06/21 16:05	M5
Dibromomethane	ug/L	1.0 U	1.0	0.34	01/06/21 16:05	M5
Ethylbenzene	ug/L	1.0 U	1.0	0.40	01/06/21 16:05	M5
Iodomethane	ug/L	50.0 U	50.0	0.52	01/06/21 16:05	IH,M5
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	01/06/21 16:05	M5
Methylene Chloride	ug/L	1.0 U	1.0	0.64	01/06/21 16:05	M5
Naphthalene	ug/L	2.0 U	2.0	0.82	01/06/21 16:05	M5
Styrene	ug/L	1.0 U	1.0	0.33	01/06/21 16:05	M5
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	01/06/21 16:05	M5

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399020

METHOD BLANK: 2076453 Matrix: Water
Associated Lab Samples: 30399020002, 30399020004, 30399020005, 30399020006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	01/06/21 16:05	M5
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	01/06/21 16:05	M5
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	01/06/21 16:05	M5
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	01/06/21 16:05	M5
Trichloroethene	ug/L	1.0 U	1.0	0.29	01/06/21 16:05	M5
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	01/06/21 16:05	CH,M5
Vinyl acetate	ug/L	1.0 U	1.0	0.57	01/06/21 16:05	1c,M5
Vinyl chloride	ug/L	1.0 U	1.0	0.29	01/06/21 16:05	M5
Xylene (Total)	ug/L	3.0 U	3.0	1.4	01/06/21 16:05	M5
1,2-Dichloroethane-d4 (S)	%.	113	70-130		01/06/21 16:05	M5
4-Bromofluorobenzene (S)	%.	99	70-130		01/06/21 16:05	M5
Dibromofluoromethane (S)	%.	117	70-130		01/06/21 16:05	M5
Toluene-d8 (S)	%.	97	70-130		01/06/21 16:05	M5

LABORATORY CONTROL SAMPLE: 2076454

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.5	108	70-130	M5
1,1,1-Trichloroethane	ug/L	20	23.6	118	70-130	M5
1,1,2,2-Tetrachloroethane	ug/L	20	23.6	118	70-130	M5
1,1,2-Trichloroethane	ug/L	20	22.4	112	70-130	M5
1,1-Dichloroethane	ug/L	20	20.2	101	70-130	M5
1,1-Dichloroethene	ug/L	20	18.6	93	70-130	M5
1,2,3-Trichloropropane	ug/L	20	22.0	110	70-130	M5
1,2-Dibromo-3-chloropropane	ug/L	20	16.8	84	59-122	M5
1,2-Dibromoethane (EDB)	ug/L	20	21.8	109	70-130	M5
1,2-Dichlorobenzene	ug/L	20	20.1	101	70-130	M5
1,2-Dichloroethane	ug/L	20	21.6	108	70-130	M5
1,2-Dichloropropane	ug/L	20	20.5	103	70-130	M5
1,4-Dichlorobenzene	ug/L	20	20.9	105	70-130	M5
2-Butanone (MEK)	ug/L	20	17.1	85	70-130	M5
2-Hexanone	ug/L	20	13.7	68	70-130	L2,M5
4-Methyl-2-pentanone (MIBK)	ug/L	20	14.5	73	70-130	M5
Acetone	ug/L	20	25.0	125	67-173	M5
Acrylonitrile	ug/L	20	18.5	93	56-147	M5
Benzene	ug/L	20	19.8	99	70-130	M5
Bromochloromethane	ug/L	20	21.9	109	70-130	M5
Bromodichloromethane	ug/L	20	23.2	116	70-130	M5
Bromoform	ug/L	20	18.9	95	63-119	M5
Bromomethane	ug/L	20	23.7	118	24-159	M5
Carbon disulfide	ug/L	20	21.3	106	57-132	M5
Carbon tetrachloride	ug/L	20	21.5	108	70-130	M5
Chlorobenzene	ug/L	20	21.7	109	70-130	M5
Chloroethane	ug/L	20	29.4	147	62-145	1c,L1,M5

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399020

LABORATORY CONTROL SAMPLE: 2076454

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	20	21.9	110	70-130	M5
Chloromethane	ug/L	20	18.8	94	66-140	1c,M5
cis-1,2-Dichloroethene	ug/L	20	18.3	91	70-130	M5
cis-1,3-Dichloropropene	ug/L	20	20.2	101	70-130	M5
Dibromochloromethane	ug/L	20	21.0	105	70-130	M5
Dibromomethane	ug/L	20	20.6	103	70-130	M5
Ethylbenzene	ug/L	20	20.0	100	70-130	M5
Iodomethane	ug/L	20	15.9J	80	10-175	IH,M5
Methyl-tert-butyl ether	ug/L	20	18.6	93	70-130	M5
Methylene Chloride	ug/L	20	18.3	91	70-130	M5
Naphthalene	ug/L	20	16.0	80	55-160	M5
Styrene	ug/L	20	19.3	97	70-130	M5
Tetrachloroethene	ug/L	20	21.7	108	70-130	M5
Toluene	ug/L	20	20.2	101	70-130	M5
trans-1,2-Dichloroethene	ug/L	20	18.7	94	70-130	M5
trans-1,3-Dichloropropene	ug/L	20	21.9	109	70-130	M5
trans-1,4-Dichloro-2-butene	ug/L	20	13.3	66	48-131	M5
Trichloroethene	ug/L	20	21.0	105	70-130	M5
Trichlorofluoromethane	ug/L	20	29.7	149	70-130	CH,L1,M5
Vinyl acetate	ug/L	20	18.3	91	33-128	1c,M5
Vinyl chloride	ug/L	20	21.8	109	70-130	M5
Xylene (Total)	ug/L	60	58.5	98	70-130	M5
1,2-Dichloroethane-d4 (S)	%.			104	70-130	M5
4-Bromofluorobenzene (S)	%.			98	70-130	M5
Dibromofluoromethane (S)	%.			107	70-130	M5
Toluene-d8 (S)	%.			96	70-130	M5

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30399020

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 429877

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1c	The read back of the low concentration calibration standard for this compound is not within 30% of the true value. The results may be biased high and should be considered estimated.
B	Analyte was detected in the associated method blank.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M5	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30399020

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30399020001	**Trip Blank**	EPA 8260B	429601		
30399020002	**CO24-PZM007**	EPA 8260B	429877		
30399020003	**CO23-PZM008**	EPA 8260B	429601		
30399020004	**CO60PZP001**	EPA 8260B	429877		
30399020005	**CO26-PZM007**	EPA 8260B	429877		
30399020006	**CO58-PZM001**	EPA 8260B	429877		

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CHAIN-OF-CUSTODY / Analytical Request D[illegible]

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be compl[illegible]

WO# : 30399020

30399020

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Tradepoint Atlantic	Report To:	Matt Newman	Attention:	Matt Newman
Address:	1600 Sparrows Point Blvd	Copy To:	Stew Kabis	Company Name:	Tradepoint Atlantic
	Sparrows Point, MD 21219			Address:	1600 Sparrows Point Blvd Sparrows Point, Md 21219
Email To:		PO Number:		Pace Quote Reference:	
Phone:	Fax:	Project Name:	COA IM GW Sampling	Pace Project Manager:	Samantha Bayura
Requested Due Date/TAT:	5 day	Project Number:		Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MD

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N): Y/N N

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Other	DI Water	Analysis Test: VOC + Napth by 8260	Pace Project No./ Lab I.D.
1	Trip Blank	WT	G	[illegible]		12/29/20	[illegible]		2				2					X	001
2	C024-PMZ007	WT	G			12/29/20	1130		3				3					X	002
3	C023-PMZ008	WT	G			12/29/20	1232		3				3					X	003
4	C060-PZP001	WT	G			12/29/20	1330		3				3					X	004
5	C026-PZM007	WT	G			12/29/20	1427		3				3					X	005
6	C058-PZM001	WT	G			12/29/20	1535		3				3					X	006
7		[illegible]	[illegible]																
8																			
9																			
10																			
11																			
12																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Sample Conditions: Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Data Package Required? (Y/N):	[signature] / ARM	12/29/20	1604	[signature] / PAC	12/29/20	1604			
Data Validation Required? (Y/N):	[signature] / PAC	12-29-20	1845	RDS PACE	12/29/20	1915	✓		
If data package is required, attach data package checklist.	RDS PACE	12/29/20	2230	SW Wiell	12/29/2020	2230	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lauren Parker

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 12/29/20

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.06, 2-Feb-2007

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Tradepoint Atl. Project # 30399020

Label SHANA
LIMS Login

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used 11 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 4.3 °C Correction Factor: -0.3 °C Final Temp: 4.0 °C

Temp should be above freezing to 6°C

pH paper Lot# N/A

Date and Initials of person examining contents: 12/29/2020 SW

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC:		✓		5. ~~no trip Blanks~~ SMB 12/30/20
-Includes date/time/ID Matrix: WT				
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:	✓			8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used:	✓			
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: (VOA), coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix			✓	16.
All containers meet method preservation requirements.	✓			Initial when completed SW Date/time of preservation
				Lot # of added preservative
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:	✓	X		18. 12-30-20
Trip Blank Custody Seals Present	✓		X	
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed: SW Date:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

January 08, 2021

Mr. Matthew Newman
Tradepoint Atlantic
1600 Sparrow's Point Boulevard
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30399213

Dear Mr. Newman:

Enclosed are the analytical results for sample(s) received by the laboratory on December 30, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

cc: Ms. Penny Gardner, Environmental Data Quality, Inc.
J.Price, ARM Group Inc.
Mr. Stewart Kabis, ARM Group Inc.
Mr. Eric S. Magdar, ARM Group Inc.
Ms. Shawne M. Rodgers, Environmental Data Quality, Inc.

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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30399213

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30399213

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30399213001	**Trip Blank**	Water	12/30/20 00:01	12/30/20 22:15
30399213002	**CO56-PZP001**	Water	12/30/20 09:25	12/30/20 22:15
30399213003	**CO55-PZM000**	Water	12/30/20 10:00	12/30/20 22:15

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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30399213

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30399213001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30399213002	**CO56-PZP001**	EPA 8260B	LEL	53	PASI-PA
30399213003	**CO55-PZM000**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399213

Sample: Trip Blank **Lab ID: 30399213001** Collected: 12/30/20 00:01 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/05/21 12:58	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/05/21 12:58	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/05/21 12:58	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/05/21 12:58	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		01/05/21 12:58	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/05/21 12:58	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/05/21 12:58	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/05/21 12:58	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/05/21 12:58	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/05/21 12:58	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/05/21 12:58	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/05/21 12:58	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/05/21 12:58	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/05/21 12:58	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/05/21 12:58	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/05/21 12:58	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		01/05/21 12:58	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/05/21 12:58	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		01/05/21 12:58	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/05/21 12:58	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/05/21 12:58	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/05/21 12:58	75-25-2	1c
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		01/05/21 12:58	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/05/21 12:58	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/05/21 12:58	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		01/05/21 12:58	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/05/21 12:58	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/05/21 12:58	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/05/21 12:58	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/05/21 12:58	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/05/21 12:58	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		01/05/21 12:58	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		01/05/21 12:58	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/05/21 12:58	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/05/21 12:58	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		01/05/21 12:58	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		01/05/21 12:58	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/05/21 12:58	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		01/05/21 12:58	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/05/21 12:58	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/05/21 12:58	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/05/21 12:58	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/05/21 12:58	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		01/05/21 12:58	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/05/21 12:58	156-59-2	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399213

Sample: Trip Blank **Lab ID: 30399213001** Collected: 12/30/20 00:01 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/05/21 12:58	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/05/21 12:58	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/05/21 12:58	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/05/21 12:58	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%.	70-130		1		01/05/21 12:58	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%.	70-130		1		01/05/21 12:58	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		01/05/21 12:58	2037-26-5	
Dibromofluoromethane (S)	101	%.	70-130		1		01/05/21 12:58	1868-53-7	

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399213

Sample: CO56-PZP001 **Lab ID: 30399213002** Collected: 12/30/20 09:25 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		01/05/21 17:31	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		01/05/21 17:31	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		01/05/21 17:31	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		01/05/21 17:31	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		01/05/21 17:31	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		01/05/21 17:31	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		01/05/21 17:31	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		01/05/21 17:31	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		01/05/21 17:31	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		01/05/21 17:31	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		01/05/21 17:31	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		01/05/21 17:31	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		01/05/21 17:31	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		01/05/21 17:31	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		01/05/21 17:31	591-78-6	
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		01/05/21 17:31	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		01/05/21 17:31	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		01/05/21 17:31	107-13-1	
Benzene	**255**	ug/L	5.0	1.7	5		01/05/21 17:31	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		01/05/21 17:31	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		01/05/21 17:31	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		01/05/21 17:31	75-25-2	1c
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		01/05/21 17:31	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		01/05/21 17:31	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		01/05/21 17:31	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		01/05/21 17:31	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		01/05/21 17:31	75-00-3	
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		01/05/21 17:31	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		01/05/21 17:31	74-87-3	
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		01/05/21 17:31	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		01/05/21 17:31	74-95-3	
Ethylbenzene	**10.7**	ug/L	5.0	2.0	5		01/05/21 17:31	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		01/05/21 17:31	74-88-4	CL
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		01/05/21 17:31	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		01/05/21 17:31	75-09-2	
Naphthalene	**2180**	ug/L	10.0	4.1	5		01/05/21 17:31	91-20-3	E
Styrene	**58.8**	ug/L	5.0	1.6	5		01/05/21 17:31	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		01/05/21 17:31	127-18-4	
Toluene	**95.5**	ug/L	5.0	1.6	5		01/05/21 17:31	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		01/05/21 17:31	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		01/05/21 17:31	75-69-4	
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		01/05/21 17:31	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		01/05/21 17:31	75-01-4	
Xylene (Total)	**235**	ug/L	15.0	6.8	5		01/05/21 17:31	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		01/05/21 17:31	156-59-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399213

Sample: CO56-PZP001 **Lab ID: 30399213002** Collected: 12/30/20 09:25 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		01/05/21 17:31	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		01/05/21 17:31	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		01/05/21 17:31	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		01/05/21 17:31	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%.	70-130		5		01/05/21 17:31	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%.	70-130		5		01/05/21 17:31	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		5		01/05/21 17:31	2037-26-5	
Dibromofluoromethane (S)	98	%.	70-130		5		01/05/21 17:31	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399213

Sample: CO55-PZM000 **Lab ID: 30399213003** Collected: 12/30/20 10:00 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/05/21 13:48	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/05/21 13:48	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/05/21 13:48	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/05/21 13:48	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		01/05/21 13:48	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/05/21 13:48	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/05/21 13:48	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/05/21 13:48	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/05/21 13:48	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/05/21 13:48	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/05/21 13:48	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/05/21 13:48	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/05/21 13:48	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/05/21 13:48	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/05/21 13:48	591-78-6	ML
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/05/21 13:48	108-10-1	ML
Acetone	**10.0 U**	ug/L	10.0	5.6	1		01/05/21 13:48	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/05/21 13:48	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		01/05/21 13:48	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/05/21 13:48	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/05/21 13:48	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/05/21 13:48	75-25-2	1c
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		01/05/21 13:48	74-83-9	R1
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/05/21 13:48	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/05/21 13:48	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		01/05/21 13:48	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/05/21 13:48	75-00-3	MH
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/05/21 13:48	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/05/21 13:48	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/05/21 13:48	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/05/21 13:48	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		01/05/21 13:48	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		01/05/21 13:48	74-88-4	1c
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/05/21 13:48	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/05/21 13:48	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		01/05/21 13:48	91-20-3	R1
Styrene	**1.0 U**	ug/L	1.0	0.33	1		01/05/21 13:48	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/05/21 13:48	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		01/05/21 13:48	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/05/21 13:48	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/05/21 13:48	75-69-4	MH
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/05/21 13:48	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/05/21 13:48	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		01/05/21 13:48	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/05/21 13:48	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399213

Sample: CO55-PZM000 **Lab ID: 30399213003** Collected: 12/30/20 10:00 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/05/21 13:48	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/05/21 13:48	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/05/21 13:48	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/05/21 13:48	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%.	70-130		1		01/05/21 13:48	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%.	70-130		1		01/05/21 13:48	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		01/05/21 13:48	2037-26-5	
Dibromofluoromethane (S)	103	%.	70-130		1		01/05/21 13:48	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399213

QC Batch: 429604
QC Batch Method: EPA 8260B
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30399213001, 30399213002, 30399213003

METHOD BLANK: 2075314 Matrix: Water
Associated Lab Samples: 30399213001, 30399213002, 30399213003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	01/05/21 12:33	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	01/05/21 12:33	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	01/05/21 12:33	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	01/05/21 12:33	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	01/05/21 12:33	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	01/05/21 12:33	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	01/05/21 12:33	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	01/05/21 12:33	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	01/05/21 12:33	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	01/05/21 12:33	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	01/05/21 12:33	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	01/05/21 12:33	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	01/05/21 12:33	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	01/05/21 12:33	
2-Hexanone	ug/L	10.0 U	10.0	0.58	01/05/21 12:33	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	01/05/21 12:33	
Acetone	ug/L	10.0 U	10.0	5.6	01/05/21 12:33	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	01/05/21 12:33	
Benzene	ug/L	1.0 U	1.0	0.34	01/05/21 12:33	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	01/05/21 12:33	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	01/05/21 12:33	
Bromoform	ug/L	1.0 U	1.0	0.56	01/05/21 12:33	1c
Bromomethane	ug/L	1.0 U	1.0	0.73	01/05/21 12:33	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	01/05/21 12:33	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	01/05/21 12:33	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	01/05/21 12:33	
Chloroethane	ug/L	1.0 U	1.0	0.64	01/05/21 12:33	
Chloroform	ug/L	1.0 U	1.0	0.39	01/05/21 12:33	
Chloromethane	ug/L	1.0 U	1.0	0.40	01/05/21 12:33	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	01/05/21 12:33	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	01/05/21 12:33	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	01/05/21 12:33	
Dibromomethane	ug/L	1.0 U	1.0	0.34	01/05/21 12:33	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	01/05/21 12:33	
Iodomethane	ug/L	50.0 U	50.0	0.52	01/05/21 12:33	CL
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	01/05/21 12:33	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	01/05/21 12:33	
Naphthalene	ug/L	2.0 U	2.0	0.82	01/05/21 12:33	
Styrene	ug/L	1.0 U	1.0	0.33	01/05/21 12:33	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	01/05/21 12:33	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399213

METHOD BLANK: 2075314 Matrix: Water
Associated Lab Samples: 30399213001, 30399213002, 30399213003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	01/05/21 12:33	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	01/05/21 12:33	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	01/05/21 12:33	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	01/05/21 12:33	
Trichloroethene	ug/L	1.0 U	1.0	0.29	01/05/21 12:33	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	01/05/21 12:33	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	01/05/21 12:33	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	01/05/21 12:33	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	01/05/21 12:33	
1,2-Dichloroethane-d4 (S)	%.	108	70-130		01/05/21 12:33	
4-Bromofluorobenzene (S)	%.	104	70-130		01/05/21 12:33	
Dibromofluoromethane (S)	%.	108	70-130		01/05/21 12:33	
Toluene-d8 (S)	%.	100	70-130		01/05/21 12:33	

LABORATORY CONTROL SAMPLE: 2075315

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.8	104	70-130	
1,1,1-Trichloroethane	ug/L	20	22.9	114	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.9	104	70-130	
1,1,2-Trichloroethane	ug/L	20	20.4	102	70-130	
1,1-Dichloroethane	ug/L	20	20.3	101	70-130	
1,1-Dichloroethene	ug/L	20	18.3	91	70-130	
1,2,3-Trichloropropane	ug/L	20	20.5	102	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	21.5	108	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	20.8	104	70-130	
1,2-Dichlorobenzene	ug/L	20	21.1	105	70-130	
1,2-Dichloroethane	ug/L	20	20.7	103	70-130	
1,2-Dichloropropane	ug/L	20	21.4	107	70-130	
1,4-Dichlorobenzene	ug/L	20	20.8	104	70-130	
2-Butanone (MEK)	ug/L	20	20.5	102	70-130	
2-Hexanone	ug/L	20	19.6	98	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	20.3	102	70-130	
Acetone	ug/L	20	21.6	108	67-173	
Acrylonitrile	ug/L	20	16.2	81	56-147	
Benzene	ug/L	20	20.3	101	70-130	
Bromochloromethane	ug/L	20	21.0	105	70-130	
Bromodichloromethane	ug/L	20	22.0	110	70-130	
Bromoform	ug/L	20	18.7	93	63-119	1c
Bromomethane	ug/L	20	22.6	113	24-159	
Carbon disulfide	ug/L	20	21.4	107	57-132	
Carbon tetrachloride	ug/L	20	21.5	107	70-130	
Chlorobenzene	ug/L	20	21.7	108	70-130	
Chloroethane	ug/L	20	21.5	108	62-145	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399213

LABORATORY CONTROL SAMPLE: 2075315

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	20	19.6	98	70-130	
Chloromethane	ug/L	20	19.8	99	66-140	
cis-1,2-Dichloroethene	ug/L	20	19.8	99	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.2	106	70-130	
Dibromochloromethane	ug/L	20	20.7	104	70-130	
Dibromomethane	ug/L	20	19.2	96	70-130	
Ethylbenzene	ug/L	20	21.9	109	70-130	
Iodomethane	ug/L	20	11.4J	57	10-175	CL
Methyl-tert-butyl ether	ug/L	20	20.3	101	70-130	
Methylene Chloride	ug/L	20	20.5	103	70-130	
Naphthalene	ug/L	20	29.8	149	55-160	
Styrene	ug/L	20	22.3	111	70-130	
Tetrachloroethene	ug/L	20	21.3	107	70-130	
Toluene	ug/L	20	21.1	106	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.4	97	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.8	104	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	19.8	99	48-131	
Trichloroethene	ug/L	20	21.5	107	70-130	
Trichlorofluoromethane	ug/L	20	22.1	110	70-130	
Vinyl acetate	ug/L	20	21.2	106	33-128	
Vinyl chloride	ug/L	20	22.5	113	70-130	
Xylene (Total)	ug/L	60	64.1	107	70-130	
1,2-Dichloroethane-d4 (S)	%.			98	70-130	
4-Bromofluorobenzene (S)	%.			100	70-130	
Dibromofluoromethane (S)	%.			99	70-130	
Toluene-d8 (S)	%.			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2076079 2076080

Parameter	Units	30399213003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	20	20	16.7	17.8	84	89	59-117	6	30	
1,1,1-Trichloroethane	ug/L	1.0 U	20	20	20.3	20.6	102	103	55-146	1	30	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	20	20	17.1	18.3	85	91	55-118	7	30	
1,1,2-Trichloroethane	ug/L	1.0 U	20	20	17.6	18.8	88	94	61-122	7	30	
1,1-Dichloroethane	ug/L	1.0 U	20	20	17.5	17.9	88	89	59-130	2	30	
1,1-Dichloroethene	ug/L	1.0 U	20	20	15.3	16.0	77	80	52-119	4	30	
1,2,3-Trichloropropane	ug/L	1.0 U	20	20	17.5	17.9	87	90	59-117	3	30	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	20	20	13.0	14.0	65	70	32-112	7	30	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	20	20	16.7	17.6	84	88	61-116	5	30	
1,2-Dichlorobenzene	ug/L	1.0 U	20	20	15.8	17.3	79	87	58-126	9	30	
1,2-Dichloroethane	ug/L	1.0 U	20	20	16.8	17.3	84	86	49-135	3	30	
1,2-Dichloropropane	ug/L	1.0 U	20	20	16.5	17.5	82	88	67-121	6	30	
1,4-Dichlorobenzene	ug/L	1.0 U	20	20	15.9	17.2	79	86	60-121	8	30	

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REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399213

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2076079 2076080

Parameter	Units	30399213003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	10.0 U	20	20	12.3	13.5	61	67	59-138	10	30	
2-Hexanone	ug/L	10.0 U	20	20	9.4J	11.5	47	58	66-123		30	ML
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	20	20	10.3	12.3	52	62	70-130	17	30	ML
Acetone	ug/L	10.0 U	20	20	20.4	21.5	102	107	57-140	5	30	
Acrylonitrile	ug/L	4.0 U	20	20	11.3	14.3	57	72	47-134	24	30	
Benzene	ug/L	1.0 U	20	20	17.7	18.0	88	90	50-149	2	30	
Bromochloromethane	ug/L	1.0 U	20	20	17.8	18.5	89	92	63-120	4	30	
Bromodichloromethane	ug/L	1.0 U	20	20	18.0	18.6	90	93	46-131	3	30	
Bromoform	ug/L	1.0 U	20	20	15.6	15.5	78	77	30-119	1	30	
Bromomethane	ug/L	1.0 U	20	20	11.0	15.1	55	76	10-163	32	30	1c,R1
Carbon disulfide	ug/L	1.0 U	20	20	17.3	19.1	86	96	41-116	10	30	
Carbon tetrachloride	ug/L	1.0 U	20	20	18.4	18.8	92	94	55-119	3	30	
Chlorobenzene	ug/L	1.0 U	20	20	17.1	18.1	85	90	66-124	6	30	
Chloroethane	ug/L	1.0 U	20	20	36.5	32.5	183	162	45-162	12	30	1c,CH, MH
Chloroform	ug/L	1.0 U	20	20	17.8	18.0	89	90	56-123	1	30	
Chloromethane	ug/L	1.0 U	20	20	16.4	16.1	82	81	49-150	2	30	1c
cis-1,2-Dichloroethene	ug/L	1.0 U	20	20	15.0	16.0	75	80	63-116	7	30	
cis-1,3-Dichloropropene	ug/L	1.0 U	20	20	13.2	13.8	66	69	46-119	4	30	
Dibromochloromethane	ug/L	1.0 U	20	20	16.5	17.6	82	88	42-120	7	30	
Dibromomethane	ug/L	1.0 U	20	20	15.8	16.4	79	82	55-117	3	30	
Ethylbenzene	ug/L	1.0 U	20	20	16.3	17.5	82	88	63-135	7	30	
Iodomethane	ug/L	50.0 U	20	20	7.1J	12.7J	35	63	10-175		30	IH
Methyl-tert-butyl ether	ug/L	1.0 U	20	20	13.6	15.6	68	78	53-123	14	30	
Methylene Chloride	ug/L	1.0 U	20	20	15.2	16.1	76	81	57-132	6	30	
Naphthalene	ug/L	2.0 U	20	20	12.0	19.2	60	96	30-157	46	30	R1
Styrene	ug/L	1.0 U	20	20	13.9	14.8	69	74	58-130	6	30	
Tetrachloroethene	ug/L	1.0 U	20	20	17.2	18.5	86	92	61-132	7	30	
Toluene	ug/L	1.0 U	20	20	17.2	17.9	86	89	59-139	4	30	
trans-1,2-Dichloroethene	ug/L	1.0 U	20	20	15.5	16.5	78	82	60-124	6	30	
trans-1,3-Dichloropropene	ug/L	1.0 U	20	20	14.6	15.8	73	79	48-121	8	30	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	20	5.6	6.6	28	33	10-111	17	30	
Trichloroethene	ug/L	1.0 U	20	20	17.1	17.7	86	89	63-128	4	30	
Trichlorofluoromethane	ug/L	1.0 U	20	20	30.6	29.3	153	147	70-152	4	30	CH,MH
Vinyl acetate	ug/L	1.0 U	20	20	9.6	9.5	48	48	23-102	1	30	
Vinyl chloride	ug/L	1.0 U	20	20	21.3	21.3	107	106	67-141	0	30	
Xylene (Total)	ug/L	3.0 U	60	60	45.9	49.5	76	83	63-135	8	30	
1,2-Dichloroethane-d4 (S)	%.						111	106	70-130			
4-Bromofluorobenzene (S)	%.						94	97	70-130			
Dibromofluoromethane (S)	%.						107	104	70-130			
Toluene-d8 (S)	%.						97	98	70-130			

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30399213

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1c	The read back of the low concentration calibration standard for this compound is not within 30% of the true value. The results may be biased high and should be considered estimated.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30399213

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30399213001	**Trip Blank**	EPA 8260B	429604		
30399213002	**CO56-PZP001**	EPA 8260B	429604		
30399213003	**CO55-PZM000**	EPA 8260B	429604		

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CHAIN-OF-CUSTODY / Analytical Request

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be com

WO# : 30399213

30399213

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Tradepoint Atlantic	Report To:	Matt Newman	Attention:	Matt Newman
Address:	1600 Sparrows Point Blvd	Copy To:	Stew Kabis	Company Name:	Tradepoint Atlantic
	Sparrows Point, MD 21219			Address:	1600 Sparrows Point Blvd Sparrows Point, Md 21219
Email To:		PO Number:		Pace Quote Reference:	
Phone:	Fax:	Project Name:	COA IM GW Sampling	Pace Project Manager:	Samantha Bayura
Requested Due Date/TAT:	5 day	Project Number:		Pace Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: MD

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Other	DI Water	Analysis Test Y/N	VOC + Napth by 8260	Pace Project No./ Lab I.D.
1	Trip Blank	WT	G			12/30/20	—		2				2						X	001
2	C056-PZP001	WT	G			12/30/20	0935		3				3						X	002
3	C055-PZM000	WT	G			12/30/20	1000		3				3						X	003
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Sample Conditions		
Data Package Required? (Y/N):	[illegible] /ARM	12/30/20	1620	[illegible] /Pac	12/30/20	1620			
Data Validation Required? (Y/N):	[illegible] /PAC	12/30/20	1830	[illegible] FACE	12/30/20	1845	Y		
If data package is required, attach data package checklist.	[illegible] FACE	12/30/20	2215	[illegible]	12/30/2020	2215	Y	N	Y
							Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lauren Paler

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 12/30/20

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.06, 2-Feb-2007

Pittsburgh Lab Sample Condition Upon Receipt

30399213

Pace Analytical

Client Name: TradepointAtl Project #

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other

Label

LIMS Login

Tracking #:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used 11 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 5.0 °C Correction Factor: -0.3 °C Final Temp: 4.7 °C

Temp should be above freezing to 6°C

pH paper Lot# 100110 1 Date and initials of person examining contents: 12/30/2020 SW

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:	✓			8.
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓ ✓			10.
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: (VOA), coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix			✓	16.
All containers meet method preservation requirements.	✓			Initial when completed SW Date/time of preservation
				Lot # of added preservative
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:	✓			18.
Trip Blank Custody Seals Present	✓			
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed: SW Date:

Client Notification/ Resolution:

Person Contacted: Date/Time: Contacted By:

Comments/ Resolution:

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

January 06, 2021

Mr. Matthew Newman
Tradepoint Atlantic
1600 Sparrow's Point Boulevard
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30399216

Dear Mr. Newman:

Enclosed are the analytical results for sample(s) received by the laboratory on December 30, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

cc: Ms. Penny Gardner, Environmental Data Quality, Inc.
J.Price, ARM Group Inc.
Mr. Stewart Kabis, ARM Group Inc.
Mr. Eric S. Magdar, ARM Group Inc.
Ms. Shawne M. Rodgers, Environmental Data Quality, Inc.

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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30399216

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30399216

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30399216001	**Trip Blank**	Water	12/16/20 00:01	12/30/20 22:15
30399216002	**CO30-PZM015**	Water	12/16/20 13:05	12/30/20 22:15
30399216003	**CO30-PZM060**	Water	12/16/20 14:10	12/30/20 22:15
30399216004	**CO104-PZMXXX**	Water	12/16/20 15:00	12/30/20 22:15

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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30399216

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30399216001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30399216002	**CO30-PZM015**	EPA 8260B	LEL	53	PASI-PA
30399216003	**CO30-PZM060**	EPA 8260B	LEL	53	PASI-PA
30399216004	**CO104-PZMXXX**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399216

Sample: Trip Blank **Lab ID: 30399216001** Collected: 12/16/20 00:01 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		12/31/20 12:35	630-20-6	H1
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 12:35	71-55-6	H1
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		12/31/20 12:35	79-34-5	H1
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 12:35	79-00-5	H1
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		12/31/20 12:35	75-34-3	H1
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		12/31/20 12:35	75-35-4	H1
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		12/31/20 12:35	96-18-4	H1
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		12/31/20 12:35	96-12-8	H1
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		12/31/20 12:35	106-93-4	H1
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 12:35	95-50-1	H1
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 12:35	107-06-2	H1
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		12/31/20 12:35	78-87-5	H1
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		12/31/20 12:35	106-46-7	H1
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		12/31/20 12:35	78-93-3	H1
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		12/31/20 12:35	591-78-6	H1,L2
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		12/31/20 12:35	108-10-1	H1,L2
Acetone	**10.0 U**	ug/L	10.0	5.6	1		12/31/20 12:35	67-64-1	H1
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		12/31/20 12:35	107-13-1	H1
Benzene	**1.0 U**	ug/L	1.0	0.34	1		12/31/20 12:35	71-43-2	H1
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		12/31/20 12:35	74-97-5	H1
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		12/31/20 12:35	75-27-4	H1
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		12/31/20 12:35	75-25-2	H1
Bromomethane	**1.3**	ug/L	1.0	0.73	1		12/31/20 12:35	74-83-9	1c,H1
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 12:35	75-15-0	H1
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		12/31/20 12:35	56-23-5	H1
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		12/31/20 12:35	108-90-7	H1
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		12/31/20 12:35	75-00-3	1c,CH,H1,L1
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		12/31/20 12:35	67-66-3	H1
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		12/31/20 12:35	74-87-3	1c,H1
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		12/31/20 12:35	124-48-1	H1
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		12/31/20 12:35	74-95-3	H1
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		12/31/20 12:35	100-41-4	H1
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		12/31/20 12:35	74-88-4	H1,IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		12/31/20 12:35	1634-04-4	H1
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		12/31/20 12:35	75-09-2	H1
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		12/31/20 12:35	91-20-3	H1
Styrene	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 12:35	100-42-5	H1
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		12/31/20 12:35	127-18-4	H1
Toluene	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 12:35	108-88-3	H1
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 12:35	79-01-6	H1
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		12/31/20 12:35	75-69-4	CH,H1,L1
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		12/31/20 12:35	108-05-4	H1
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 12:35	75-01-4	H1
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		12/31/20 12:35	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399216

Sample: Trip Blank **Lab ID: 30399216001** Collected: 12/16/20 00:01 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 12:35	156-59-2	H1
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 12:35	10061-01-5	H1
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		12/31/20 12:35	156-60-5	H1
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 12:35	10061-02-6	H1
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		12/31/20 12:35	110-57-6	H1
Surrogates									
4-Bromofluorobenzene (S)	97	%.	70-130		1		12/31/20 12:35	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%.	70-130		1		12/31/20 12:35	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		1		12/31/20 12:35	2037-26-5	
Dibromofluoromethane (S)	118	%.	70-130		1		12/31/20 12:35	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399216

Sample: CO30-PZM015 **Lab ID: 30399216002** Collected: 12/16/20 13:05 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		12/31/20 16:27	630-20-6	H1
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		12/31/20 16:27	71-55-6	H1
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		12/31/20 16:27	79-34-5	H1
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		12/31/20 16:27	79-00-5	H1
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		12/31/20 16:27	75-34-3	H1
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		12/31/20 16:27	75-35-4	H1
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		12/31/20 16:27	96-18-4	H1
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		12/31/20 16:27	96-12-8	H1
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		12/31/20 16:27	106-93-4	H1
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		12/31/20 16:27	95-50-1	H1
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 16:27	107-06-2	H1
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 16:27	78-87-5	H1
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		12/31/20 16:27	106-46-7	H1
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		12/31/20 16:27	78-93-3	H1
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		12/31/20 16:27	591-78-6	H1,L2
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		12/31/20 16:27	108-10-1	H1,L2
Acetone	**35.0J**	ug/L	50.0	28.0	5		12/31/20 16:27	67-64-1	H1
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		12/31/20 16:27	107-13-1	H1
Benzene	**75800**	ug/L	500	169	500		12/31/20 16:53	71-43-2	H1
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		12/31/20 16:27	74-97-5	H1
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		12/31/20 16:27	75-27-4	H1
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		12/31/20 16:27	75-25-2	H1
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		12/31/20 16:27	74-83-9	1c,H1
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 16:27	75-15-0	H1
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		12/31/20 16:27	56-23-5	H1
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		12/31/20 16:27	108-90-7	H1
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		12/31/20 16:27	75-00-3	1c,CH,H1,L1
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		12/31/20 16:27	67-66-3	H1
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		12/31/20 16:27	74-87-3	1c,H1
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		12/31/20 16:27	124-48-1	H1
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		12/31/20 16:27	74-95-3	H1
Ethylbenzene	**130**	ug/L	5.0	2.0	5		12/31/20 16:27	100-41-4	H1
Iodomethane	**250 U**	ug/L	250	2.6	5		12/31/20 16:27	74-88-4	H1,IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		12/31/20 16:27	1634-04-4	H1
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		12/31/20 16:27	75-09-2	H1
Naphthalene	**3130**	ug/L	1000	410	500		12/31/20 16:53	91-20-3	H1
Styrene	**14.7**	ug/L	5.0	1.6	5		12/31/20 16:27	100-42-5	H1
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		12/31/20 16:27	127-18-4	H1
Toluene	**5550**	ug/L	500	158	500		12/31/20 16:53	108-88-3	H1
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		12/31/20 16:27	79-01-6	H1
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		12/31/20 16:27	75-69-4	CH,H1,L1
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		12/31/20 16:27	108-05-4	H1
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 16:27	75-01-4	H1
Xylene (Total)	**1910**	ug/L	15.0	6.8	5		12/31/20 16:27	1330-20-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399216

Sample: CO30-PZM015 **Lab ID: 30399216002** Collected: 12/16/20 13:05 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		12/31/20 16:27	156-59-2	H1
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 16:27	10061-01-5	H1
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 16:27	156-60-5	H1
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 16:27	10061-02-6	H1
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		12/31/20 16:27	110-57-6	H1
Surrogates									
4-Bromofluorobenzene (S)	112	%.	70-130		5		12/31/20 16:27	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%.	70-130		5		12/31/20 16:27	17060-07-0	
Toluene-d8 (S)	96	%.	70-130		5		12/31/20 16:27	2037-26-5	
Dibromofluoromethane (S)	94	%.	70-130		5		12/31/20 16:27	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399216

Sample: CO30-PZM060 **Lab ID: 30399216003** Collected: 12/16/20 14:10 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		12/31/20 13:53	630-20-6	H1
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 13:53	71-55-6	H1
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		12/31/20 13:53	79-34-5	H1
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 13:53	79-00-5	H1
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		12/31/20 13:53	75-34-3	H1
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		12/31/20 13:53	75-35-4	H1
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		12/31/20 13:53	96-18-4	H1
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		12/31/20 13:53	96-12-8	H1
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		12/31/20 13:53	106-93-4	H1
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 13:53	95-50-1	H1
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 13:53	107-06-2	H1
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		12/31/20 13:53	78-87-5	H1
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		12/31/20 13:53	106-46-7	H1
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		12/31/20 13:53	78-93-3	H1
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		12/31/20 13:53	591-78-6	H1,L2
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		12/31/20 13:53	108-10-1	H1,L2
Acetone	**10.0 U**	ug/L	10.0	5.6	1		12/31/20 13:53	67-64-1	H1
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		12/31/20 13:53	107-13-1	H1
Benzene	**19.5**	ug/L	1.0	0.34	1		12/31/20 13:53	71-43-2	H1
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		12/31/20 13:53	74-97-5	H1
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		12/31/20 13:53	75-27-4	H1
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		12/31/20 13:53	75-25-2	H1
Bromomethane	**0.77J**	ug/L	1.0	0.73	1		12/31/20 13:53	74-83-9	1c,H1
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 13:53	75-15-0	H1
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		12/31/20 13:53	56-23-5	H1
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		12/31/20 13:53	108-90-7	H1
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		12/31/20 13:53	75-00-3	1c,CH,H1,L1
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		12/31/20 13:53	67-66-3	H1
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		12/31/20 13:53	74-87-3	1c,H1
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		12/31/20 13:53	124-48-1	H1
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		12/31/20 13:53	74-95-3	H1
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		12/31/20 13:53	100-41-4	H1
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		12/31/20 13:53	74-88-4	H1,IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		12/31/20 13:53	1634-04-4	H1
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		12/31/20 13:53	75-09-2	H1
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		12/31/20 13:53	91-20-3	H1
Styrene	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 13:53	100-42-5	H1
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		12/31/20 13:53	127-18-4	H1
Toluene	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 13:53	108-88-3	H1
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 13:53	79-01-6	H1
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		12/31/20 13:53	75-69-4	CH,H1,L1
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		12/31/20 13:53	108-05-4	H1
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 13:53	75-01-4	H1
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		12/31/20 13:53	1330-20-7	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399216

Sample: CO30-PZM060 **Lab ID: 30399216003** Collected: 12/16/20 14:10 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 13:53	156-59-2	H1
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 13:53	10061-01-5	H1
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		12/31/20 13:53	156-60-5	H1
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 13:53	10061-02-6	H1
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		12/31/20 13:53	110-57-6	H1
Surrogates									
4-Bromofluorobenzene (S)	95	%.	70-130		1		12/31/20 13:53	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%.	70-130		1		12/31/20 13:53	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		1		12/31/20 13:53	2037-26-5	
Dibromofluoromethane (S)	121	%.	70-130		1		12/31/20 13:53	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399216

Sample: CO104-PZMXXX **Lab ID: 30399216004** Collected: 12/16/20 15:00 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		12/31/20 13:27	630-20-6	H1
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 13:27	71-55-6	H1
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		12/31/20 13:27	79-34-5	H1
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 13:27	79-00-5	H1
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		12/31/20 13:27	75-34-3	H1
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		12/31/20 13:27	75-35-4	H1
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		12/31/20 13:27	96-18-4	H1
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		12/31/20 13:27	96-12-8	H1
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		12/31/20 13:27	106-93-4	H1
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 13:27	95-50-1	H1
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 13:27	107-06-2	H1
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		12/31/20 13:27	78-87-5	H1
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		12/31/20 13:27	106-46-7	H1
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		12/31/20 13:27	78-93-3	H1
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		12/31/20 13:27	591-78-6	H1,L2
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		12/31/20 13:27	108-10-1	H1,L2
Acetone	**10.0 U**	ug/L	10.0	5.6	1		12/31/20 13:27	67-64-1	H1
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		12/31/20 13:27	107-13-1	H1
Benzene	**4.3**	ug/L	1.0	0.34	1		12/31/20 13:27	71-43-2	H1
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		12/31/20 13:27	74-97-5	H1
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		12/31/20 13:27	75-27-4	H1
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		12/31/20 13:27	75-25-2	H1
Bromomethane	**2.1**	ug/L	1.0	0.73	1		12/31/20 13:27	74-83-9	1c,H1
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 13:27	75-15-0	H1
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		12/31/20 13:27	56-23-5	H1
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		12/31/20 13:27	108-90-7	H1
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		12/31/20 13:27	75-00-3	1c,CH,H1,L1
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		12/31/20 13:27	67-66-3	H1
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		12/31/20 13:27	74-87-3	1c,H1
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		12/31/20 13:27	124-48-1	H1
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		12/31/20 13:27	74-95-3	H1
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		12/31/20 13:27	100-41-4	H1
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		12/31/20 13:27	74-88-4	H1,IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		12/31/20 13:27	1634-04-4	H1
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		12/31/20 13:27	75-09-2	H1
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		12/31/20 13:27	91-20-3	H1
Styrene	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 13:27	100-42-5	H1
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		12/31/20 13:27	127-18-4	H1
Toluene	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 13:27	108-88-3	H1
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 13:27	79-01-6	H1
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		12/31/20 13:27	75-69-4	CH,H1,L1
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		12/31/20 13:27	108-05-4	H1
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 13:27	75-01-4	H1
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		12/31/20 13:27	1330-20-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399216

Sample: CO104-PZMXXX **Lab ID: 30399216004** Collected: 12/16/20 15:00 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 13:27	156-59-2	H1
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 13:27	10061-01-5	H1
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		12/31/20 13:27	156-60-5	H1
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 13:27	10061-02-6	H1
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		12/31/20 13:27	110-57-6	H1
Surrogates									
4-Bromofluorobenzene (S)	98	%.	70-130		1		12/31/20 13:27	460-00-4	
1,2-Dichloroethane-d4 (S)	116	%.	70-130		1		12/31/20 13:27	17060-07-0	
Toluene-d8 (S)	96	%.	70-130		1		12/31/20 13:27	2037-26-5	
Dibromofluoromethane (S)	122	%.	70-130		1		12/31/20 13:27	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399216

QC Batch: 429320 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30399216001, 30399216002, 30399216003, 30399216004

METHOD BLANK: 2073965 Matrix: Water
Associated Lab Samples: 30399216001, 30399216002, 30399216003, 30399216004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	12/31/20 12:09	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	12/31/20 12:09	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	12/31/20 12:09	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	12/31/20 12:09	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	12/31/20 12:09	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	12/31/20 12:09	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	12/31/20 12:09	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	12/31/20 12:09	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	12/31/20 12:09	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	12/31/20 12:09	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	12/31/20 12:09	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	12/31/20 12:09	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	12/31/20 12:09	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	12/31/20 12:09	
2-Hexanone	ug/L	10.0 U	10.0	0.58	12/31/20 12:09	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	12/31/20 12:09	
Acetone	ug/L	10.0 U	10.0	5.6	12/31/20 12:09	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	12/31/20 12:09	
Benzene	ug/L	1.0 U	1.0	0.34	12/31/20 12:09	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	12/31/20 12:09	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	12/31/20 12:09	
Bromoform	ug/L	1.0 U	1.0	0.56	12/31/20 12:09	
Bromomethane	ug/L	0.85J	1.0	0.73	12/31/20 12:09	1c
Carbon disulfide	ug/L	1.0 U	1.0	0.32	12/31/20 12:09	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	12/31/20 12:09	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	12/31/20 12:09	
Chloroethane	ug/L	1.0 U	1.0	0.64	12/31/20 12:09	1c,CH
Chloroform	ug/L	1.0 U	1.0	0.39	12/31/20 12:09	
Chloromethane	ug/L	1.0 U	1.0	0.40	12/31/20 12:09	1c
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	12/31/20 12:09	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	12/31/20 12:09	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	12/31/20 12:09	
Dibromomethane	ug/L	1.0 U	1.0	0.34	12/31/20 12:09	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	12/31/20 12:09	
Iodomethane	ug/L	50.0 U	50.0	0.52	12/31/20 12:09	IH
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	12/31/20 12:09	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	12/31/20 12:09	
Naphthalene	ug/L	2.0 U	2.0	0.82	12/31/20 12:09	
Styrene	ug/L	1.0 U	1.0	0.33	12/31/20 12:09	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	12/31/20 12:09	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399216

METHOD BLANK: 2073965 Matrix: Water
Associated Lab Samples: 30399216001, 30399216002, 30399216003, 30399216004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	12/31/20 12:09	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	12/31/20 12:09	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	12/31/20 12:09	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	12/31/20 12:09	
Trichloroethene	ug/L	1.0 U	1.0	0.29	12/31/20 12:09	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	12/31/20 12:09	CH
Vinyl acetate	ug/L	1.0 U	1.0	0.57	12/31/20 12:09	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	12/31/20 12:09	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	12/31/20 12:09	
1,2-Dichloroethane-d4 (S)	%.	111	70-130		12/31/20 12:09	
4-Bromofluorobenzene (S)	%.	99	70-130		12/31/20 12:09	
Dibromofluoromethane (S)	%.	116	70-130		12/31/20 12:09	
Toluene-d8 (S)	%.	96	70-130		12/31/20 12:09	

LABORATORY CONTROL SAMPLE: 2073966

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.8	104	70-130	
1,1,1-Trichloroethane	ug/L	20	24.1	121	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.8	104	70-130	
1,1,2-Trichloroethane	ug/L	20	21.0	105	70-130	
1,1-Dichloroethane	ug/L	20	20.8	104	70-130	
1,1-Dichloroethene	ug/L	20	20.7	103	70-130	
1,2,3-Trichloropropane	ug/L	20	20.9	105	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	17.3	86	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	20.1	100	70-130	
1,2-Dichlorobenzene	ug/L	20	21.3	106	70-130	
1,2-Dichloroethane	ug/L	20	20.1	101	70-130	
1,2-Dichloropropane	ug/L	20	19.9	100	70-130	
1,4-Dichlorobenzene	ug/L	20	21.8	109	70-130	
2-Butanone (MEK)	ug/L	20	15.0	75	70-130	
2-Hexanone	ug/L	20	11.4	57	70-130	L2
4-Methyl-2-pentanone (MIBK)	ug/L	20	12.4	62	70-130	L2
Acetone	ug/L	20	18.9	95	67-173	
Acrylonitrile	ug/L	20	15.1	75	56-147	
Benzene	ug/L	20	20.9	105	70-130	
Bromochloromethane	ug/L	20	22.3	112	70-130	
Bromodichloromethane	ug/L	20	22.5	113	70-130	
Bromoform	ug/L	20	20.1	100	63-119	
Bromomethane	ug/L	20	25.4	127	24-159	1c
Carbon disulfide	ug/L	20	17.9	89	57-132	
Carbon tetrachloride	ug/L	20	22.9	115	70-130	
Chlorobenzene	ug/L	20	21.1	106	70-130	
Chloroethane	ug/L	20	39.7	198	62-145	1c,CH,L1

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399216

LABORATORY CONTROL SAMPLE: 2073966

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	20	21.1	105	70-130	
Chloromethane	ug/L	20	15.4	77	66-140	1c
cis-1,2-Dichloroethene	ug/L	20	17.4	87	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.3	97	70-130	
Dibromochloromethane	ug/L	20	21.4	107	70-130	
Dibromomethane	ug/L	20	20.9	104	70-130	
Ethylbenzene	ug/L	20	21.4	107	70-130	
Iodomethane	ug/L	20	14.3J	72	10-175	IH
Methyl-tert-butyl ether	ug/L	20	16.2	81	70-130	
Methylene Chloride	ug/L	20	18.2	91	70-130	
Naphthalene	ug/L	20	17.3	86	55-160	
Styrene	ug/L	20	19.9	100	70-130	
Tetrachloroethene	ug/L	20	23.4	117	70-130	
Toluene	ug/L	20	20.6	103	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.7	99	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.0	100	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	13.9	69	48-131	
Trichloroethene	ug/L	20	22.7	114	70-130	
Trichlorofluoromethane	ug/L	20	37.4	187	70-130	CH,L1
Vinyl acetate	ug/L	20	15.4	77	33-128	
Vinyl chloride	ug/L	20	21.5	108	70-130	
Xylene (Total)	ug/L	60	60.7	101	70-130	
1,2-Dichloroethane-d4 (S)	%.			101	70-130	
4-Bromofluorobenzene (S)	%.			95	70-130	
Dibromofluoromethane (S)	%.			105	70-130	
Toluene-d8 (S)	%.			95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2073967 2073968

Parameter	Units	30398234005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	19.1	20.7	96	103	59-117	8	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	18.4	19.0	92	95	55-146	3	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20.3	21.7	101	109	55-118	7	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	20.8	21.8	104	109	61-122	5	30	
1,1-Dichloroethane	ug/L	ND	20	20	15.3	16.1	76	81	59-130	5	30	
1,1-Dichloroethene	ug/L	ND	20	20	11.9	12.2	59	61	52-119	3	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	20.4	21.3	102	106	59-117	4	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	15.8	16.4	79	82	32-112	4	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	18.8	19.8	94	99	61-116	5	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	18.6	19.9	93	99	58-126	7	30	
1,2-Dichloroethane	ug/L	ND	20	20	16.4	18.1	82	91	49-135	10	30	
1,2-Dichloropropane	ug/L	ND	20	20	16.5	18.1	83	91	67-121	9	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	18.8	19.9	94	99	60-121	5	30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399216

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2073967 2073968

Parameter	Units	30398234005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	ND	20	20	13.8	15.2	69	76	59-138	10	30	
2-Hexanone	ug/L	ND	20	20	10.6	11.1	53	56	66-123	5	30	ML
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	11.8	12.5	59	63	70-130	6	30	ML
Acetone	ug/L	ND	20	20	23.0	23.0	90	89	57-140	0	30	
Acrylonitrile	ug/L	ND	20	20	14.5	15.0	72	75	47-134	4	30	
Benzene	ug/L	ND	20	20	16.3	16.3	82	81	50-149	0	30	
Bromochloromethane	ug/L	ND	20	20	17.1	17.8	85	89	63-120	4	30	
Bromodichloromethane	ug/L	ND	20	20	19.6	21.3	98	107	46-131	8	30	
Bromoform	ug/L	ND	20	20	17.5	18.5	87	93	30-119	6	30	
Bromomethane	ug/L	1.1	20	20	21.8	24.5	104	117	10-163	12	30	1c
Carbon disulfide	ug/L	ND	20	20	18.2	18.9	91	95	41-116	4	30	
Carbon tetrachloride	ug/L	ND	20	20	16.9	18.3	84	92	55-119	8	30	
Chlorobenzene	ug/L	ND	20	20	19.2	20.1	96	101	66-124	5	30	
Chloroethane	ug/L	ND	20	20	42.3	40.4	211	202	45-162	4	30	1c,CH, MH
Chloroform	ug/L	ND	20	20	17.7	18.5	88	93	56-123	5	30	
Chloromethane	ug/L	ND	20	20	18.2	16.4	91	82	49-150	11	30	1c
cis-1,2-Dichloroethene	ug/L	ND	20	20	13.9	14.3	70	72	63-116	3	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	15.3	16.2	77	81	46-119	6	30	
Dibromochloromethane	ug/L	ND	20	20	19.1	20.6	95	103	42-120	8	30	
Dibromomethane	ug/L	ND	20	20	17.3	18.6	86	93	55-117	8	30	
Ethylbenzene	ug/L	ND	20	20	18.4	20.3	92	101	63-135	9	30	
Iodomethane	ug/L	ND	20	20	9.7J	11.8J	48	59	10-175		30	IH
Methyl-tert-butyl ether	ug/L	ND	20	20	15.5	16.6	77	83	53-123	7	30	
Methylene Chloride	ug/L	ND	20	20	13.6	14.4	68	72	57-132	6	30	
Naphthalene	ug/L	ND	20	20	14.9	15.3	74	77	30-157	3	30	
Styrene	ug/L	ND	20	20	17.3	18.6	87	93	58-130	7	30	
Tetrachloroethene	ug/L	ND	20	20	18.5	20.1	93	100	61-132	8	30	
Toluene	ug/L	ND	20	20	17.2	18.3	86	92	59-139	7	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	13.2	13.4	66	67	60-124	2	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	18.3	19.1	92	96	48-121	4	30	
trans-1,4-Dichloro-2-butene	ug/L	ND	20	20	10.4	11.3	52	57	10-111	8	30	
Trichloroethene	ug/L	ND	20	20	17.4	18.4	87	92	63-128	5	30	
Trichlorofluoromethane	ug/L	ND	20	20	39.0	36.4	195	182	70-152	7	30	CH,MH
Vinyl acetate	ug/L	ND	20	20	14.1	13.5	71	67	23-102	5	30	
Vinyl chloride	ug/L	ND	20	20	23.0	22.3	115	111	67-141	3	30	
Xylene (Total)	ug/L	ND	60	60	53.1	57.2	89	95	63-135	8	30	
1,2-Dichloroethane-d4 (S)	%.						109	106	70-130			
4-Bromofluorobenzene (S)	%.						92	92	70-130			
Dibromofluoromethane (S)	%.						108	108	70-130			
Toluene-d8 (S)	%.						95	96	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30399216

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1c	The read back of the low concentration calibration standard for this compound is not within 30% of the true value. The results may be biased high and should be considered estimated.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
H1	Analysis conducted outside the EPA method holding time.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30399216

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30399216001	**Trip Blank**	EPA 8260B	429320		
30399216002	**CO30-PZM015**	EPA 8260B	429320		
30399216003	**CO30-PZM060**	EPA 8260B	429320		
30399216004	**CO104-PZMXXX**	EPA 8260B	429320		

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CHAIN-OF-CUSTODY / Analytical Request Do[illegible]

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be complete[illegible]

WO# : 30399216

30399216

Section A
Required Client Information:

Company:	Tradepoint Atlantic
Address:	1600 Sparrows Point Blvd
	Sparrows Point, MD 21219
Email To:	
Phone:	Fax:
Requested Due Date/TAT:	5 day

Section B
Required Project Information:

Report To:	Matt Newman
Copy To:	Stew Kabis
PO Number:	
Project Name:	COA IM GW Sampling
Project Number:	

Section C
Invoice Information:

Attention:	Matt Newman
Company Name:	Tradepoint Atlantic
Address:	1600 Sparrows Point Blvd Sparrows Point, Md 21219
Pace Quote Reference:	
Pace Project Manager:	Samantha Bayura
Pace Profile #:	

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location
STATE: MD

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Other	DI Water	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: VOC + Napth by 8260	Pace Project No./ Lab I.D.
1	Trip Blank	WT	G			12-16-20	—		2				2						X	001
2	C030-PZM015	WT	G				1305		3				3						X	002
3	C030-PZM060	WT	G				1410		3				3						X	003
4	C104-PZMXXX	WT	G				1500		3				3						X	004
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Sample Conditions		
Data Package Required? (Y/N)	[signature]	12-30-20	1530	[signature] / PACE	12-30-20	1530			
Data Validation Required? (Y/N):	[signature] / PACE	12-30-20	1830	[signature] PACE	12/30/20	1755	Y		
If data package is required, attach data package checklist.	[signature] PACE	12/30/20	2015	Marian L Clary	12-30-20	2015	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lisa Perrin

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 12-16-20

Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

28

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

30399216

Client Name: Tradepoint Atlantic Project #

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other

Label mlc
LIMS Login mlc

Tracking #: N/A

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Thermometer Used 9 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 2.8 °C Correction Factor: 0 °C Final Temp: 2.8 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# N/A	Date and Initials of person examining contents: mlc 12/31/2020
Chain of Custody Present:	✓			1.	
Chain of Custody Filled Out:	✓			2.	
Chain of Custody Relinquished:	✓			3.	
Sampler Name & Signature on COC:	✓			4.	
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.	
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):	✓	✓		mlc 12/31/2020	
Rush Turn Around Time Requested:	✓			8.	
Sufficient Volume:	✓			9.	
Correct Containers Used: -Pace Containers Used:	✓			10.	
Containers Intact:	✓			11.	
Orthophosphate field filtered			✓	12.	
Hex Cr Aqueous sample field filtered			✓	13.	
Organic Samples checked for dechlorination:			✓	14.	
Filtered volume received for Dissolved tests			✓	15.	
All containers have been checked for preservation. exceptions: (VOA), coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix		✓		16.	
All containers meet method preservation requirements.	✓			Initial when completed mlc	Date/time of preservation
				Lot # of added preservative	
Headspace in VOA Vials (>6mm):		✓		17.	
Trip Blank Present:	✓			18.	
Trip Blank Custody Seals Present	✓				
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed:	Date:

Client Notification/ Resolution:

Person Contacted: Date/Time: Contacted By:

Comments/ Resolution:

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

January 08, 2021

Mr. Matthew Newman
Tradepoint Atlantic
1600 Sparrow's Point Boulevard
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30399217

Dear Mr. Newman:

Enclosed are the analytical results for sample(s) received by the laboratory on December 30, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

cc: Ms. Penny Gardner, Environmental Data Quality, Inc.
J.Price, ARM Group Inc.
Mr. Stewart Kabis, ARM Group Inc.
Mr. Eric S. Magdar, ARM Group Inc.
Ms. Shawne M. Rodgers, Environmental Data Quality, Inc.

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(724)850-5600

CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30399217

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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Greensburg, PA 15601
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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30399217

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30399217001	**Trip Blank**	Water	12/30/20 00:01	12/30/20 22:15
30399217002	**CO43-PZM048**	Water	12/30/20 08:45	12/30/20 22:15
30399217003	**CO44-PZM048**	Water	12/30/20 09:05	12/30/20 22:15
30399217004	**CO45-PZM047**	Water	12/30/20 09:25	12/30/20 22:15
30399217005	**CO46-PZM047**	Water	12/30/20 09:50	12/30/20 22:15
30399217006	**CO42-PZM004**	Water	12/30/20 13:00	12/30/20 22:15
30399217007	**CO93-PZMXXX**	Water	12/30/20 14:00	12/30/20 22:15

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Greensburg, PA 15601
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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30399217

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30399217001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30399217002	**CO43-PZM048**	EPA 8260B	LEL	53	PASI-PA
30399217003	**CO44-PZM048**	EPA 8260B	LEL	53	PASI-PA
30399217004	**CO45-PZM047**	EPA 8260B	LEL	53	PASI-PA
30399217005	**CO46-PZM047**	EPA 8260B	LEL	53	PASI-PA
30399217006	**CO42-PZM004**	EPA 8260B	LEL	53	PASI-PA
30399217007	**CO93-PZMXXX**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399217

Sample: Trip Blank **Lab ID: 30399217001** Collected: 12/30/20 00:01 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/05/21 13:23	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/05/21 13:23	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/05/21 13:23	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/05/21 13:23	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		01/05/21 13:23	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/05/21 13:23	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/05/21 13:23	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/05/21 13:23	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/05/21 13:23	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/05/21 13:23	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/05/21 13:23	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/05/21 13:23	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/05/21 13:23	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/05/21 13:23	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/05/21 13:23	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/05/21 13:23	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		01/05/21 13:23	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/05/21 13:23	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		01/05/21 13:23	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/05/21 13:23	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/05/21 13:23	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/05/21 13:23	75-25-2	1c
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		01/05/21 13:23	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/05/21 13:23	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/05/21 13:23	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		01/05/21 13:23	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/05/21 13:23	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/05/21 13:23	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/05/21 13:23	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/05/21 13:23	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/05/21 13:23	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		01/05/21 13:23	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		01/05/21 13:23	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/05/21 13:23	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/05/21 13:23	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		01/05/21 13:23	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		01/05/21 13:23	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/05/21 13:23	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		01/05/21 13:23	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/05/21 13:23	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/05/21 13:23	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/05/21 13:23	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/05/21 13:23	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		01/05/21 13:23	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/05/21 13:23	156-59-2	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399217

Sample: Trip Blank **Lab ID: 30399217001** Collected: 12/30/20 00:01 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/05/21 13:23	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/05/21 13:23	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/05/21 13:23	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/05/21 13:23	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%.	70-130		1		01/05/21 13:23	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%.	70-130		1		01/05/21 13:23	17060-07-0	
Toluene-d8 (S)	102	%.	70-130		1		01/05/21 13:23	2037-26-5	
Dibromofluoromethane (S)	99	%.	70-130		1		01/05/21 13:23	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399217

Sample: CO43-PZM048 **Lab ID: 30399217002** Collected: 12/30/20 08:45 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/05/21 14:12	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/05/21 14:12	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/05/21 14:12	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/05/21 14:12	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		01/05/21 14:12	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/05/21 14:12	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/05/21 14:12	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/05/21 14:12	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/05/21 14:12	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/05/21 14:12	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/05/21 14:12	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/05/21 14:12	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/05/21 14:12	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/05/21 14:12	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/05/21 14:12	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/05/21 14:12	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		01/05/21 14:12	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/05/21 14:12	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		01/05/21 14:12	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/05/21 14:12	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/05/21 14:12	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/05/21 14:12	75-25-2	1c
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		01/05/21 14:12	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/05/21 14:12	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/05/21 14:12	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		01/05/21 14:12	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/05/21 14:12	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/05/21 14:12	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/05/21 14:12	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/05/21 14:12	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/05/21 14:12	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		01/05/21 14:12	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		01/05/21 14:12	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/05/21 14:12	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/05/21 14:12	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		01/05/21 14:12	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		01/05/21 14:12	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/05/21 14:12	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		01/05/21 14:12	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/05/21 14:12	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/05/21 14:12	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/05/21 14:12	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/05/21 14:12	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		01/05/21 14:12	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/05/21 14:12	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399217

Sample: CO43-PZM048 **Lab ID: 30399217002** Collected: 12/30/20 08:45 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/05/21 14:12	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/05/21 14:12	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/05/21 14:12	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/05/21 14:12	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%.	70-130		1		01/05/21 14:12	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%.	70-130		1		01/05/21 14:12	17060-07-0	
Toluene-d8 (S)	100	%.	70-130		1		01/05/21 14:12	2037-26-5	
Dibromofluoromethane (S)	103	%.	70-130		1		01/05/21 14:12	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399217

Sample: CO44-PZM048 **Lab ID: 30399217003** Collected: 12/30/20 09:05 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/05/21 16:41	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/05/21 16:41	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/05/21 16:41	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/05/21 16:41	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		01/05/21 16:41	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/05/21 16:41	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/05/21 16:41	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/05/21 16:41	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/05/21 16:41	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/05/21 16:41	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/05/21 16:41	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/05/21 16:41	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/05/21 16:41	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/05/21 16:41	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/05/21 16:41	591-78-6	
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/05/21 16:41	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		01/05/21 16:41	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/05/21 16:41	107-13-1	
Benzene	**2630**	ug/L	50.0	16.9	50		01/06/21 17:09	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/05/21 16:41	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/05/21 16:41	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/05/21 16:41	75-25-2	1c
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		01/05/21 16:41	74-83-9	
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/05/21 16:41	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/05/21 16:41	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		01/05/21 16:41	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/05/21 16:41	75-00-3	
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/05/21 16:41	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/05/21 16:41	74-87-3	
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/05/21 16:41	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/05/21 16:41	74-95-3	
Ethylbenzene	**12.8**	ug/L	1.0	0.40	1		01/05/21 16:41	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		01/05/21 16:41	74-88-4	CL
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/05/21 16:41	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/05/21 16:41	75-09-2	
Naphthalene	**118**	ug/L	2.0	0.82	1		01/05/21 16:41	91-20-3	
Styrene	**1.4**	ug/L	1.0	0.33	1		01/05/21 16:41	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/05/21 16:41	127-18-4	
Toluene	**54.9**	ug/L	1.0	0.32	1		01/05/21 16:41	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/05/21 16:41	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/05/21 16:41	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/05/21 16:41	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/05/21 16:41	75-01-4	
Xylene (Total)	**91.9**	ug/L	3.0	1.4	1		01/05/21 16:41	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/05/21 16:41	156-59-2	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399217

Sample: CO44-PZM048 **Lab ID: 30399217003** Collected: 12/30/20 09:05 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/05/21 16:41	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/05/21 16:41	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/05/21 16:41	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/05/21 16:41	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		1		01/05/21 16:41	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%.	70-130		1		01/05/21 16:41	17060-07-0	
Toluene-d8 (S)	101	%.	70-130		1		01/05/21 16:41	2037-26-5	
Dibromofluoromethane (S)	91	%.	70-130		1		01/05/21 16:41	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399217

Sample: CO45-PZM047 **Lab ID: 30399217004** Collected: 12/30/20 09:25 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/06/21 18:53	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/06/21 18:53	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/06/21 18:53	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/06/21 18:53	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		01/06/21 18:53	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/06/21 18:53	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/06/21 18:53	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/06/21 18:53	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/06/21 18:53	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/06/21 18:53	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/06/21 18:53	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/06/21 18:53	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/06/21 18:53	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/06/21 18:53	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/06/21 18:53	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/06/21 18:53	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		01/06/21 18:53	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/06/21 18:53	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		01/06/21 18:53	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/06/21 18:53	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/06/21 18:53	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/06/21 18:53	75-25-2	
Bromomethane	**0.74J**	ug/L	1.0	0.73	1		01/06/21 18:53	74-83-9	1c
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/06/21 18:53	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/06/21 18:53	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		01/06/21 18:53	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/06/21 18:53	75-00-3	1c,CH, L1
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/06/21 18:53	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/06/21 18:53	74-87-3	1c
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/06/21 18:53	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/06/21 18:53	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		01/06/21 18:53	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		01/06/21 18:53	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/06/21 18:53	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/06/21 18:53	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		01/06/21 18:53	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		01/06/21 18:53	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/06/21 18:53	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		01/06/21 18:53	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/06/21 18:53	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/06/21 18:53	75-69-4	CH,L1
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/06/21 18:53	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/06/21 18:53	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		01/06/21 18:53	1330-20-7	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399217

Sample: CO45-PZM047 **Lab ID: 30399217004** Collected: 12/30/20 09:25 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/06/21 18:53	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/06/21 18:53	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/06/21 18:53	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/06/21 18:53	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/06/21 18:53	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%.	70-130		1		01/06/21 18:53	460-00-4	
1,2-Dichloroethane-d4 (S)	116	%.	70-130		1		01/06/21 18:53	17060-07-0	
Toluene-d8 (S)	96	%.	70-130		1		01/06/21 18:53	2037-26-5	
Dibromofluoromethane (S)	120	%.	70-130		1		01/06/21 18:53	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399217

Sample: CO46-PZM047 **Lab ID: 30399217005** Collected: 12/30/20 09:50 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		01/06/21 20:10	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		01/06/21 20:10	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		01/06/21 20:10	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		01/06/21 20:10	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		01/06/21 20:10	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		01/06/21 20:10	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		01/06/21 20:10	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		01/06/21 20:10	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		01/06/21 20:10	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		01/06/21 20:10	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		01/06/21 20:10	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		01/06/21 20:10	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		01/06/21 20:10	106-46-7	
2-Butanone (MEK)	**12.0J**	ug/L	50.0	7.6	5		01/06/21 20:10	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		01/06/21 20:10	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		01/06/21 20:10	108-10-1	
Acetone	**60.9**	ug/L	50.0	28.0	5		01/06/21 20:10	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		01/06/21 20:10	107-13-1	
Benzene	**49600**	ug/L	200	67.6	200		01/06/21 20:36	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		01/06/21 20:10	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		01/06/21 20:10	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		01/06/21 20:10	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		01/06/21 20:10	74-83-9	1c
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		01/06/21 20:10	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		01/06/21 20:10	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		01/06/21 20:10	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		01/06/21 20:10	75-00-3	1c,CH, L1
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		01/06/21 20:10	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		01/06/21 20:10	74-87-3	1c
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		01/06/21 20:10	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		01/06/21 20:10	74-95-3	
Ethylbenzene	**241**	ug/L	5.0	2.0	5		01/06/21 20:10	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		01/06/21 20:10	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		01/06/21 20:10	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		01/06/21 20:10	75-09-2	
Naphthalene	**614**	ug/L	10.0	4.1	5		01/06/21 20:10	91-20-3	
Styrene	**21.9**	ug/L	5.0	1.6	5		01/06/21 20:10	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		01/06/21 20:10	127-18-4	
Toluene	**1350**	ug/L	5.0	1.6	5		01/06/21 20:10	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		01/06/21 20:10	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		01/06/21 20:10	75-69-4	CH,L1
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		01/06/21 20:10	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		01/06/21 20:10	75-01-4	
Xylene (Total)	**1170**	ug/L	15.0	6.8	5		01/06/21 20:10	1330-20-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399217

Sample: CO46-PZM047 **Lab ID: 30399217005** Collected: 12/30/20 09:50 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		01/06/21 20:10	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		01/06/21 20:10	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		01/06/21 20:10	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		01/06/21 20:10	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		01/06/21 20:10	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%.	70-130		5		01/06/21 20:10	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%.	70-130		5		01/06/21 20:10	17060-07-0	
Toluene-d8 (S)	99	%.	70-130		5		01/06/21 20:10	2037-26-5	
Dibromofluoromethane (S)	95	%.	70-130		5		01/06/21 20:10	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399217

Sample: CO42-PZM004 **Lab ID: 30399217006** Collected: 12/30/20 13:00 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		01/06/21 19:19	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		01/06/21 19:19	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		01/06/21 19:19	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/06/21 19:19	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		01/06/21 19:19	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		01/06/21 19:19	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		01/06/21 19:19	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		01/06/21 19:19	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		01/06/21 19:19	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		01/06/21 19:19	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		01/06/21 19:19	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		01/06/21 19:19	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		01/06/21 19:19	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		01/06/21 19:19	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		01/06/21 19:19	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		01/06/21 19:19	108-10-1	
Acetone	**10.0 U**	ug/L	10.0	5.6	1		01/06/21 19:19	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		01/06/21 19:19	107-13-1	
Benzene	**6.1**	ug/L	1.0	0.34	1		01/06/21 19:19	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		01/06/21 19:19	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		01/06/21 19:19	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		01/06/21 19:19	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		01/06/21 19:19	74-83-9	1c
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		01/06/21 19:19	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		01/06/21 19:19	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		01/06/21 19:19	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		01/06/21 19:19	75-00-3	1c,CH, L1
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		01/06/21 19:19	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		01/06/21 19:19	74-87-3	1c
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		01/06/21 19:19	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		01/06/21 19:19	74-95-3	
Ethylbenzene	**2.1**	ug/L	1.0	0.40	1		01/06/21 19:19	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		01/06/21 19:19	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		01/06/21 19:19	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		01/06/21 19:19	75-09-2	
Naphthalene	**4.9**	ug/L	2.0	0.82	1		01/06/21 19:19	91-20-3	
Styrene	**1.4**	ug/L	1.0	0.33	1		01/06/21 19:19	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		01/06/21 19:19	127-18-4	
Toluene	**7.0**	ug/L	1.0	0.32	1		01/06/21 19:19	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		01/06/21 19:19	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		01/06/21 19:19	75-69-4	CH,L1
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		01/06/21 19:19	108-05-4	
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		01/06/21 19:19	75-01-4	
Xylene (Total)	**9.2**	ug/L	3.0	1.4	1		01/06/21 19:19	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399217

Sample: CO42-PZM004 **Lab ID: 30399217006** Collected: 12/30/20 13:00 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		01/06/21 19:19	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		01/06/21 19:19	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		01/06/21 19:19	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		01/06/21 19:19	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		01/06/21 19:19	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%.	70-130		1		01/06/21 19:19	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%.	70-130		1		01/06/21 19:19	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		1		01/06/21 19:19	2037-26-5	
Dibromofluoromethane (S)	119	%.	70-130		1		01/06/21 19:19	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399217

Sample: CO93-PZMXXX **Lab ID: 30399217007** Collected: 12/30/20 14:00 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		01/06/21 21:02	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		01/06/21 21:02	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		01/06/21 21:02	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		01/06/21 21:02	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		01/06/21 21:02	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		01/06/21 21:02	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		01/06/21 21:02	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		01/06/21 21:02	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		01/06/21 21:02	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		01/06/21 21:02	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		01/06/21 21:02	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		01/06/21 21:02	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		01/06/21 21:02	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		01/06/21 21:02	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		01/06/21 21:02	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		01/06/21 21:02	108-10-1	
Acetone	**50.0 U**	ug/L	50.0	28.0	5		01/06/21 21:02	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		01/06/21 21:02	107-13-1	
Benzene	**154000**	ug/L	1000	338	1000		01/06/21 21:27	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		01/06/21 21:02	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		01/06/21 21:02	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		01/06/21 21:02	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		01/06/21 21:02	74-83-9	1c
Carbon disulfide	**12.0**	ug/L	5.0	1.6	5		01/06/21 21:02	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		01/06/21 21:02	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		01/06/21 21:02	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		01/06/21 21:02	75-00-3	1c,CH, L1
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		01/06/21 21:02	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		01/06/21 21:02	74-87-3	1c
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		01/06/21 21:02	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		01/06/21 21:02	74-95-3	
Ethylbenzene	**934**	ug/L	5.0	2.0	5		01/06/21 21:02	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		01/06/21 21:02	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		01/06/21 21:02	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		01/06/21 21:02	75-09-2	
Naphthalene	**1740**	ug/L	10.0	4.1	5		01/06/21 21:02	91-20-3	
Styrene	**1090**	ug/L	5.0	1.6	5		01/06/21 21:02	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		01/06/21 21:02	127-18-4	
Toluene	**52300**	ug/L	1000	317	1000		01/06/21 21:27	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		01/06/21 21:02	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		01/06/21 21:02	75-69-4	CH,L1
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		01/06/21 21:02	108-05-4	
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		01/06/21 21:02	75-01-4	
Xylene (Total)	**8590**	ug/L	3000	1350	1000		01/06/21 21:27	1330-20-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399217

Sample: CO93-PZMXXX **Lab ID: 30399217007** Collected: 12/30/20 14:00 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		01/06/21 21:02	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		01/06/21 21:02	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		01/06/21 21:02	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		01/06/21 21:02	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		01/06/21 21:02	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%.	70-130		5		01/06/21 21:02	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%.	70-130		5		01/06/21 21:02	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		5		01/06/21 21:02	2037-26-5	
Dibromofluoromethane (S)	90	%.	70-130		5		01/06/21 21:02	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399217

QC Batch: 429604 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30399217001, 30399217002, 30399217003

METHOD BLANK: 2075314 Matrix: Water
Associated Lab Samples: 30399217001, 30399217002, 30399217003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	01/05/21 12:33	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	01/05/21 12:33	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	01/05/21 12:33	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	01/05/21 12:33	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	01/05/21 12:33	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	01/05/21 12:33	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	01/05/21 12:33	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	01/05/21 12:33	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	01/05/21 12:33	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	01/05/21 12:33	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	01/05/21 12:33	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	01/05/21 12:33	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	01/05/21 12:33	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	01/05/21 12:33	
2-Hexanone	ug/L	10.0 U	10.0	0.58	01/05/21 12:33	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	01/05/21 12:33	
Acetone	ug/L	10.0 U	10.0	5.6	01/05/21 12:33	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	01/05/21 12:33	
Benzene	ug/L	1.0 U	1.0	0.34	01/05/21 12:33	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	01/05/21 12:33	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	01/05/21 12:33	
Bromoform	ug/L	1.0 U	1.0	0.56	01/05/21 12:33	1c
Bromomethane	ug/L	1.0 U	1.0	0.73	01/05/21 12:33	
Carbon disulfide	ug/L	1.0 U	1.0	0.32	01/05/21 12:33	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	01/05/21 12:33	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	01/05/21 12:33	
Chloroethane	ug/L	1.0 U	1.0	0.64	01/05/21 12:33	
Chloroform	ug/L	1.0 U	1.0	0.39	01/05/21 12:33	
Chloromethane	ug/L	1.0 U	1.0	0.40	01/05/21 12:33	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	01/05/21 12:33	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	01/05/21 12:33	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	01/05/21 12:33	
Dibromomethane	ug/L	1.0 U	1.0	0.34	01/05/21 12:33	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	01/05/21 12:33	
Iodomethane	ug/L	50.0 U	50.0	0.52	01/05/21 12:33	CL
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	01/05/21 12:33	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	01/05/21 12:33	
Naphthalene	ug/L	2.0 U	2.0	0.82	01/05/21 12:33	
Styrene	ug/L	1.0 U	1.0	0.33	01/05/21 12:33	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	01/05/21 12:33	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399217

METHOD BLANK: 2075314 Matrix: Water
Associated Lab Samples: 30399217001, 30399217002, 30399217003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	01/05/21 12:33	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	01/05/21 12:33	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	01/05/21 12:33	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	01/05/21 12:33	
Trichloroethene	ug/L	1.0 U	1.0	0.29	01/05/21 12:33	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	01/05/21 12:33	
Vinyl acetate	ug/L	1.0 U	1.0	0.57	01/05/21 12:33	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	01/05/21 12:33	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	01/05/21 12:33	
1,2-Dichloroethane-d4 (S)	%.	108	70-130		01/05/21 12:33	
4-Bromofluorobenzene (S)	%.	104	70-130		01/05/21 12:33	
Dibromofluoromethane (S)	%.	108	70-130		01/05/21 12:33	
Toluene-d8 (S)	%.	100	70-130		01/05/21 12:33	

LABORATORY CONTROL SAMPLE: 2075315

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.8	104	70-130	
1,1,1-Trichloroethane	ug/L	20	22.9	114	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.9	104	70-130	
1,1,2-Trichloroethane	ug/L	20	20.4	102	70-130	
1,1-Dichloroethane	ug/L	20	20.3	101	70-130	
1,1-Dichloroethene	ug/L	20	18.3	91	70-130	
1,2,3-Trichloropropane	ug/L	20	20.5	102	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	21.5	108	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	20.8	104	70-130	
1,2-Dichlorobenzene	ug/L	20	21.1	105	70-130	
1,2-Dichloroethane	ug/L	20	20.7	103	70-130	
1,2-Dichloropropane	ug/L	20	21.4	107	70-130	
1,4-Dichlorobenzene	ug/L	20	20.8	104	70-130	
2-Butanone (MEK)	ug/L	20	20.5	102	70-130	
2-Hexanone	ug/L	20	19.6	98	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	20.3	102	70-130	
Acetone	ug/L	20	21.6	108	67-173	
Acrylonitrile	ug/L	20	16.2	81	56-147	
Benzene	ug/L	20	20.3	101	70-130	
Bromochloromethane	ug/L	20	21.0	105	70-130	
Bromodichloromethane	ug/L	20	22.0	110	70-130	
Bromoform	ug/L	20	18.7	93	63-119	1c
Bromomethane	ug/L	20	22.6	113	24-159	
Carbon disulfide	ug/L	20	21.4	107	57-132	
Carbon tetrachloride	ug/L	20	21.5	107	70-130	
Chlorobenzene	ug/L	20	21.7	108	70-130	
Chloroethane	ug/L	20	21.5	108	62-145	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399217

LABORATORY CONTROL SAMPLE: 2075315

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	20	19.6	98	70-130	
Chloromethane	ug/L	20	19.8	99	66-140	
cis-1,2-Dichloroethene	ug/L	20	19.8	99	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.2	106	70-130	
Dibromochloromethane	ug/L	20	20.7	104	70-130	
Dibromomethane	ug/L	20	19.2	96	70-130	
Ethylbenzene	ug/L	20	21.9	109	70-130	
Iodomethane	ug/L	20	11.4J	57	10-175	CL
Methyl-tert-butyl ether	ug/L	20	20.3	101	70-130	
Methylene Chloride	ug/L	20	20.5	103	70-130	
Naphthalene	ug/L	20	29.8	149	55-160	
Styrene	ug/L	20	22.3	111	70-130	
Tetrachloroethene	ug/L	20	21.3	107	70-130	
Toluene	ug/L	20	21.1	106	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.4	97	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.8	104	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	19.8	99	48-131	
Trichloroethene	ug/L	20	21.5	107	70-130	
Trichlorofluoromethane	ug/L	20	22.1	110	70-130	
Vinyl acetate	ug/L	20	21.2	106	33-128	
Vinyl chloride	ug/L	20	22.5	113	70-130	
Xylene (Total)	ug/L	60	64.1	107	70-130	
1,2-Dichloroethane-d4 (S)	%.			98	70-130	
4-Bromofluorobenzene (S)	%.			100	70-130	
Dibromofluoromethane (S)	%.			99	70-130	
Toluene-d8 (S)	%.			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2076079 2076080

Parameter	Units	30399213003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	20	20	16.7	17.8	84	89	59-117	6	30	
1,1,1-Trichloroethane	ug/L	1.0 U	20	20	20.3	20.6	102	103	55-146	1	30	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	20	20	17.1	18.3	85	91	55-118	7	30	
1,1,2-Trichloroethane	ug/L	1.0 U	20	20	17.6	18.8	88	94	61-122	7	30	
1,1-Dichloroethane	ug/L	1.0 U	20	20	17.5	17.9	88	89	59-130	2	30	
1,1-Dichloroethene	ug/L	1.0 U	20	20	15.3	16.0	77	80	52-119	4	30	
1,2,3-Trichloropropane	ug/L	1.0 U	20	20	17.5	17.9	87	90	59-117	3	30	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	20	20	13.0	14.0	65	70	32-112	7	30	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	20	20	16.7	17.6	84	88	61-116	5	30	
1,2-Dichlorobenzene	ug/L	1.0 U	20	20	15.8	17.3	79	87	58-126	9	30	
1,2-Dichloroethane	ug/L	1.0 U	20	20	16.8	17.3	84	86	49-135	3	30	
1,2-Dichloropropane	ug/L	1.0 U	20	20	16.5	17.5	82	88	67-121	6	30	
1,4-Dichlorobenzene	ug/L	1.0 U	20	20	15.9	17.2	79	86	60-121	8	30	

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399217

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2076079 2076080

Parameter	Units	30399213003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	10.0 U	20	20	12.3	13.5	61	67	59-138	10	30	
2-Hexanone	ug/L	10.0 U	20	20	9.4J	11.5	47	58	66-123		30	ML
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	20	20	10.3	12.3	52	62	70-130	17	30	ML
Acetone	ug/L	10.0 U	20	20	20.4	21.5	102	107	57-140	5	30	
Acrylonitrile	ug/L	4.0 U	20	20	11.3	14.3	57	72	47-134	24	30	
Benzene	ug/L	1.0 U	20	20	17.7	18.0	88	90	50-149	2	30	
Bromochloromethane	ug/L	1.0 U	20	20	17.8	18.5	89	92	63-120	4	30	
Bromodichloromethane	ug/L	1.0 U	20	20	18.0	18.6	90	93	46-131	3	30	
Bromoform	ug/L	1.0 U	20	20	15.6	15.5	78	77	30-119	1	30	
Bromomethane	ug/L	1.0 U	20	20	11.0	15.1	55	76	10-163	32	30	1c,R1
Carbon disulfide	ug/L	1.0 U	20	20	17.3	19.1	86	96	41-116	10	30	
Carbon tetrachloride	ug/L	1.0 U	20	20	18.4	18.8	92	94	55-119	3	30	
Chlorobenzene	ug/L	1.0 U	20	20	17.1	18.1	85	90	66-124	6	30	
Chloroethane	ug/L	1.0 U	20	20	36.5	32.5	183	162	45-162	12	30	1c,CH, MH
Chloroform	ug/L	1.0 U	20	20	17.8	18.0	89	90	56-123	1	30	
Chloromethane	ug/L	1.0 U	20	20	16.4	16.1	82	81	49-150	2	30	1c
cis-1,2-Dichloroethene	ug/L	1.0 U	20	20	15.0	16.0	75	80	63-116	7	30	
cis-1,3-Dichloropropene	ug/L	1.0 U	20	20	13.2	13.8	66	69	46-119	4	30	
Dibromochloromethane	ug/L	1.0 U	20	20	16.5	17.6	82	88	42-120	7	30	
Dibromomethane	ug/L	1.0 U	20	20	15.8	16.4	79	82	55-117	3	30	
Ethylbenzene	ug/L	1.0 U	20	20	16.3	17.5	82	88	63-135	7	30	
Iodomethane	ug/L	50.0 U	20	20	7.1J	12.7J	35	63	10-175		30	IH
Methyl-tert-butyl ether	ug/L	1.0 U	20	20	13.6	15.6	68	78	53-123	14	30	
Methylene Chloride	ug/L	1.0 U	20	20	15.2	16.1	76	81	57-132	6	30	
Naphthalene	ug/L	2.0 U	20	20	12.0	19.2	60	96	30-157	46	30	R1
Styrene	ug/L	1.0 U	20	20	13.9	14.8	69	74	58-130	6	30	
Tetrachloroethene	ug/L	1.0 U	20	20	17.2	18.5	86	92	61-132	7	30	
Toluene	ug/L	1.0 U	20	20	17.2	17.9	86	89	59-139	4	30	
trans-1,2-Dichloroethene	ug/L	1.0 U	20	20	15.5	16.5	78	82	60-124	6	30	
trans-1,3-Dichloropropene	ug/L	1.0 U	20	20	14.6	15.8	73	79	48-121	8	30	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	20	5.6	6.6	28	33	10-111	17	30	
Trichloroethene	ug/L	1.0 U	20	20	17.1	17.7	86	89	63-128	4	30	
Trichlorofluoromethane	ug/L	1.0 U	20	20	30.6	29.3	153	147	70-152	4	30	CH,MH
Vinyl acetate	ug/L	1.0 U	20	20	9.6	9.5	48	48	23-102	1	30	
Vinyl chloride	ug/L	1.0 U	20	20	21.3	21.3	107	106	67-141	0	30	
Xylene (Total)	ug/L	3.0 U	60	60	45.9	49.5	76	83	63-135	8	30	
1,2-Dichloroethane-d4 (S)	%.						111	106	70-130			
4-Bromofluorobenzene (S)	%.						94	97	70-130			
Dibromofluoromethane (S)	%.						107	104	70-130			
Toluene-d8 (S)	%.						97	98	70-130			

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(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399217

QC Batch: 429875 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30399217004, 30399217005, 30399217006, 30399217007

METHOD BLANK: 2076449 Matrix: Water
Associated Lab Samples: 30399217004, 30399217005, 30399217006, 30399217007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	01/06/21 15:52	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	01/06/21 15:52	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	01/06/21 15:52	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	01/06/21 15:52	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	01/06/21 15:52	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	01/06/21 15:52	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	01/06/21 15:52	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	01/06/21 15:52	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	01/06/21 15:52	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	01/06/21 15:52	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	01/06/21 15:52	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	01/06/21 15:52	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	01/06/21 15:52	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	01/06/21 15:52	
2-Hexanone	ug/L	10.0 U	10.0	0.58	01/06/21 15:52	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	01/06/21 15:52	
Acetone	ug/L	10.0 U	10.0	5.6	01/06/21 15:52	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	01/06/21 15:52	
Benzene	ug/L	1.0 U	1.0	0.34	01/06/21 15:52	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	01/06/21 15:52	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	01/06/21 15:52	
Bromoform	ug/L	1.0 U	1.0	0.56	01/06/21 15:52	
Bromomethane	ug/L	0.85J	1.0	0.73	01/06/21 15:52	1c
Carbon disulfide	ug/L	1.0 U	1.0	0.32	01/06/21 15:52	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	01/06/21 15:52	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	01/06/21 15:52	
Chloroethane	ug/L	1.0 U	1.0	0.64	01/06/21 15:52	1c,CH
Chloroform	ug/L	1.0 U	1.0	0.39	01/06/21 15:52	
Chloromethane	ug/L	1.0 U	1.0	0.40	01/06/21 15:52	1c
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	01/06/21 15:52	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	01/06/21 15:52	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	01/06/21 15:52	
Dibromomethane	ug/L	1.0 U	1.0	0.34	01/06/21 15:52	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	01/06/21 15:52	
Iodomethane	ug/L	50.0 U	50.0	0.52	01/06/21 15:52	IH
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	01/06/21 15:52	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	01/06/21 15:52	
Naphthalene	ug/L	2.0 U	2.0	0.82	01/06/21 15:52	
Styrene	ug/L	1.0 U	1.0	0.33	01/06/21 15:52	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	01/06/21 15:52	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399217

METHOD BLANK: 2076449 Matrix: Water
Associated Lab Samples: 30399217004, 30399217005, 30399217006, 30399217007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	01/06/21 15:52	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	01/06/21 15:52	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	01/06/21 15:52	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	01/06/21 15:52	
Trichloroethene	ug/L	1.0 U	1.0	0.29	01/06/21 15:52	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	01/06/21 15:52	CH
Vinyl acetate	ug/L	1.0 U	1.0	0.57	01/06/21 15:52	
Vinyl chloride	ug/L	1.0 U	1.0	0.29	01/06/21 15:52	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	01/06/21 15:52	
1,2-Dichloroethane-d4 (S)	%.	117	70-130		01/06/21 15:52	
4-Bromofluorobenzene (S)	%.	93	70-130		01/06/21 15:52	
Dibromofluoromethane (S)	%.	117	70-130		01/06/21 15:52	
Toluene-d8 (S)	%.	97	70-130		01/06/21 15:52	

LABORATORY CONTROL SAMPLE: 2076450

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.3	106	70-130	
1,1,1-Trichloroethane	ug/L	20	24.2	121	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.0	110	70-130	
1,1,2-Trichloroethane	ug/L	20	21.9	109	70-130	
1,1-Dichloroethane	ug/L	20	20.9	104	70-130	
1,1-Dichloroethene	ug/L	20	18.6	93	70-130	
1,2,3-Trichloropropane	ug/L	20	22.3	112	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	17.7	89	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	21.2	106	70-130	
1,2-Dichlorobenzene	ug/L	20	20.9	105	70-130	
1,2-Dichloroethane	ug/L	20	21.1	105	70-130	
1,2-Dichloropropane	ug/L	20	20.4	102	70-130	
1,4-Dichlorobenzene	ug/L	20	21.2	106	70-130	
2-Butanone (MEK)	ug/L	20	16.8	84	70-130	
2-Hexanone	ug/L	20	13.2	66	70-130	L2
4-Methyl-2-pentanone (MIBK)	ug/L	20	14.1	71	70-130	
Acetone	ug/L	20	20.1	101	67-173	
Acrylonitrile	ug/L	20	16.9	84	56-147	
Benzene	ug/L	20	20.4	102	70-130	
Bromochloromethane	ug/L	20	21.2	106	70-130	
Bromodichloromethane	ug/L	20	22.6	113	70-130	
Bromoform	ug/L	20	19.3	97	63-119	
Bromomethane	ug/L	20	21.7	109	24-159	1c
Carbon disulfide	ug/L	20	21.1	105	57-132	
Carbon tetrachloride	ug/L	20	22.4	112	70-130	
Chlorobenzene	ug/L	20	21.6	108	70-130	
Chloroethane	ug/L	20	31.8	159	62-145	1c,CH,L1

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399217

LABORATORY CONTROL SAMPLE: 2076450

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	20	21.7	109	70-130	
Chloromethane	ug/L	20	17.9	89	66-140	1c
cis-1,2-Dichloroethene	ug/L	20	18.5	92	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.5	98	70-130	
Dibromochloromethane	ug/L	20	21.2	106	70-130	
Dibromomethane	ug/L	20	19.9	100	70-130	
Ethylbenzene	ug/L	20	21.1	106	70-130	
Iodomethane	ug/L	20	17.2J	86	10-175	IH
Methyl-tert-butyl ether	ug/L	20	18.3	91	70-130	
Methylene Chloride	ug/L	20	18.2	91	70-130	
Naphthalene	ug/L	20	16.9	85	55-160	
Styrene	ug/L	20	19.6	98	70-130	
Tetrachloroethene	ug/L	20	22.9	114	70-130	
Toluene	ug/L	20	20.8	104	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.5	98	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.4	107	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	15.5	77	48-131	
Trichloroethene	ug/L	20	21.6	108	70-130	
Trichlorofluoromethane	ug/L	20	32.1	160	70-130	CH,L1
Vinyl acetate	ug/L	20	17.0	85	33-128	
Vinyl chloride	ug/L	20	21.8	109	70-130	
Xylene (Total)	ug/L	60	60.1	100	70-130	
1,2-Dichloroethane-d4 (S)	%.			104	70-130	
4-Bromofluorobenzene (S)	%.			95	70-130	
Dibromofluoromethane (S)	%.			104	70-130	
Toluene-d8 (S)	%.			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2076451 2076452

Parameter	Units	30399136001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	17.1	18.9	85	95	59-117	10	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	19.5	22.6	97	113	55-146	15	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	18.6	20.2	93	101	55-118	8	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	18.4	20.5	92	103	61-122	11	30	
1,1-Dichloroethane	ug/L	ND	20	20	17.3	19.4	86	97	59-130	12	30	
1,1-Dichloroethene	ug/L	ND	20	20	15.2	16.3	76	82	52-119	7	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	18.6	20.5	93	103	59-117	10	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	14.9	15.3	74	76	32-112	3	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	17.2	18.6	86	93	61-116	8	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	16.6	18.8	83	94	58-126	12	30	
1,2-Dichloroethane	ug/L	ND	20	20	16.9	18.8	84	94	49-135	11	30	
1,2-Dichloropropane	ug/L	ND	20	20	16.5	18.8	82	94	67-121	13	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	16.9	19.3	85	96	60-121	13	30	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399217

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2076451 2076452

Parameter	Units	30399136001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	ND	20	20	13.5	13.2	68	66	59-138	3	30	
2-Hexanone	ug/L	ND	20	20	11.4	10.4	57	52	66-123	9	30	ML
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	12.1	11.4	61	57	70-130	6	30	ML
Acetone	ug/L	ND	20	20	20.4	17.9	85	73	57-140	13	30	
Acrylonitrile	ug/L	ND	20	20	14.3	13.8	72	69	47-134	4	30	
Benzene	ug/L	ND	20	20	16.9	18.7	85	93	50-149	10	30	
Bromochloromethane	ug/L	ND	20	20	17.2	19.7	86	99	63-120	13	30	
Bromodichloromethane	ug/L	ND	20	20	18.3	20.1	91	101	46-131	10	30	
Bromoform	ug/L	ND	20	20	15.5	16.8	78	84	30-119	8	30	
Bromomethane	ug/L	1.1	20	20	14.5	18.2	67	85	10-163	23	30	1c
Carbon disulfide	ug/L	ND	20	20	15.9	19.2	80	96	41-116	19	30	
Carbon tetrachloride	ug/L	ND	20	20	18.3	20.7	91	103	55-119	12	30	
Chlorobenzene	ug/L	ND	20	20	17.4	19.7	87	99	66-124	13	30	
Chloroethane	ug/L	ND	20	20	31.4	31.6	157	158	45-162	1	30	1c,CH
Chloroform	ug/L	ND	20	20	17.7	20.0	89	100	56-123	12	30	
Chloromethane	ug/L	ND	20	20	16.2	16.2	81	81	49-150	0	30	1c
cis-1,2-Dichloroethene	ug/L	ND	20	20	14.9	16.3	75	81	63-116	9	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	14.4	15.8	72	79	46-119	9	30	
Dibromochloromethane	ug/L	ND	20	20	17.1	19.0	86	95	42-120	11	30	
Dibromomethane	ug/L	ND	20	20	17.4	17.5	87	88	55-117	1	30	
Ethylbenzene	ug/L	ND	20	20	16.2	19.3	81	97	63-135	18	30	
Iodomethane	ug/L	ND	20	20	13.8J	17.0J	67	83	10-175		30	1c,IH
Methyl-tert-butyl ether	ug/L	ND	20	20	14.9	15.3	74	76	53-123	3	30	
Methylene Chloride	ug/L	ND	20	20	15.7	17.4	78	87	57-132	10	30	
Naphthalene	ug/L	10.0	20	20	30.5	30.5	102	103	30-157	0	30	
Styrene	ug/L	ND	20	20	14.9	16.8	75	84	58-130	12	30	
Tetrachloroethene	ug/L	ND	20	20	17.9	21.6	90	108	61-132	19	30	
Toluene	ug/L	ND	20	20	17.3	19.5	85	96	59-139	12	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	16.1	17.7	80	88	60-124	9	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	16.4	18.2	82	91	48-121	10	30	
trans-1,4-Dichloro-2-butene	ug/L	ND	20	20	6.6	6.6	33	33	10-111	0	30	
Trichloroethene	ug/L	ND	20	20	16.4	18.9	82	94	63-128	14	30	
Trichlorofluoromethane	ug/L	ND	20	20	30.0	30.6	150	153	70-152	2	30	CH,MH
Vinyl acetate	ug/L	ND	20	20	13.9	13.6	70	68	23-102	2	30	
Vinyl chloride	ug/L	ND	20	20	21.0	21.1	105	106	67-141	1	30	
Xylene (Total)	ug/L	ND	60	60	48.5	54.9	80	91	63-135	12	30	
1,2-Dichloroethane-d4 (S)	%.						108	106	70-130			
4-Bromofluorobenzene (S)	%.						95	98	70-130			
Dibromofluoromethane (S)	%.						106	106	70-130			
Toluene-d8 (S)	%.						97	99	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30399217

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1c	The read back of the low concentration calibration standard for this compound is not within 30% of the true value. The results may be biased high and should be considered estimated.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.

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(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30399217

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30399217001	**Trip Blank**	EPA 8260B	429604		
30399217002	**CO43-PZM048**	EPA 8260B	429604		
30399217003	**CO44-PZM048**	EPA 8260B	429604		
30399217004	**CO45-PZM047**	EPA 8260B	429875		
30399217005	**CO46-PZM047**	EPA 8260B	429875		
30399217006	**CO42-PZM004**	EPA 8260B	429875		
30399217007	**CO93-PZMXXX**	EPA 8260B	429875		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be com

WO# : 30399217

30399217

Section A
Required Client Information:

Company:	Tradepoint Atlantic
Address:	1600 Sparrows Point Blvd
	Sparrows Point, MD 21219
Email To:	
Phone:	Fax:
Requested Due Date/TAT:	5 day

Section B
Required Project Information:

Report To:	Matt Newman
Copy To:	Stew Kabis
PO Number:	
Project Name:	COA IM GW Sampling
Project Number:	

Section C
Invoice Information:

Attention:	Matt Newman
Company Name:	Tradepoint Atlantic
Address:	1600 Sparrows Point Blvd Sparrows Point, Md 21219
Pace Quote Reference:	
Pace Project Manager:	Samantha Bayura
Pace Profile #:	

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location
STATE: MD

Section D
Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Other	DI Water	Analysis Test Y/N	VOC + Napth by 8260	Pace Project No./ Lab I.D.
1	Trip Blank	WT	G						2				2						x	
2	C043-PZM048	WT	G				845		3				3						X	001
3	C044-PZM048	WT	G				905		3				3						X	002
4	C045-PZM047	WT	G				925		3				3						X	003
5	C046-PZM047	WT	G				950		3				3						X	004
6	~~C047-PZM046~~	~~WT~~	~~G~~						~~3~~				~~3~~						X-4P	005
7	~~C048-PZM044~~	~~WT~~	~~G~~						~~3~~				~~3~~						X-4P	
8	C042-PZM004	WT	G				1300		3				3						X	006
9	C093-PZMXXX	WT	G				1400		3				3						X	007
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Sample Conditions		
Data Package Required? (Y/N):									
Data Validation Required? (Y/N):	Pace	12-30-20	1530	Pace	12-30-20	1530			
If data package is required, attach data package checklist.	RDS Pace	12-30-20	1830	RDS Pace	12-30-20	1715	Y		
		12-30-20	2215	Marrow 2 (Lamp)	12-30-2020	2215	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lisa Perna

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 12-30-20

Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.06, 2-Feb-2007

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Tradepoint Atlantic Project # #30399217

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other

Label MLL
LIMS Login MLL

Tracking #: VIA

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used 9 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 3.3 °C Correction Factor: 0 °C Final Temp: 3.3 °C

Temp should be above freezing to 6°C

pH paper Lot# N/A

Date and Initials of person examining contents: MLL 12/31/2020

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT		✓		5. no date on coc used date on labels 12-30-2020
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):	✓			7.
Rush Turn Around Time Requested:	✓			8.
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓			10.
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: (VOA), coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix		✓		16.
All containers meet method preservation requirements.	✓			Initial when completed MLL Date/time of preservation: Lot # of added preservative:
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:	✓			18.
Trip Blank Custody Seals Present	✓			
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed: Date:

Client Notification/ Resolution:

Person Contacted: Date/Time: Contacted By:

Comments/ Resolution:

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers).

PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

January 07, 2021

Mr. Matthew Newman
Tradepoint Atlantic
1600 Sparrow's Point Boulevard
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30399218

Dear Mr. Newman:

Enclosed are the analytical results for sample(s) received by the laboratory on December 30, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

cc: Ms. Penny Gardner, Environmental Data Quality, Inc.
J.Price, ARM Group Inc.
Mr. Stewart Kabis, ARM Group Inc.
Mr. Eric S. Magdar, ARM Group Inc.
Ms. Shawne M. Rodgers, Environmental Data Quality, Inc.

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CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30399218

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30399218

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30399218001	**Trip Blank**	Water	12/17/20 00:01	12/30/20 22:15
30399218002	**CO103-PZMXXX**	Water	12/17/20 09:30	12/30/20 22:15
30399218003	**CO101-PZMXXX**	Water	12/17/20 08:30	12/30/20 22:15
30399218004	**CO102-PZMXXX**	Water	12/17/20 10:15	12/30/20 22:15
30399218005	**CO02-PZM006**	Water	12/17/20 11:00	12/30/20 22:15

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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30399218

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30399218001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30399218002	**CO103-PZMXXX**	EPA 8260B	LEL	53	PASI-PA
30399218003	**CO101-PZMXXX**	EPA 8260B	LEL	53	PASI-PA
30399218004	**CO102-PZMXXX**	EPA 8260B	LEL	53	PASI-PA
30399218005	**CO02-PZM006**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399218

Sample: Trip Blank **Lab ID: 30399218001** Collected: 12/17/20 00:01 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		12/31/20 12:48	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 12:48	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		12/31/20 12:48	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 12:48	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		12/31/20 12:48	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		12/31/20 12:48	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		12/31/20 12:48	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		12/31/20 12:48	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		12/31/20 12:48	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 12:48	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 12:48	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		12/31/20 12:48	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		12/31/20 12:48	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		12/31/20 12:48	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		12/31/20 12:48	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		12/31/20 12:48	108-10-1	L2
Acetone	**7.1J**	ug/L	10.0	5.6	1		12/31/20 12:48	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		12/31/20 12:48	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		12/31/20 12:48	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		12/31/20 12:48	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		12/31/20 12:48	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		12/31/20 12:48	75-25-2	
Bromomethane	**1.1**	ug/L	1.0	0.73	1		12/31/20 12:48	74-83-9	B
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 12:48	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		12/31/20 12:48	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		12/31/20 12:48	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		12/31/20 12:48	75-00-3	1c,CH, L1
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		12/31/20 12:48	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		12/31/20 12:48	74-87-3	1c
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		12/31/20 12:48	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		12/31/20 12:48	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		12/31/20 12:48	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		12/31/20 12:48	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		12/31/20 12:48	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		12/31/20 12:48	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		12/31/20 12:48	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 12:48	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		12/31/20 12:48	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 12:48	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 12:48	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		12/31/20 12:48	75-69-4	CH,L1
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		12/31/20 12:48	108-05-4	1c
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 12:48	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		12/31/20 12:48	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399218

Sample: Trip Blank **Lab ID: 30399218001** Collected: 12/17/20 00:01 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 12:48	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 12:48	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		12/31/20 12:48	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 12:48	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		12/31/20 12:48	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%.	70-130		1		12/31/20 12:48	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%.	70-130		1		12/31/20 12:48	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		1		12/31/20 12:48	2037-26-5	
Dibromofluoromethane (S)	121	%.	70-130		1		12/31/20 12:48	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399218

Sample: CO103-PZMXXX **Lab ID: 30399218002** Collected: 12/17/20 09:30 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		12/31/20 17:06	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 17:06	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		12/31/20 17:06	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 17:06	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		12/31/20 17:06	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		12/31/20 17:06	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		12/31/20 17:06	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		12/31/20 17:06	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		12/31/20 17:06	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 17:06	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 17:06	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		12/31/20 17:06	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		12/31/20 17:06	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		12/31/20 17:06	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		12/31/20 17:06	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		12/31/20 17:06	108-10-1	L2
Acetone	**16.6**	ug/L	10.0	5.6	1		12/31/20 17:06	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		12/31/20 17:06	107-13-1	
Benzene	**1100**	ug/L	20.0	6.8	20		12/31/20 17:32	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		12/31/20 17:06	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		12/31/20 17:06	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		12/31/20 17:06	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		12/31/20 17:06	74-83-9	B
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 17:06	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		12/31/20 17:06	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		12/31/20 17:06	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		12/31/20 17:06	75-00-3	1c,CH, L1
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		12/31/20 17:06	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		12/31/20 17:06	74-87-3	1c
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		12/31/20 17:06	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		12/31/20 17:06	74-95-3	
Ethylbenzene	**2.3**	ug/L	1.0	0.40	1		12/31/20 17:06	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		12/31/20 17:06	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		12/31/20 17:06	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		12/31/20 17:06	75-09-2	
Naphthalene	**88.4**	ug/L	2.0	0.82	1		12/31/20 17:06	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 17:06	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		12/31/20 17:06	127-18-4	
Toluene	**59.6**	ug/L	1.0	0.32	1		12/31/20 17:06	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 17:06	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		12/31/20 17:06	75-69-4	CH,L1
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		12/31/20 17:06	108-05-4	1c
Vinyl chloride	**0.69J**	ug/L	1.0	0.29	1		12/31/20 17:06	75-01-4	
Xylene (Total)	**30.5**	ug/L	3.0	1.4	1		12/31/20 17:06	1330-20-7	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399218

Sample: CO103-PZMXXX **Lab ID: 30399218002** Collected: 12/17/20 09:30 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 17:06	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 17:06	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		12/31/20 17:06	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 17:06	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		12/31/20 17:06	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	122	%.	70-130		1		12/31/20 17:06	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%.	70-130		1		12/31/20 17:06	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		1		12/31/20 17:06	2037-26-5	
Dibromofluoromethane (S)	110	%.	70-130		1		12/31/20 17:06	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399218

Sample: CO101-PZMXXX **Lab ID: 30399218003** Collected: 12/17/20 08:30 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		12/31/20 14:57	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 14:57	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		12/31/20 14:57	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 14:57	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		12/31/20 14:57	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		12/31/20 14:57	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		12/31/20 14:57	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		12/31/20 14:57	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		12/31/20 14:57	106-93-4	
1,2-Dichlorobenzene	**4.7**	ug/L	1.0	0.38	1		12/31/20 14:57	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 14:57	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		12/31/20 14:57	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		12/31/20 14:57	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		12/31/20 14:57	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		12/31/20 14:57	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		12/31/20 14:57	108-10-1	L2
Acetone	**15.8**	ug/L	10.0	5.6	1		12/31/20 14:57	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		12/31/20 14:57	107-13-1	
Benzene	**5480**	ug/L	50.0	16.9	50		01/05/21 15:51	71-43-2	H5
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		12/31/20 14:57	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		12/31/20 14:57	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		12/31/20 14:57	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		12/31/20 14:57	74-83-9	B
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 14:57	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		12/31/20 14:57	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		12/31/20 14:57	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		12/31/20 14:57	75-00-3	1c,CH, L1
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		12/31/20 14:57	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		12/31/20 14:57	74-87-3	1c
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		12/31/20 14:57	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		12/31/20 14:57	74-95-3	
Ethylbenzene	**4.9**	ug/L	1.0	0.40	1		12/31/20 14:57	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		12/31/20 14:57	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		12/31/20 14:57	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		12/31/20 14:57	75-09-2	
Naphthalene	**179**	ug/L	2.0	0.82	1		12/31/20 14:57	91-20-3	
Styrene	**1.1**	ug/L	1.0	0.33	1		12/31/20 14:57	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		12/31/20 14:57	127-18-4	
Toluene	**385**	ug/L	1.0	0.32	1		12/31/20 14:57	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 14:57	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		12/31/20 14:57	75-69-4	CH,L1
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		12/31/20 14:57	108-05-4	1c
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 14:57	75-01-4	
Xylene (Total)	**64.8**	ug/L	3.0	1.4	1		12/31/20 14:57	1330-20-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399218

Sample: CO101-PZMXXX **Lab ID: 30399218003** Collected: 12/17/20 08:30 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 14:57	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 14:57	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		12/31/20 14:57	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 14:57	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		12/31/20 14:57	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	121	%.	70-130		1		12/31/20 14:57	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%.	70-130		1		12/31/20 14:57	17060-07-0	
Toluene-d8 (S)	92	%.	70-130		1		12/31/20 14:57	2037-26-5	
Dibromofluoromethane (S)	104	%.	70-130		1		12/31/20 14:57	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399218

Sample: CO102-PZMXXX **Lab ID: 30399218004** Collected: 12/17/20 10:15 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		12/31/20 19:41	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		12/31/20 19:41	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		12/31/20 19:41	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		12/31/20 19:41	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		12/31/20 19:41	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		12/31/20 19:41	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		12/31/20 19:41	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		12/31/20 19:41	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		12/31/20 19:41	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		12/31/20 19:41	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 19:41	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 19:41	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		12/31/20 19:41	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		12/31/20 19:41	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		12/31/20 19:41	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		12/31/20 19:41	108-10-1	L2
Acetone	**57.2**	ug/L	50.0	28.0	5		12/31/20 19:41	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		12/31/20 19:41	107-13-1	
Benzene	**13500**	ug/L	100	33.8	100		12/31/20 20:07	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		12/31/20 19:41	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		12/31/20 19:41	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		12/31/20 19:41	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		12/31/20 19:41	74-83-9	B
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 19:41	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		12/31/20 19:41	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		12/31/20 19:41	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		12/31/20 19:41	75-00-3	1c,CH, L1
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		12/31/20 19:41	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		12/31/20 19:41	74-87-3	1c
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		12/31/20 19:41	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		12/31/20 19:41	74-95-3	
Ethylbenzene	**18.1**	ug/L	5.0	2.0	5		12/31/20 19:41	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		12/31/20 19:41	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		12/31/20 19:41	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		12/31/20 19:41	75-09-2	
Naphthalene	**874**	ug/L	10.0	4.1	5		12/31/20 19:41	91-20-3	
Styrene	**4.4J**	ug/L	5.0	1.6	5		12/31/20 19:41	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		12/31/20 19:41	127-18-4	
Toluene	**964**	ug/L	5.0	1.6	5		12/31/20 19:41	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		12/31/20 19:41	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		12/31/20 19:41	75-69-4	CH,L1
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		12/31/20 19:41	108-05-4	1c
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 19:41	75-01-4	
Xylene (Total)	**194**	ug/L	15.0	6.8	5		12/31/20 19:41	1330-20-7	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399218

Sample: CO102-PZMXXX **Lab ID: 30399218004** Collected: 12/17/20 10:15 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		12/31/20 19:41	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 19:41	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 19:41	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 19:41	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		12/31/20 19:41	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	117	%.	70-130		5		12/31/20 19:41	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%.	70-130		5		12/31/20 19:41	17060-07-0	
Toluene-d8 (S)	94	%.	70-130		5		12/31/20 19:41	2037-26-5	
Dibromofluoromethane (S)	100	%.	70-130		5		12/31/20 19:41	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399218

Sample: CO02-PZM006 **Lab ID: 30399218005** Collected: 12/17/20 11:00 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		12/31/20 20:32	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		12/31/20 20:32	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		12/31/20 20:32	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		12/31/20 20:32	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		12/31/20 20:32	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		12/31/20 20:32	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		12/31/20 20:32	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		12/31/20 20:32	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		12/31/20 20:32	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		12/31/20 20:32	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 20:32	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 20:32	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		12/31/20 20:32	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		12/31/20 20:32	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		12/31/20 20:32	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		12/31/20 20:32	108-10-1	L2
Acetone	**44.6J**	ug/L	50.0	28.0	5		12/31/20 20:32	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		12/31/20 20:32	107-13-1	
Benzene	**134000**	ug/L	1000	338	1000		12/31/20 20:58	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		12/31/20 20:32	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		12/31/20 20:32	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		12/31/20 20:32	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		12/31/20 20:32	74-83-9	B
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 20:32	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		12/31/20 20:32	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		12/31/20 20:32	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		12/31/20 20:32	75-00-3	1c,CH, L1
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		12/31/20 20:32	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		12/31/20 20:32	74-87-3	1c
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		12/31/20 20:32	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		12/31/20 20:32	74-95-3	
Ethylbenzene	**248**	ug/L	5.0	2.0	5		12/31/20 20:32	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		12/31/20 20:32	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		12/31/20 20:32	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		12/31/20 20:32	75-09-2	
Naphthalene	**173**	ug/L	10.0	4.1	5		12/31/20 20:32	91-20-3	
Styrene	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 20:32	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		12/31/20 20:32	127-18-4	
Toluene	**99.1**	ug/L	5.0	1.6	5		12/31/20 20:32	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		12/31/20 20:32	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		12/31/20 20:32	75-69-4	CH,L1
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		12/31/20 20:32	108-05-4	1c
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 20:32	75-01-4	
Xylene (Total)	**252**	ug/L	15.0	6.8	5		12/31/20 20:32	1330-20-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399218

Sample: CO02-PZM006 **Lab ID: 30399218005** Collected: 12/17/20 11:00 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		12/31/20 20:32	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 20:32	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 20:32	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 20:32	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		12/31/20 20:32	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	115	%.	70-130		5		12/31/20 20:32	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%.	70-130		5		12/31/20 20:32	17060-07-0	
Toluene-d8 (S)	97	%.	70-130		5		12/31/20 20:32	2037-26-5	
Dibromofluoromethane (S)	88	%.	70-130		5		12/31/20 20:32	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399218

QC Batch: 429324 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30399218001, 30399218002, 30399218003, 30399218004, 30399218005

METHOD BLANK: 2073983 Matrix: Water
Associated Lab Samples: 30399218001, 30399218002, 30399218003, 30399218004, 30399218005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	12/31/20 12:22	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	12/31/20 12:22	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	12/31/20 12:22	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	12/31/20 12:22	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	12/31/20 12:22	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	12/31/20 12:22	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	12/31/20 12:22	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	12/31/20 12:22	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	12/31/20 12:22	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	12/31/20 12:22	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	12/31/20 12:22	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	12/31/20 12:22	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	12/31/20 12:22	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	12/31/20 12:22	
2-Hexanone	ug/L	10.0 U	10.0	0.58	12/31/20 12:22	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	12/31/20 12:22	
Acetone	ug/L	10.0 U	10.0	5.6	12/31/20 12:22	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	12/31/20 12:22	
Benzene	ug/L	1.0 U	1.0	0.34	12/31/20 12:22	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	12/31/20 12:22	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	12/31/20 12:22	
Bromoform	ug/L	1.0 U	1.0	0.56	12/31/20 12:22	
Bromomethane	ug/L	1.0	1.0	0.73	12/31/20 12:22	B
Carbon disulfide	ug/L	1.0 U	1.0	0.32	12/31/20 12:22	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	12/31/20 12:22	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	12/31/20 12:22	
Chloroethane	ug/L	1.0 U	1.0	0.64	12/31/20 12:22	1c,CH
Chloroform	ug/L	1.0 U	1.0	0.39	12/31/20 12:22	
Chloromethane	ug/L	1.0 U	1.0	0.40	12/31/20 12:22	1c
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	12/31/20 12:22	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	12/31/20 12:22	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	12/31/20 12:22	
Dibromomethane	ug/L	1.0 U	1.0	0.34	12/31/20 12:22	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	12/31/20 12:22	
Iodomethane	ug/L	50.0 U	50.0	0.52	12/31/20 12:22	IH
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	12/31/20 12:22	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	12/31/20 12:22	
Naphthalene	ug/L	2.0 U	2.0	0.82	12/31/20 12:22	
Styrene	ug/L	1.0 U	1.0	0.33	12/31/20 12:22	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	12/31/20 12:22	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399218

METHOD BLANK: 2073983 Matrix: Water
Associated Lab Samples: 30399218001, 30399218002, 30399218003, 30399218004, 30399218005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	12/31/20 12:22	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	12/31/20 12:22	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	12/31/20 12:22	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	12/31/20 12:22	
Trichloroethene	ug/L	1.0 U	1.0	0.29	12/31/20 12:22	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	12/31/20 12:22	CH
Vinyl acetate	ug/L	1.0 U	1.0	0.57	12/31/20 12:22	1c
Vinyl chloride	ug/L	1.0 U	1.0	0.29	12/31/20 12:22	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	12/31/20 12:22	
1,2-Dichloroethane-d4 (S)	%.	110	70-130		12/31/20 12:22	
4-Bromofluorobenzene (S)	%.	100	70-130		12/31/20 12:22	
Dibromofluoromethane (S)	%.	117	70-130		12/31/20 12:22	
Toluene-d8 (S)	%.	95	70-130		12/31/20 12:22	

LABORATORY CONTROL SAMPLE: 2073984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.8	104	70-130	
1,1,1-Trichloroethane	ug/L	20	22.6	113	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.2	111	70-130	
1,1,2-Trichloroethane	ug/L	20	21.6	108	70-130	
1,1-Dichloroethane	ug/L	20	20.0	100	70-130	
1,1-Dichloroethene	ug/L	20	21.0	105	70-130	
1,2,3-Trichloropropane	ug/L	20	20.6	103	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	17.2	86	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	20.5	102	70-130	
1,2-Dichlorobenzene	ug/L	20	20.7	104	70-130	
1,2-Dichloroethane	ug/L	20	19.8	99	70-130	
1,2-Dichloropropane	ug/L	20	19.6	98	70-130	
1,4-Dichlorobenzene	ug/L	20	21.3	106	70-130	
2-Butanone (MEK)	ug/L	20	15.2	76	70-130	
2-Hexanone	ug/L	20	11.9	60	70-130	L2
4-Methyl-2-pentanone (MIBK)	ug/L	20	12.4	62	70-130	L2
Acetone	ug/L	20	23.1	115	67-173	
Acrylonitrile	ug/L	20	15.2	76	56-147	
Benzene	ug/L	20	19.6	98	70-130	
Bromochloromethane	ug/L	20	21.7	109	70-130	
Bromodichloromethane	ug/L	20	22.1	110	70-130	
Bromoform	ug/L	20	19.7	98	63-119	
Bromomethane	ug/L	20	30.3	151	24-159	B
Carbon disulfide	ug/L	20	18.6	93	57-132	
Carbon tetrachloride	ug/L	20	22.4	112	70-130	
Chlorobenzene	ug/L	20	20.9	104	70-130	
Chloroethane	ug/L	20	37.5	188	62-145	1c,CH,L1

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399218

LABORATORY CONTROL SAMPLE: 2073984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	20	20.7	104	70-130	
Chloromethane	ug/L	20	16.4	82	66-140	1c
cis-1,2-Dichloroethene	ug/L	20	17.3	86	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.6	98	70-130	
Dibromochloromethane	ug/L	20	20.6	103	70-130	
Dibromomethane	ug/L	20	20.7	104	70-130	
Ethylbenzene	ug/L	20	19.6	98	70-130	
Iodomethane	ug/L	20	14.4J	72	10-175	IH
Methyl-tert-butyl ether	ug/L	20	16.2	81	70-130	
Methylene Chloride	ug/L	20	18.0	90	70-130	
Naphthalene	ug/L	20	16.4	82	55-160	
Styrene	ug/L	20	18.5	93	70-130	
Tetrachloroethene	ug/L	20	21.9	109	70-130	
Toluene	ug/L	20	19.7	99	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.8	94	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.9	99	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	14.0	70	48-131	
Trichloroethene	ug/L	20	21.1	106	70-130	
Trichlorofluoromethane	ug/L	20	35.6	178	70-130	CH,L1
Vinyl acetate	ug/L	20	16.4	82	33-128	1c
Vinyl chloride	ug/L	20	21.1	105	70-130	
Xylene (Total)	ug/L	60	56.4	94	70-130	
1,2-Dichloroethane-d4 (S)	%.			98	70-130	
4-Bromofluorobenzene (S)	%.			99	70-130	
Dibromofluoromethane (S)	%.			105	70-130	
Toluene-d8 (S)	%.			95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2073985 2073986

Parameter	Units	30399219004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	5.0 U	100	100	94.9	100	95	100	59-117	6	30	
1,1,1-Trichloroethane	ug/L	5.0 U	100	100	88.3	93.3	88	93	55-146	6	30	
1,1,2,2-Tetrachloroethane	ug/L	5.0 U	100	100	106	113	106	113	55-118	7	30	
1,1,2-Trichloroethane	ug/L	5.0 U	100	100	98.5	102	99	102	61-122	3	30	
1,1-Dichloroethane	ug/L	5.0 U	100	100	72.2	76.5	72	76	59-130	6	30	
1,1-Dichloroethene	ug/L	5.0 U	100	100	59.1	63.8	59	64	52-119	8	30	
1,2,3-Trichloropropane	ug/L	5.0 U	100	100	98.9	106	99	106	59-117	7	30	
1,2-Dibromo-3-chloropropane	ug/L	25.0 U	100	100	81.4	86.6	81	87	32-112	6	30	
1,2-Dibromoethane (EDB)	ug/L	5.0 U	100	100	91.0	94.7	91	95	61-116	4	30	
1,2-Dichlorobenzene	ug/L	5.0 U	100	100	92.7	97.9	93	98	58-126	6	30	
1,2-Dichloroethane	ug/L	5.0 U	100	100	83.3	89.2	83	89	49-135	7	30	
1,2-Dichloropropane	ug/L	5.0 U	100	100	84.2	87.2	84	87	67-121	3	30	
1,4-Dichlorobenzene	ug/L	5.0 U	100	100	95.5	102	96	102	60-121	6	30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399218

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2073985 2073986

Parameter	Units	30399219004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	50.0 U	100	100	82.8	86.9	83	87	59-138	5	30	
2-Hexanone	ug/L	50.0 U	100	100	66.7	62.7	67	63	66-123	6	30	ML
4-Methyl-2-pentanone (MIBK)	ug/L	50.0 U	100	100	71.2	70.5	71	70	70-130	1	30	
Acetone	ug/L	51.7	100	100	173	181	122	129	57-140	4	30	
Acrylonitrile	ug/L	20.0 U	100	100	94.0	89.4	94	89	47-134	5	30	
Benzene	ug/L	2570	1000	1000	2950	2970	38	40	50-149	1	30	H5,ML
Bromochloromethane	ug/L	5.0 U	100	100	83.0	90.0	83	90	63-120	8	30	
Bromodichloromethane	ug/L	5.0 U	100	100	102	107	102	107	46-131	5	30	
Bromoform	ug/L	5.0 U	100	100	87.4	88.1	87	88	30-119	1	30	
Bromomethane	ug/L	5.0 U	100	100	68.9	63.8	69	64	10-163	8	30	B
Carbon disulfide	ug/L	5.0 U	100	100	112	113	112	113	41-116	1	30	
Carbon tetrachloride	ug/L	5.0 U	100	100	81.4	85.9	81	86	55-119	5	30	
Chlorobenzene	ug/L	5.0 U	100	100	93.6	99.4	94	99	66-124	6	30	
Chloroethane	ug/L	5.0 U	100	100	238	152	238	152	45-162	44	30	1c,CH, MH,R1
Chloroform	ug/L	5.0 U	100	100	84.5	92.4	84	92	56-123	9	30	
Chloromethane	ug/L	5.0 U	100	100	75.0	75.5	75	76	49-150	1	30	1c
cis-1,2-Dichloroethene	ug/L	5.0 U	100	100	67.2	67.6	67	68	63-116	1	30	
cis-1,3-Dichloropropene	ug/L	5.0 U	100	100	77.9	81.2	78	81	46-119	4	30	
Dibromochloromethane	ug/L	5.0 U	100	100	90.8	98.1	91	98	42-120	8	30	
Dibromomethane	ug/L	5.0 U	100	100	84.5	88.8	84	89	55-117	5	30	
Ethylbenzene	ug/L	21.9	100	100	113	120	91	98	63-135	6	30	
Iodomethane	ug/L	250 U	100	100	63.7J	82.2J	64	82	10-175		30	IH
Methyl-tert-butyl ether	ug/L	5.0 U	100	100	90.2	89.3	90	89	53-123	1	30	
Methylene Chloride	ug/L	5.0 U	100	100	62.1	67.9	62	68	57-132	9	30	
Naphthalene	ug/L	1420	100	100	1280	1410	-144	-8	30-157	10	30	ML
Styrene	ug/L	26.8	100	100	121	123	94	96	58-130	2	30	
Tetrachloroethene	ug/L	5.0 U	100	100	89.8	98.4	90	98	61-132	9	30	
Toluene	ug/L	960	100	100	976	1010	16	52	59-139	4	30	ML
trans-1,2-Dichloroethene	ug/L	5.0 U	100	100	65.7	66.3	66	66	60-124	1	30	
trans-1,3-Dichloropropene	ug/L	5.0 U	100	100	87.9	90.4	88	90	48-121	3	30	
trans-1,4-Dichloro-2-butene	ug/L	25.0 U	100	100	50.1	52.2	50	52	10-111	4	30	
Trichloroethene	ug/L	5.0 U	100	100	84.5	91.1	85	91	63-128	7	30	
Trichlorofluoromethane	ug/L	5.0 U	100	100	150	151	150	151	70-152	1	30	CH
Vinyl acetate	ug/L	5.0 U	100	100	74.0	72.0	74	72	23-102	3	30	1c
Vinyl chloride	ug/L	5.0 U	100	100	99.1	99.1	99	99	67-141	0	30	
Xylene (Total)	ug/L	182	300	300	456	473	91	97	63-135	4	30	
1,2-Dichloroethane-d4 (S)	%.						108	107	70-130			
4-Bromofluorobenzene (S)	%.						107	109	70-130			
Dibromofluoromethane (S)	%.						105	105	70-130			
Toluene-d8 (S)	%.						95	92	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30399218

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1c	The read back of the low concentration calibration standard for this compound is not within 30% of the true value. The results may be biased high and should be considered estimated.
B	Analyte was detected in the associated method blank.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
H5	Reanalysis conducted in excess of EPA method holding time. Results confirm original analysis performed in hold time.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30399218

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30399218001	**Trip Blank**	EPA 8260B	429324		
30399218002	**CO103-PZMXXX**	EPA 8260B	429324		
30399218003	**CO101-PZMXXX**	EPA 8260B	429324		
30399218004	**CO102-PZMXXX**	EPA 8260B	429324		
30399218005	**CO02-PZM006**	EPA 8260B	429324		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be com

WO# : 30399218

30399218

Section A Required Client Information:

Company:	Tradepoint Atlantic
Address:	1600 Sparrows Point Blvd
	Sparrows Point, MD 21219
Email To:	
Phone:	Fax:
Requested Due Date/TAT:	5 day

Section B Required Project Information:

Report To:	Matt Newman
Copy To:	Stew Kabis
PO Number:	
Project Name:	COA IM GW Sampling
Project Number:	

Section C Invoice Information:

Attention:	Matt Newman
Company Name:	Tradepoint Atlantic
Address:	1600 Sparrows Point Blvd Sparrows Point, Md 21219
Pace Quote Reference:	
Pace Project Manager:	Samantha Bayura
Pace Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: MD

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Other	DI Water	Analysis Test (Y/N)	VOC + Napth by 8260	Pace Project No./ Lab I.D.
1	Trip Blank	WT	G		12-17-20				2				2						X	
2	C0103-PZM XXX	WT	G				930		3				3						X	001
3	C0101-PZM XXX	WT	G				830		3				3						X	002
4	C0102-PZM XXX	WT	G				1015		3				3						X	003
5	C002-PZM006	WT	G				1100		3				3						X	004
6																				005
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Sample Conditions: Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Data Package Required? (Y/N):	[signature]	12-30-20	1530	[signature] / PACE	12-30-20	1530			
Data Validation Required? (Y/N):	[signature] / PACE	12-30-20	1830	RDS PACE	12-30-20	1755	Y		
If data package is required, attach data package checklist.	RDS PACE	12-30-20	2215	[signature]	12-30-2020	2215	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lisa Perrin

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 12-17-20

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.06, 2-Feb-2007

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Pittsburgh Lab Sample Condition Upon Receipt

30399218

Pace Analytical

Client Name: Tradepoint Atlantic Project #

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other

Label ML
LIMS Login ML

Tracking #: N/A

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used 9 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 3.4 °C Correction Factor: 0 °C Final Temp: 3.4 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# N/A	Date and Initials of person examining contents: ML 12/31/2020
Chain of Custody Present:	✓			1.	
Chain of Custody Filled Out:	✓			2.	
Chain of Custody Relinquished:	✓			3.	
Sampler Name & Signature on COC:	✓			4.	
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.	
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):	✓			7.	
Rush Turn Around Time Requested:	✓			8.	
Sufficient Volume:	✓			9.	
Correct Containers Used: -Pace Containers Used:	✓ ✓			10.	
Containers Intact:	✓			11.	
Orthophosphate field filtered			✓	12.	
Hex Cr Aqueous sample field filtered			✓	13.	
Organic Samples checked for dechlorination:			✓	14.	
Filtered volume received for Dissolved tests			✓	15.	
All containers have been checked for preservation. exceptions: (VOA), coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix		✓		16.	
All containers meet method preservation requirements.	✓			Initial when completed ML	Date/time of preservation
				Lot # of added preservative	
Headspace in VOA Vials (>6mm):		✓		17.	
Trip Blank Present:	✓			18.	
Trip Blank Custody Seals Present	✓				
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed:	Date:

Client Notification/ Resolution:

Person Contacted: Date/Time: Contacted By:

Comments/ Resolution:

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

January 07, 2021

Mr. Matthew Newman
Tradepoint Atlantic
1600 Sparrow's Point Boulevard
Sparrows Point, MD 21219

RE: Project: COA IM GW Sampling
Pace Project No.: 30399219

Dear Mr. Newman:

Enclosed are the analytical results for sample(s) received by the laboratory on December 30, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Samantha Bayura

Samantha Bayura
samantha.bayura@pacelabs.com
(724)850-5622
Project Manager

Enclosures

cc: Ms. Penny Gardner, Environmental Data Quality, Inc.
J.Price, ARM Group Inc.
Mr. Stewart Kabis, ARM Group Inc.
Mr. Eric S. Magdar, ARM Group Inc.
Ms. Shawne M. Rodgers, Environmental Data Quality, Inc.

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Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: COA IM GW Sampling
Pace Project No.: 30399219

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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Greensburg, PA 15601
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SAMPLE SUMMARY

Project: COA IM GW Sampling
Pace Project No.: 30399219

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30399219001	**Trip Blank**	Water	12/17/20 00:01	12/30/20 22:15
30399219002	**CO38-PZM006**	Water	12/17/20 13:00	12/30/20 22:15
30399219003	**CO38-PZM043**	Water	12/17/20 13:35	12/30/20 22:15
30399219004	**CO39-PZM042**	Water	12/17/20 14:20	12/30/20 22:15
30399219005	**CO39-PZM007**	Water	12/17/20 15:05	12/30/20 22:15

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Greensburg, PA 15601
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SAMPLE ANALYTE COUNT

Project: COA IM GW Sampling
Pace Project No.: 30399219

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30399219001	**Trip Blank**	EPA 8260B	LEL	53	PASI-PA
30399219002	**CO38-PZM006**	EPA 8260B	LEL	53	PASI-PA
30399219003	**CO38-PZM043**	EPA 8260B	LEL	53	PASI-PA
30399219004	**CO39-PZM042**	EPA 8260B	LEL	53	PASI-PA
30399219005	**CO39-PZM007**	EPA 8260B	LEL	53	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399219

Sample: Trip Blank **Lab ID: 30399219001** Collected: 12/17/20 00:01 Received: 12/30/20 22:15 Matrix: Water

Comments: • Trip blank is shared with another workorder received same day.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		12/31/20 13:14	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 13:14	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		12/31/20 13:14	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 13:14	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		12/31/20 13:14	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		12/31/20 13:14	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		12/31/20 13:14	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		12/31/20 13:14	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		12/31/20 13:14	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 13:14	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 13:14	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		12/31/20 13:14	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		12/31/20 13:14	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		12/31/20 13:14	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		12/31/20 13:14	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		12/31/20 13:14	108-10-1	L2
Acetone	**6.7J**	ug/L	10.0	5.6	1		12/31/20 13:14	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		12/31/20 13:14	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		12/31/20 13:14	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		12/31/20 13:14	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		12/31/20 13:14	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		12/31/20 13:14	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		12/31/20 13:14	74-83-9	B
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 13:14	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		12/31/20 13:14	56-23-5	
Chlorobenzene	**1.0 U**	ug/L	1.0	0.26	1		12/31/20 13:14	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		12/31/20 13:14	75-00-3	1c,CH, L1
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		12/31/20 13:14	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		12/31/20 13:14	74-87-3	1c
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		12/31/20 13:14	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		12/31/20 13:14	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		12/31/20 13:14	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		12/31/20 13:14	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		12/31/20 13:14	1634-04-4	
Methylene Chloride	**1.9**	ug/L	1.0	0.64	1		12/31/20 13:14	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		12/31/20 13:14	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 13:14	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		12/31/20 13:14	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 13:14	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 13:14	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		12/31/20 13:14	75-69-4	CH,L1
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		12/31/20 13:14	108-05-4	1c
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 13:14	75-01-4	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399219

Sample: Trip Blank **Lab ID: 30399219001** Collected: 12/17/20 00:01 Received: 12/30/20 22:15 Matrix: Water

Comments: • Trip blank is shared with another workorder received same day.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		12/31/20 13:14	1330-20-7	
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 13:14	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 13:14	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		12/31/20 13:14	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 13:14	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		12/31/20 13:14	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		12/31/20 13:14	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%.	70-130		1		12/31/20 13:14	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		1		12/31/20 13:14	2037-26-5	
Dibromofluoromethane (S)	123	%.	70-130		1		12/31/20 13:14	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399219

Sample: CO38-PZM006 **Lab ID: 30399219002** Collected: 12/17/20 13:00 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		12/31/20 17:58	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		12/31/20 17:58	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		12/31/20 17:58	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		12/31/20 17:58	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		12/31/20 17:58	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		12/31/20 17:58	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		12/31/20 17:58	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		12/31/20 17:58	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		12/31/20 17:58	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		12/31/20 17:58	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 17:58	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 17:58	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		12/31/20 17:58	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		12/31/20 17:58	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		12/31/20 17:58	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		12/31/20 17:58	108-10-1	L2
Acetone	**56.9**	ug/L	50.0	28.0	5		12/31/20 17:58	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		12/31/20 17:58	107-13-1	
Benzene	**5420**	ug/L	20.0	6.8	20		12/31/20 18:24	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		12/31/20 17:58	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		12/31/20 17:58	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		12/31/20 17:58	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		12/31/20 17:58	74-83-9	B
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 17:58	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		12/31/20 17:58	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		12/31/20 17:58	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		12/31/20 17:58	75-00-3	1c,CH, L1
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		12/31/20 17:58	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		12/31/20 17:58	74-87-3	1c
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		12/31/20 17:58	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		12/31/20 17:58	74-95-3	
Ethylbenzene	**54.3**	ug/L	5.0	2.0	5		12/31/20 17:58	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		12/31/20 17:58	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		12/31/20 17:58	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		12/31/20 17:58	75-09-2	
Naphthalene	**1360**	ug/L	10.0	4.1	5		12/31/20 17:58	91-20-3	
Styrene	**35.9**	ug/L	5.0	1.6	5		12/31/20 17:58	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		12/31/20 17:58	127-18-4	
Toluene	**1300**	ug/L	5.0	1.6	5		12/31/20 17:58	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		12/31/20 17:58	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		12/31/20 17:58	75-69-4	CH,L1
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		12/31/20 17:58	108-05-4	1c
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 17:58	75-01-4	
Xylene (Total)	**452**	ug/L	15.0	6.8	5		12/31/20 17:58	1330-20-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399219

Sample: CO38-PZM006 **Lab ID: 30399219002** Collected: 12/17/20 13:00 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		12/31/20 17:58	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 17:58	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 17:58	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 17:58	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		12/31/20 17:58	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	115	%.	70-130		5		12/31/20 17:58	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%.	70-130		5		12/31/20 17:58	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		5		12/31/20 17:58	2037-26-5	
Dibromofluoromethane (S)	104	%.	70-130		5		12/31/20 17:58	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399219

Sample: CO38-PZM043 **Lab ID: 30399219003** Collected: 12/17/20 13:35 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.55	1		12/31/20 14:32	630-20-6	
1,1,1-Trichloroethane	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 14:32	71-55-6	
1,1,2,2-Tetrachloroethane	**1.0 U**	ug/L	1.0	0.47	1		12/31/20 14:32	79-34-5	
1,1,2-Trichloroethane	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 14:32	79-00-5	
1,1-Dichloroethane	**1.0 U**	ug/L	1.0	0.24	1		12/31/20 14:32	75-34-3	
1,1-Dichloroethene	**1.0 U**	ug/L	1.0	0.24	1		12/31/20 14:32	75-35-4	
1,2,3-Trichloropropane	**1.0 U**	ug/L	1.0	0.58	1		12/31/20 14:32	96-18-4	
1,2-Dibromo-3-chloropropane	**5.0 U**	ug/L	5.0	0.55	1		12/31/20 14:32	96-12-8	
1,2-Dibromoethane (EDB)	**1.0 U**	ug/L	1.0	0.44	1		12/31/20 14:32	106-93-4	
1,2-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 14:32	95-50-1	
1,2-Dichloroethane	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 14:32	107-06-2	
1,2-Dichloropropane	**1.0 U**	ug/L	1.0	0.28	1		12/31/20 14:32	78-87-5	
1,4-Dichlorobenzene	**1.0 U**	ug/L	1.0	0.48	1		12/31/20 14:32	106-46-7	
2-Butanone (MEK)	**10.0 U**	ug/L	10.0	1.5	1		12/31/20 14:32	78-93-3	
2-Hexanone	**10.0 U**	ug/L	10.0	0.58	1		12/31/20 14:32	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**10.0 U**	ug/L	10.0	0.42	1		12/31/20 14:32	108-10-1	L2
Acetone	**10.0 U**	ug/L	10.0	5.6	1		12/31/20 14:32	67-64-1	
Acrylonitrile	**4.0 U**	ug/L	4.0	0.55	1		12/31/20 14:32	107-13-1	
Benzene	**1.0 U**	ug/L	1.0	0.34	1		12/31/20 14:32	71-43-2	
Bromochloromethane	**1.0 U**	ug/L	1.0	0.48	1		12/31/20 14:32	74-97-5	
Bromodichloromethane	**1.0 U**	ug/L	1.0	0.35	1		12/31/20 14:32	75-27-4	
Bromoform	**1.0 U**	ug/L	1.0	0.56	1		12/31/20 14:32	75-25-2	
Bromomethane	**1.0 U**	ug/L	1.0	0.73	1		12/31/20 14:32	74-83-9	B
Carbon disulfide	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 14:32	75-15-0	
Carbon tetrachloride	**1.0 U**	ug/L	1.0	0.44	1		12/31/20 14:32	56-23-5	
Chlorobenzene	**0.32J**	ug/L	1.0	0.26	1		12/31/20 14:32	108-90-7	
Chloroethane	**1.0 U**	ug/L	1.0	0.64	1		12/31/20 14:32	75-00-3	1c,CH, L1
Chloroform	**1.0 U**	ug/L	1.0	0.39	1		12/31/20 14:32	67-66-3	
Chloromethane	**1.0 U**	ug/L	1.0	0.40	1		12/31/20 14:32	74-87-3	1c
Dibromochloromethane	**1.0 U**	ug/L	1.0	0.43	1		12/31/20 14:32	124-48-1	
Dibromomethane	**1.0 U**	ug/L	1.0	0.34	1		12/31/20 14:32	74-95-3	
Ethylbenzene	**1.0 U**	ug/L	1.0	0.40	1		12/31/20 14:32	100-41-4	
Iodomethane	**50.0 U**	ug/L	50.0	0.52	1		12/31/20 14:32	74-88-4	IH
Methyl-tert-butyl ether	**1.0 U**	ug/L	1.0	0.25	1		12/31/20 14:32	1634-04-4	
Methylene Chloride	**1.0 U**	ug/L	1.0	0.64	1		12/31/20 14:32	75-09-2	
Naphthalene	**2.0 U**	ug/L	2.0	0.82	1		12/31/20 14:32	91-20-3	
Styrene	**1.0 U**	ug/L	1.0	0.33	1		12/31/20 14:32	100-42-5	
Tetrachloroethene	**1.0 U**	ug/L	1.0	0.39	1		12/31/20 14:32	127-18-4	
Toluene	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 14:32	108-88-3	
Trichloroethene	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 14:32	79-01-6	
Trichlorofluoromethane	**1.0 U**	ug/L	1.0	0.51	1		12/31/20 14:32	75-69-4	CH,L1
Vinyl acetate	**1.0 U**	ug/L	1.0	0.57	1		12/31/20 14:32	108-05-4	1c
Vinyl chloride	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 14:32	75-01-4	
Xylene (Total)	**3.0 U**	ug/L	3.0	1.4	1		12/31/20 14:32	1330-20-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399219

Sample: CO38-PZM043 **Lab ID: 30399219003** Collected: 12/17/20 13:35 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.38	1		12/31/20 14:32	156-59-2	
cis-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.29	1		12/31/20 14:32	10061-01-5	
trans-1,2-Dichloroethene	**1.0 U**	ug/L	1.0	0.28	1		12/31/20 14:32	156-60-5	
trans-1,3-Dichloropropene	**1.0 U**	ug/L	1.0	0.32	1		12/31/20 14:32	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	5.0	0.58	1		12/31/20 14:32	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%.	70-130		1		12/31/20 14:32	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%.	70-130		1		12/31/20 14:32	17060-07-0	
Toluene-d8 (S)	96	%.	70-130		1		12/31/20 14:32	2037-26-5	
Dibromofluoromethane (S)	125	%.	70-130		1		12/31/20 14:32	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399219

Sample: CO39-PZM042 **Lab ID: 30399219004** Collected: 12/17/20 14:20 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		12/31/20 15:49	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		12/31/20 15:49	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		12/31/20 15:49	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		12/31/20 15:49	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		12/31/20 15:49	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		12/31/20 15:49	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		12/31/20 15:49	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		12/31/20 15:49	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		12/31/20 15:49	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		12/31/20 15:49	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 15:49	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 15:49	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		12/31/20 15:49	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		12/31/20 15:49	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		12/31/20 15:49	591-78-6	L2,ML
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		12/31/20 15:49	108-10-1	L2
Acetone	**51.7**	ug/L	50.0	28.0	5		12/31/20 15:49	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		12/31/20 15:49	107-13-1	
Benzene	**2570**	ug/L	50.0	16.9	50		01/06/21 16:31	71-43-2	H5,ML
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		12/31/20 15:49	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		12/31/20 15:49	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		12/31/20 15:49	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		12/31/20 15:49	74-83-9	B
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 15:49	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		12/31/20 15:49	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		12/31/20 15:49	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		12/31/20 15:49	75-00-3	1c,CH, L1,MH, R1
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		12/31/20 15:49	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		12/31/20 15:49	74-87-3	1c
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		12/31/20 15:49	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		12/31/20 15:49	74-95-3	
Ethylbenzene	**21.9**	ug/L	5.0	2.0	5		12/31/20 15:49	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		12/31/20 15:49	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		12/31/20 15:49	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		12/31/20 15:49	75-09-2	
Naphthalene	**1420**	ug/L	10.0	4.1	5		12/31/20 15:49	91-20-3	ML
Styrene	**26.8**	ug/L	5.0	1.6	5		12/31/20 15:49	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		12/31/20 15:49	127-18-4	
Toluene	**960**	ug/L	5.0	1.6	5		12/31/20 15:49	108-88-3	ML
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		12/31/20 15:49	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		12/31/20 15:49	75-69-4	CH,L1
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		12/31/20 15:49	108-05-4	1c
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 15:49	75-01-4	

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(724)850-5600

ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399219

Sample: CO39-PZM042 **Lab ID: 30399219004** Collected: 12/17/20 14:20 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
Xylene (Total)	**182**	ug/L	15.0	6.8	5		12/31/20 15:49	1330-20-7	
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		12/31/20 15:49	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 15:49	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 15:49	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 15:49	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		12/31/20 15:49	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	120	%.	70-130		5		12/31/20 15:49	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%.	70-130		5		12/31/20 15:49	17060-07-0	
Toluene-d8 (S)	91	%.	70-130		5		12/31/20 15:49	2037-26-5	
Dibromofluoromethane (S)	112	%.	70-130		5		12/31/20 15:49	1868-53-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399219

Sample: CO39-PZM007 **Lab ID: 30399219005** Collected: 12/17/20 15:05 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
1,1,1,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.7	5		12/31/20 18:49	630-20-6	
1,1,1-Trichloroethane	**5.0 U**	ug/L	5.0	1.9	5		12/31/20 18:49	71-55-6	
1,1,2,2-Tetrachloroethane	**5.0 U**	ug/L	5.0	2.4	5		12/31/20 18:49	79-34-5	
1,1,2-Trichloroethane	**5.0 U**	ug/L	5.0	1.7	5		12/31/20 18:49	79-00-5	
1,1-Dichloroethane	**5.0 U**	ug/L	5.0	1.2	5		12/31/20 18:49	75-34-3	
1,1-Dichloroethene	**5.0 U**	ug/L	5.0	1.2	5		12/31/20 18:49	75-35-4	
1,2,3-Trichloropropane	**5.0 U**	ug/L	5.0	2.9	5		12/31/20 18:49	96-18-4	
1,2-Dibromo-3-chloropropane	**25.0 U**	ug/L	25.0	2.7	5		12/31/20 18:49	96-12-8	
1,2-Dibromoethane (EDB)	**5.0 U**	ug/L	5.0	2.2	5		12/31/20 18:49	106-93-4	
1,2-Dichlorobenzene	**5.0 U**	ug/L	5.0	1.9	5		12/31/20 18:49	95-50-1	
1,2-Dichloroethane	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 18:49	107-06-2	
1,2-Dichloropropane	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 18:49	78-87-5	
1,4-Dichlorobenzene	**5.0 U**	ug/L	5.0	2.4	5		12/31/20 18:49	106-46-7	
2-Butanone (MEK)	**50.0 U**	ug/L	50.0	7.6	5		12/31/20 18:49	78-93-3	
2-Hexanone	**50.0 U**	ug/L	50.0	2.9	5		12/31/20 18:49	591-78-6	L2
4-Methyl-2-pentanone (MIBK)	**50.0 U**	ug/L	50.0	2.1	5		12/31/20 18:49	108-10-1	L2
Acetone	**39.5J**	ug/L	50.0	28.0	5		12/31/20 18:49	67-64-1	
Acrylonitrile	**20.0 U**	ug/L	20.0	2.8	5		12/31/20 18:49	107-13-1	
Benzene	**515**	ug/L	5.0	1.7	5		12/31/20 18:49	71-43-2	
Bromochloromethane	**5.0 U**	ug/L	5.0	2.4	5		12/31/20 18:49	74-97-5	
Bromodichloromethane	**5.0 U**	ug/L	5.0	1.7	5		12/31/20 18:49	75-27-4	
Bromoform	**5.0 U**	ug/L	5.0	2.8	5		12/31/20 18:49	75-25-2	
Bromomethane	**5.0 U**	ug/L	5.0	3.6	5		12/31/20 18:49	74-83-9	B
Carbon disulfide	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 18:49	75-15-0	
Carbon tetrachloride	**5.0 U**	ug/L	5.0	2.2	5		12/31/20 18:49	56-23-5	
Chlorobenzene	**5.0 U**	ug/L	5.0	1.3	5		12/31/20 18:49	108-90-7	
Chloroethane	**5.0 U**	ug/L	5.0	3.2	5		12/31/20 18:49	75-00-3	1c,CH, L1
Chloroform	**5.0 U**	ug/L	5.0	2.0	5		12/31/20 18:49	67-66-3	
Chloromethane	**5.0 U**	ug/L	5.0	2.0	5		12/31/20 18:49	74-87-3	1c
Dibromochloromethane	**5.0 U**	ug/L	5.0	2.1	5		12/31/20 18:49	124-48-1	
Dibromomethane	**5.0 U**	ug/L	5.0	1.7	5		12/31/20 18:49	74-95-3	
Ethylbenzene	**5.0 U**	ug/L	5.0	2.0	5		12/31/20 18:49	100-41-4	
Iodomethane	**250 U**	ug/L	250	2.6	5		12/31/20 18:49	74-88-4	IH
Methyl-tert-butyl ether	**5.0 U**	ug/L	5.0	1.2	5		12/31/20 18:49	1634-04-4	
Methylene Chloride	**5.0 U**	ug/L	5.0	3.2	5		12/31/20 18:49	75-09-2	
Naphthalene	**548**	ug/L	10.0	4.1	5		12/31/20 18:49	91-20-3	
Styrene	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 18:49	100-42-5	
Tetrachloroethene	**5.0 U**	ug/L	5.0	2.0	5		12/31/20 18:49	127-18-4	
Toluene	**27.2**	ug/L	5.0	1.6	5		12/31/20 18:49	108-88-3	
Trichloroethene	**5.0 U**	ug/L	5.0	1.5	5		12/31/20 18:49	79-01-6	
Trichlorofluoromethane	**5.0 U**	ug/L	5.0	2.5	5		12/31/20 18:49	75-69-4	CH,L1
Vinyl acetate	**5.0 U**	ug/L	5.0	2.9	5		12/31/20 18:49	108-05-4	1c
Vinyl chloride	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 18:49	75-01-4	
Xylene (Total)	**6.8J**	ug/L	15.0	6.8	5		12/31/20 18:49	1330-20-7	

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ANALYTICAL RESULTS

Project: COA IM GW Sampling
Pace Project No.: 30399219

Sample: CO39-PZM007 **Lab ID: 30399219005** Collected: 12/17/20 15:05 Received: 12/30/20 22:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B Pace Analytical Services - Greensburg								
cis-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.9	5		12/31/20 18:49	156-59-2	
cis-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 18:49	10061-01-5	
trans-1,2-Dichloroethene	**5.0 U**	ug/L	5.0	1.4	5		12/31/20 18:49	156-60-5	
trans-1,3-Dichloropropene	**5.0 U**	ug/L	5.0	1.6	5		12/31/20 18:49	10061-02-6	
trans-1,4-Dichloro-2-butene	**25.0 U**	ug/L	25.0	2.9	5		12/31/20 18:49	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	119	%.	70-130		5		12/31/20 18:49	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%.	70-130		5		12/31/20 18:49	17060-07-0	
Toluene-d8 (S)	95	%.	70-130		5		12/31/20 18:49	2037-26-5	
Dibromofluoromethane (S)	111	%.	70-130		5		12/31/20 18:49	1868-53-7	

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399219

QC Batch: 429324 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30399219001, 30399219002, 30399219003, 30399219004, 30399219005

METHOD BLANK: 2073983 Matrix: Water
Associated Lab Samples: 30399219001, 30399219002, 30399219003, 30399219004, 30399219005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.55	12/31/20 12:22	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	0.38	12/31/20 12:22	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	0.47	12/31/20 12:22	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	0.33	12/31/20 12:22	
1,1-Dichloroethane	ug/L	1.0 U	1.0	0.24	12/31/20 12:22	
1,1-Dichloroethene	ug/L	1.0 U	1.0	0.24	12/31/20 12:22	
1,2,3-Trichloropropane	ug/L	1.0 U	1.0	0.58	12/31/20 12:22	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	0.55	12/31/20 12:22	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	0.44	12/31/20 12:22	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	0.38	12/31/20 12:22	
1,2-Dichloroethane	ug/L	1.0 U	1.0	0.33	12/31/20 12:22	
1,2-Dichloropropane	ug/L	1.0 U	1.0	0.28	12/31/20 12:22	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	0.48	12/31/20 12:22	
2-Butanone (MEK)	ug/L	10.0 U	10.0	1.5	12/31/20 12:22	
2-Hexanone	ug/L	10.0 U	10.0	0.58	12/31/20 12:22	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	0.42	12/31/20 12:22	
Acetone	ug/L	10.0 U	10.0	5.6	12/31/20 12:22	
Acrylonitrile	ug/L	4.0 U	4.0	0.55	12/31/20 12:22	
Benzene	ug/L	1.0 U	1.0	0.34	12/31/20 12:22	
Bromochloromethane	ug/L	1.0 U	1.0	0.48	12/31/20 12:22	
Bromodichloromethane	ug/L	1.0 U	1.0	0.35	12/31/20 12:22	
Bromoform	ug/L	1.0 U	1.0	0.56	12/31/20 12:22	
Bromomethane	ug/L	1.0	1.0	0.73	12/31/20 12:22	B
Carbon disulfide	ug/L	1.0 U	1.0	0.32	12/31/20 12:22	
Carbon tetrachloride	ug/L	1.0 U	1.0	0.44	12/31/20 12:22	
Chlorobenzene	ug/L	1.0 U	1.0	0.26	12/31/20 12:22	
Chloroethane	ug/L	1.0 U	1.0	0.64	12/31/20 12:22	1c,CH
Chloroform	ug/L	1.0 U	1.0	0.39	12/31/20 12:22	
Chloromethane	ug/L	1.0 U	1.0	0.40	12/31/20 12:22	1c
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.38	12/31/20 12:22	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.29	12/31/20 12:22	
Dibromochloromethane	ug/L	1.0 U	1.0	0.43	12/31/20 12:22	
Dibromomethane	ug/L	1.0 U	1.0	0.34	12/31/20 12:22	
Ethylbenzene	ug/L	1.0 U	1.0	0.40	12/31/20 12:22	
Iodomethane	ug/L	50.0 U	50.0	0.52	12/31/20 12:22	IH
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	0.25	12/31/20 12:22	
Methylene Chloride	ug/L	1.0 U	1.0	0.64	12/31/20 12:22	
Naphthalene	ug/L	2.0 U	2.0	0.82	12/31/20 12:22	
Styrene	ug/L	1.0 U	1.0	0.33	12/31/20 12:22	
Tetrachloroethene	ug/L	1.0 U	1.0	0.39	12/31/20 12:22	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399219

METHOD BLANK: 2073983 Matrix: Water
Associated Lab Samples: 30399219001, 30399219002, 30399219003, 30399219004, 30399219005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Toluene	ug/L	1.0 U	1.0	0.32	12/31/20 12:22	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	0.28	12/31/20 12:22	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	0.32	12/31/20 12:22	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0	0.58	12/31/20 12:22	
Trichloroethene	ug/L	1.0 U	1.0	0.29	12/31/20 12:22	
Trichlorofluoromethane	ug/L	1.0 U	1.0	0.51	12/31/20 12:22	CH
Vinyl acetate	ug/L	1.0 U	1.0	0.57	12/31/20 12:22	1c
Vinyl chloride	ug/L	1.0 U	1.0	0.29	12/31/20 12:22	
Xylene (Total)	ug/L	3.0 U	3.0	1.4	12/31/20 12:22	
1,2-Dichloroethane-d4 (S)	%.	110	70-130		12/31/20 12:22	
4-Bromofluorobenzene (S)	%.	100	70-130		12/31/20 12:22	
Dibromofluoromethane (S)	%.	117	70-130		12/31/20 12:22	
Toluene-d8 (S)	%.	95	70-130		12/31/20 12:22	

LABORATORY CONTROL SAMPLE: 2073984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.8	104	70-130	
1,1,1-Trichloroethane	ug/L	20	22.6	113	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.2	111	70-130	
1,1,2-Trichloroethane	ug/L	20	21.6	108	70-130	
1,1-Dichloroethane	ug/L	20	20.0	100	70-130	
1,1-Dichloroethene	ug/L	20	21.0	105	70-130	
1,2,3-Trichloropropane	ug/L	20	20.6	103	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	17.2	86	59-122	
1,2-Dibromoethane (EDB)	ug/L	20	20.5	102	70-130	
1,2-Dichlorobenzene	ug/L	20	20.7	104	70-130	
1,2-Dichloroethane	ug/L	20	19.8	99	70-130	
1,2-Dichloropropane	ug/L	20	19.6	98	70-130	
1,4-Dichlorobenzene	ug/L	20	21.3	106	70-130	
2-Butanone (MEK)	ug/L	20	15.2	76	70-130	
2-Hexanone	ug/L	20	11.9	60	70-130	L2
4-Methyl-2-pentanone (MIBK)	ug/L	20	12.4	62	70-130	L2
Acetone	ug/L	20	23.1	115	67-173	
Acrylonitrile	ug/L	20	15.2	76	56-147	
Benzene	ug/L	20	19.6	98	70-130	
Bromochloromethane	ug/L	20	21.7	109	70-130	
Bromodichloromethane	ug/L	20	22.1	110	70-130	
Bromoform	ug/L	20	19.7	98	63-119	
Bromomethane	ug/L	20	30.3	151	24-159	B
Carbon disulfide	ug/L	20	18.6	93	57-132	
Carbon tetrachloride	ug/L	20	22.4	112	70-130	
Chlorobenzene	ug/L	20	20.9	104	70-130	
Chloroethane	ug/L	20	37.5	188	62-145	1c,CH,L1

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399219

LABORATORY CONTROL SAMPLE: 2073984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	20	20.7	104	70-130	
Chloromethane	ug/L	20	16.4	82	66-140	1c
cis-1,2-Dichloroethene	ug/L	20	17.3	86	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.6	98	70-130	
Dibromochloromethane	ug/L	20	20.6	103	70-130	
Dibromomethane	ug/L	20	20.7	104	70-130	
Ethylbenzene	ug/L	20	19.6	98	70-130	
Iodomethane	ug/L	20	14.4J	72	10-175	IH
Methyl-tert-butyl ether	ug/L	20	16.2	81	70-130	
Methylene Chloride	ug/L	20	18.0	90	70-130	
Naphthalene	ug/L	20	16.4	82	55-160	
Styrene	ug/L	20	18.5	93	70-130	
Tetrachloroethene	ug/L	20	21.9	109	70-130	
Toluene	ug/L	20	19.7	99	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.8	94	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.9	99	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	14.0	70	48-131	
Trichloroethene	ug/L	20	21.1	106	70-130	
Trichlorofluoromethane	ug/L	20	35.6	178	70-130	CH,L1
Vinyl acetate	ug/L	20	16.4	82	33-128	1c
Vinyl chloride	ug/L	20	21.1	105	70-130	
Xylene (Total)	ug/L	60	56.4	94	70-130	
1,2-Dichloroethane-d4 (S)	%.			98	70-130	
4-Bromofluorobenzene (S)	%.			99	70-130	
Dibromofluoromethane (S)	%.			105	70-130	
Toluene-d8 (S)	%.			95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2073985 2073986

Parameter	Units	30399219004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	5.0 U	100	100	94.9	100	95	100	59-117	6	30	
1,1,1-Trichloroethane	ug/L	5.0 U	100	100	88.3	93.3	88	93	55-146	6	30	
1,1,2,2-Tetrachloroethane	ug/L	5.0 U	100	100	106	113	106	113	55-118	7	30	
1,1,2-Trichloroethane	ug/L	5.0 U	100	100	98.5	102	99	102	61-122	3	30	
1,1-Dichloroethane	ug/L	5.0 U	100	100	72.2	76.5	72	76	59-130	6	30	
1,1-Dichloroethene	ug/L	5.0 U	100	100	59.1	63.8	59	64	52-119	8	30	
1,2,3-Trichloropropane	ug/L	5.0 U	100	100	98.9	106	99	106	59-117	7	30	
1,2-Dibromo-3-chloropropane	ug/L	25.0 U	100	100	81.4	86.6	81	87	32-112	6	30	
1,2-Dibromoethane (EDB)	ug/L	5.0 U	100	100	91.0	94.7	91	95	61-116	4	30	
1,2-Dichlorobenzene	ug/L	5.0 U	100	100	92.7	97.9	93	98	58-126	6	30	
1,2-Dichloroethane	ug/L	5.0 U	100	100	83.3	89.2	83	89	49-135	7	30	
1,2-Dichloropropane	ug/L	5.0 U	100	100	84.2	87.2	84	87	67-121	3	30	
1,4-Dichlorobenzene	ug/L	5.0 U	100	100	95.5	102	96	102	60-121	6	30	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: COA IM GW Sampling
Pace Project No.: 30399219

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2073985 2073986

Parameter	Units	30399219004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	50.0 U	100	100	82.8	86.9	83	87	59-138	5	30	
2-Hexanone	ug/L	50.0 U	100	100	66.7	62.7	67	63	66-123	6	30	ML
4-Methyl-2-pentanone (MIBK)	ug/L	50.0 U	100	100	71.2	70.5	71	70	70-130	1	30	
Acetone	ug/L	51.7	100	100	173	181	122	129	57-140	4	30	
Acrylonitrile	ug/L	20.0 U	100	100	94.0	89.4	94	89	47-134	5	30	
Benzene	ug/L	2570	1000	1000	2950	2970	38	40	50-149	1	30	H5,ML
Bromochloromethane	ug/L	5.0 U	100	100	83.0	90.0	83	90	63-120	8	30	
Bromodichloromethane	ug/L	5.0 U	100	100	102	107	102	107	46-131	5	30	
Bromoform	ug/L	5.0 U	100	100	87.4	88.1	87	88	30-119	1	30	
Bromomethane	ug/L	5.0 U	100	100	68.9	63.8	69	64	10-163	8	30	B
Carbon disulfide	ug/L	5.0 U	100	100	112	113	112	113	41-116	1	30	
Carbon tetrachloride	ug/L	5.0 U	100	100	81.4	85.9	81	86	55-119	5	30	
Chlorobenzene	ug/L	5.0 U	100	100	93.6	99.4	94	99	66-124	6	30	
Chloroethane	ug/L	5.0 U	100	100	238	152	238	152	45-162	44	30	1c,CH, MH,R1
Chloroform	ug/L	5.0 U	100	100	84.5	92.4	84	92	56-123	9	30	
Chloromethane	ug/L	5.0 U	100	100	75.0	75.5	75	76	49-150	1	30	1c
cis-1,2-Dichloroethene	ug/L	5.0 U	100	100	67.2	67.6	67	68	63-116	1	30	
cis-1,3-Dichloropropene	ug/L	5.0 U	100	100	77.9	81.2	78	81	46-119	4	30	
Dibromochloromethane	ug/L	5.0 U	100	100	90.8	98.1	91	98	42-120	8	30	
Dibromomethane	ug/L	5.0 U	100	100	84.5	88.8	84	89	55-117	5	30	
Ethylbenzene	ug/L	21.9	100	100	113	120	91	98	63-135	6	30	
Iodomethane	ug/L	250 U	100	100	63.7J	82.2J	64	82	10-175		30	IH
Methyl-tert-butyl ether	ug/L	5.0 U	100	100	90.2	89.3	90	89	53-123	1	30	
Methylene Chloride	ug/L	5.0 U	100	100	62.1	67.9	62	68	57-132	9	30	
Naphthalene	ug/L	1420	100	100	1280	1410	-144	-8	30-157	10	30	ML
Styrene	ug/L	26.8	100	100	121	123	94	96	58-130	2	30	
Tetrachloroethene	ug/L	5.0 U	100	100	89.8	98.4	90	98	61-132	9	30	
Toluene	ug/L	960	100	100	976	1010	16	52	59-139	4	30	ML
trans-1,2-Dichloroethene	ug/L	5.0 U	100	100	65.7	66.3	66	66	60-124	1	30	
trans-1,3-Dichloropropene	ug/L	5.0 U	100	100	87.9	90.4	88	90	48-121	3	30	
trans-1,4-Dichloro-2-butene	ug/L	25.0 U	100	100	50.1	52.2	50	52	10-111	4	30	
Trichloroethene	ug/L	5.0 U	100	100	84.5	91.1	85	91	63-128	7	30	
Trichlorofluoromethane	ug/L	5.0 U	100	100	150	151	150	151	70-152	1	30	CH
Vinyl acetate	ug/L	5.0 U	100	100	74.0	72.0	74	72	23-102	3	30	1c
Vinyl chloride	ug/L	5.0 U	100	100	99.1	99.1	99	99	67-141	0	30	
Xylene (Total)	ug/L	182	300	300	456	473	91	97	63-135	4	30	
1,2-Dichloroethane-d4 (S)	%.						108	107	70-130			
4-Bromofluorobenzene (S)	%.						107	109	70-130			
Dibromofluoromethane (S)	%.						105	105	70-130			
Toluene-d8 (S)	%.						95	92	70-130			

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: COA IM GW Sampling
Pace Project No.: 30399219

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1c	The read back of the low concentration calibration standard for this compound is not within 30% of the true value. The results may be biased high and should be considered estimated.
B	Analyte was detected in the associated method blank.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
H5	Reanalysis conducted in excess of EPA method holding time. Results confirm original analysis performed in hold time.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COA IM GW Sampling
Pace Project No.: 30399219

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30399219001	**Trip Blank**	EPA 8260B	429324		
30399219002	**CO38-PZM006**	EPA 8260B	429324		
30399219003	**CO38-PZM043**	EPA 8260B	429324		
30399219004	**CO39-PZM042**	EPA 8260B	429324		
30399219005	**CO39-PZM007**	EPA 8260B	429324		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be com

WO# : 30399219

30399219

Section A
Required Client Information:

Company:	Tradepoint Atlantic
Address:	1600 Sparrows Point Blvd
	Sparrows Point, MD 21219
Email To:	
Phone:	Fax:
Requested Due Date/TAT:	5 day

Section B
Required Project Information:

Report To:	Matt Newman
Copy To:	Stew Kabis
PO Number:	
Project Name:	COA IM GW Sampling
Project Number:	

Section C
Invoice Information:

Attention:	Matt Newman
Company Name:	Tradepoint Atlantic
Address:	1600 Sparrows Point Blvd Sparrows Point, Md 21219
Pace Quote Reference:	
Pace Project Manager:	Samantha Bayura
Pace Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location
STATE: MD

Section D
Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Other	DI Water	Analysis Test (Y/N)	VOC + Napth by 8260	Pace Project No./ Lab I.D.
1	Trip Blank (on other chain)	WT	G		12-17-20		—													
2	C038-PZM006	WT	G				1300		3				3						X	001
3	C038-PZM043	WT	G				1335		3				3						X	002
4	C039-PZM042	WT	G				1420		3				3						X	003
5	C039-PZM007	WT	G				1505		3				3						X	004
6																				005
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Sample Conditions: Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Data Package Required? (Y/N):	[signature]	12/30/20	1530	[signature] / PACE	12/30/20	1530			
Data Validation Required? (Y/N):	[signature] / PACE	12/30/20	1830	RDS FACE	12/30/20	1755	✓		
If data package is required, attach data package checklist.	RDS FACE	12/30/20	2215	Marion L Clary	12/30/20	2215	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lisa Perrin

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 12-17-20

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.06, 2-Feb-2007

3.4

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Tradepoint Atlantic Project # #_30399219

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other

Label MLC
LIMS Login MLC

Tracking #: N/A

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Thermometer Used 9 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 3.6 °C Correction Factor: 0 °C Final Temp: 3.6 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# N/A	Date and Initials of person examining contents: MLC 12/31/2020
Chain of Custody Present:	✓			1.	
Chain of Custody Filled Out:	✓			2.	
Chain of Custody Relinquished:	✓			3.	
Sampler Name & Signature on COC:	✓			4.	
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.	
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):	✓			7.	
Rush Turn Around Time Requested:	✓			8.	
Sufficient Volume:	✓			9.	
Correct Containers Used:	✓			10.	
-Pace Containers Used:	✓				
Containers Intact:	✓			11.	
Orthophosphate field filtered			✓	12.	
Hex Cr Aqueous sample field filtered			✓	13.	
Organic Samples checked for dechlorination:			✓	14.	
Filtered volume received for Dissolved tests			✓	15.	
All containers have been checked for preservation. exceptions: (VOA), coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix		✓		16.	
All containers meet method preservation requirements.	✓			Initial when completed MLC	Date/time of preservation
				Lot # of added preservative	
Headspace in VOA Vials (>6mm):		✓		17.	
Trip Blank Present:	✓			18.	
Trip Blank Custody Seals Present	✓				
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed:	Date:

Client Notification/ Resolution:

Person Contacted: Date/Time: Contacted By:

Comments/ Resolution:

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

APPENDIX C

System Operations/Shut-Down Summary

JANUARY 2020

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)**	2 •Cell 1 (On) •Cell 2 GW (On) - Sampled •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - Sampled	3 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	4 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)
5 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	6 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	7 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	8 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	9 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	10 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	11 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)
12 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	13 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	14 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	15 •Cell 1 (On) - Sampled •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - Sampled	16 •Cell 1 (On) •Cell 2 GW (On) - Temporary outage •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	17 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	18 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)
19 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	20 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)** - LGAC vessels drained	21 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)** - Carbon changed	22 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	23 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	24 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	25 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
26 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	27 •Cell 1 (On) - Southern well field configuration •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	28 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	29 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	30 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	31 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	
		NOTES:				

FEBRUARY 2020

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
2 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	3 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - Sampled	4 •Cell 1 (On) •Cell 2 GW (On) - Sampled •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - Sampled	5 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	6 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	7 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	8 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**
9 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	10 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	11 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	12 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	13 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	14 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	15 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
16 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	17 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	18 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	19 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	20 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	21 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	22 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
23 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	24 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	25 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	26 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	27 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	28 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) - Temporary outage •Cell 5 (On)	29 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
		NOTES:				

MARCH 2020

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	2 •Cell 1 (On) - Sampled •Cell 2 GW (On) - Sampled •Cell 2 SVE **(Off)** •Cell 3 (On) - Sampled •Cell 5 (On) - Sampled	3 •Cell 1 (On) •Cell 2 GW (On) - Sampled •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - Sampled	4 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	5 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	6 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)** - Sulfuric acid spill	7 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**
8 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	9 •Cell 1 (On) - Southern well field configuration •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	10 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	11 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	12 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	13 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	14 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**
15 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	16 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	17 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	18 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	19 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)**	20 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	21 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
22 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	23 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	24 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	25 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	26 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	27 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	28 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)**
29 •**Cell 1 (Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)**	30 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	31 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**				
		NOTES:				

APRIL 2020

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	2 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	3 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	4 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**
5 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	6 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	7 •Cell 1 (On) - Compressor oil change, Northern well configuration •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	8 •Cell 1 (On) - Sampled •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) - Sampled •Cell 5 **(Off)**	9 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	10 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) - Low discharge pressure alarm •Cell 5 **(Off)**	11 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**
12 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	13 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	14 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) - Eastern well configuration •Cell 5 **(Off)**	15 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	16 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	17 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	18 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**
19 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	20 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - Sampled	21 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - Sampled	22 •Cell 1 (On) - Temporary Outage •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	23 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	24 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - Backwashed LGAC vessels	25 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
26 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	27 •Cell 1 (On) •Cell 2 GW (On) - Sampled •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	28 •Cell 1 (On) •Cell 2 GW (On) - Sampled •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	29 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	30 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)		
		NOTES:				

MAY 2020

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	2 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
3 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	4 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - Sampled	5 •Cell 1 (On) - Sampled •Cell 2 GW (On) - Sampled •Cell 2 SVE **(Off)** •Cell 3 (On) - Temporary outage, Sampled •Cell 5 (On) - Sampled	6 •Cell 1 (On) •Cell 2 GW (On) - Temporary outage •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	7 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) - Western well configuration •Cell 5 (On)	8 •Cell 1 (On) •Cell 2 GW (On) - Temporary outage, Sampled •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	9 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
10 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	11 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	12 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	13 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) - Low VOC recovery, switch configuration •Cell 5 (On)	14 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	15 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	16 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
17 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	18 •Cell 1 (On) •Cell 2 GW **(Off)** - Replace drain valve •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	19 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	20 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	21 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	22 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	23 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)**
24 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)**	25 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)**	26 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)**	27 •Cell 1 (On) •Cell 2 GW **(Off)** - Inlet tank alarm, Filters changed, Repairs •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	28 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	29 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	30 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
31 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)		**NOTES:**				

JUNE 2020

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1 •Cell 1 (On) •Cell 2 GW (On) - Sampled •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - Sampled	2 •Cell 1 (On) •Cell 2 GW (On) - Sampled •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - Sampled	3 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	4 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	5 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	6 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
7 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	8 •Cell 1 (On) - Southern well configuration, Sampled •Cell 2 GW (On) - Sampled •Cell 2 SVE **(Off)** •Cell 3 (On) - Sampled •Cell 5 (On) - Sampled	9 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	10 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	11 •Cell 1 (On) - VFD fault alarm •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	12 •Cell 1 (On) - Temporary outage •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) - Temporary outage •Cell 5 (On)	13 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
14 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	15 •Cell 1 (On) - Northern well configuration •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	16 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	17 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	18 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	19 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	20 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
21 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	22 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - Drum transfer, LGAC backwash	23 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	24 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	25 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	26 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	27 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
28 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	29 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	30 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)				
		NOTES:				

JULY 2020

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1 •Cell 1 (On) •Cell 2 GW (On) - Sampled •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - Sampled	2 •Cell 1 (On) •Cell 2 GW (On) - Sampled •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - Sampled	3 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)?	4 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
5 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	6 •Cell 1 (On) •Cell 2 GW (On) - Bag filters, cleaning •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - LGAC vessels backwashed, cartridge filters	7 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	8 •Cell 1 (On) - Sampled •Cell 2 GW (On) - Sampled •Cell 2 SVE **(Off)** •Cell 3 (On) - Sampled •Cell 5 (On) - Sampled	9 •Cell 1 (On) •Cell 2 GW (On) - Pitot tube cleaning •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	10 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	11 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
12 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	13 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - Effluent totalizer failing	14 •Cell 1 (On) - Switch configuration, intake filter •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) - Switch configuration, intake filter •Cell 5 (On) - LGAC backwash	15 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - Cartridge filters	16 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) - Low VOC recovery, switch wells •Cell 5 (On)	17 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - Cartridge filters, effluent totalizer working	18 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
19 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	20 •Cell 1 (On) •Cell 2 GW (On) - Cleaning •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	21 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	22 •Cell 1 (On) - Switch configuration, Power fault alarm •Cell 2 GW (On) - Cleaning •Cell 2 SVE **(Off)** •Cell 3 (On) Power fault alarm •Cell 5 (On) - Acid transfer	23 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) - Temporary outage •Cell 5 (On)	24 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	25 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
26 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	27 •Cell 1 (On) - Pulsing of system operation •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - LGAC backwash	28 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - Drained oil, effluent totalizer malfunction	29 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) - Temporary outage •Cell 5 **(Off)**	30 •Cell 1 (On) - Power fault alarm •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** - Power fault alarm •Cell 5 **(Off)**	31 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** - Pulsing of system operation •Cell 5 **(Off)**	
		NOTES:				

AUGUST 2020

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)**
2 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)**	3 •Cell 1 (On) - Temporary outage •Cell 2 GW (On) - Temporary outage, sampled •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	4 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)**	5 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) - Temporary outage •Cell 5 (On) - New totalizer and transfer pump valve string	6 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	7 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - Inlet tank alarm, Sampled	8 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)
9 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	10 •Cell 1 (On) - Temporary outage, switch configuration •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - High level alarm	11 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	12 •Cell 1 (On) - Temporary outage •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	13 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - Acid transfer	14 •Cell 1 **(Off)** •Cell 2 GW (On) - Sampled •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - Temporary outage, Faulty PID	15 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)
16 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	17 •Cell 1 (On) - Switch configuration, faulty PID •Cell 2 GW (On) - Repairs •Cell 2 SVE **(Off)** •Cell 3 **(Off)** - VFD failure •Cell 5 (On)	18 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	19 •Cell 1 (On) - Power fault alarm •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	20 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - Temporary outage	21 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - Temporary outage, float switch installed	22 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)
23 •Cell 1 **(Off)** - Power fault alarm •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	24 •Cell 1 (On) •Cell 2 GW (On) - Hose installs •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - LGAC backwash, cartridge filters	25 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	26 •Cell 1 (Off) - LGAC vessel break •Cell 2 GW (On) - Bag filters •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	27 •Cell 1 **(Off)** •Cell 2 GW (On) - High level alarm •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	28 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	29 •Cell 1 **(Off)** - Power fault alarm •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)
30 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	31 •Cell 1 (On) •Cell 2 GW (On) - Check valve replace •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - Check valve replace, acid transfer	**NOTES:**				

SEPTEMBER 2020

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1 •Cell 1 **(Off)** •Cell 2 GW (On) - MS tank alarm, replaced metering pump •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	2 •Cell 1 (On) - Temporary outage •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	3 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	4 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	5 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)
6 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	7 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	8 •Cell 1 (On) - Temporary outage •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	9 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	10 •Cell 1 (On) - Temporary outage •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	11 •Cell 1 **(Off)** •Cell 2 GW (On) - Temporary outage •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	12 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)
13 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	14 •Cell 1 **(Off)** •Cell 2 GW **(Off)** - Repairing reinjection/extraction wells •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	15 •Cell 1 (On) - Switch configuration •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - sampled	16 •Cell 1 **(Off)** •Cell 2 GW **(Off)** - preparation for pipe coupler install •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - sampled	17 •Cell 1 (On) - Carbon change •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	18 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	19 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)
20 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	21 •Cell 1 (On) - Temporary outage •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	22 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - Heaters/heat trace wiring on, oil mist filters	23 •Cell 1 (On) - Temporary outage •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	24 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)** - Removed debris	25 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	26 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)
27 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	28 •Cell 1 (On) - Temporary outage •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - Temporary outage, sampled	29 •Cell 1 **(Off)** •Cell 2 GW **(Off)** - Transfer pump/switch inoperable •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - LGAC backwash	30 •Cell 1 (On) - sampled •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) - VFD Installed, Sampled •Cell 5 (On)			
		NOTES:				

OCTOBER 2020

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	2 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) - Temporary outage •Cell 5 (On)	3 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)
4 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	5 •Cell 1 (On) - Temporary outage •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) - Temporary outage •Cell 5 (On) - LGAC backwash	6 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - Cartridge filters	7 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) - Switch configuration •Cell 5 (On) - Greased bearings	8 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	9 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) - Temporary outage •Cell 5 (On)	10 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)
11 •Cell 1 **(Off)** - Power fault alarm •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** - Power fault alarm •Cell 5 (On) - LGAC backwash	12 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - Acid transfer	13 •Cell 1 (On) - Temporary outage •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) - Temporary outage •Cell 5 (On)	14 •Cell 1 **(Off)** - Anemometer port •Cell 2 GW (On) - Anemometer port •Cell 2 SVE **(Off)** •Cell 3 **(Off)** - Anemometer port •Cell 5 (On) - Anemometer port	15 •Cell 1 (On) •Cell 2 GW (On) - Sampled •Cell 2 SVE **(Off)** •Cell 3 (On) - Temporary outage •Cell 5 (On) - Tank cleaning event, sampled	16 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) - Temporary outage •Cell 5 (On)	17 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)
18 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	19 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) - Temporary outage •Cell 5 (On)	20 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	21 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) - Temporary outage •Cell 5 (On)	22 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - LGAC backwash	23 •Cell 1 (On) - sampled •Cell 2 GW (On) - Inlet tank alarm, bag filters •Cell 2 SVE **(Off)** •Cell 3 (On) - sampled •Cell 5 (On) - Sampled	24 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)
25 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	26 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) - Temporary outage, sampled •Cell 5 (On) - LGAC backwash, sampling port install	27 •Cell 1 **(Off)** •Cell 2 GW (On) - Inlet tank alarm, bag filters •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	28 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) - Temproary outage •Cell 5 **(Off)**	29 •Cell 1 **(Off)** - Power fault alarm •Cell 2 GW (On) - Inlet tank alarm, bag filters •Cell 2 SVE **(Off)** •Cell 3 **(Off)** - Power fault alarm •Cell 5 **(Off)**	30 •Cell 1 (On) - Temporary outage •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - Temporary outage, repairs	31 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 GW (On) •Cell 3 **(Off)** •Cell 5 (On)
		NOTES:				

NOVEMBER 2020

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	2 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	3 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	4 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) - Sampled •Cell 5 (On) - Sampled	5 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)**	6 •Cell 1 **(Off)** •Cell 2 GW (On) - PID error •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	7 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**
8 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 **(Off)**	9 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - Cartridge filters	10 •Cell 1 **(Off)** •Cell 2 GW (On) - Sampled •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - Sampled	11 •Cell 1 (On) •Cell 2 GW (On) - Sampled •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - Sampled	12 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	13 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	14 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)
15 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	16 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	17 •Cell 1 **(Off)** •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	18 •Cell 1 (On) •Cell 2 GW **(Off)** •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	19 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	20 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	21 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)
22 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	23 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	24 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	25 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	26 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)**	27 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)**	28 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)**
29 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)**	30 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)					
		NOTES:				

DECEMBER 2020

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	2 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	3 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	4 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	5 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)**
6 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)**	7 •Cell 1 (On) •Cell 2 GW (On) - Sampled •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - Sampled	8 •Cell 1 **(Off)** •Cell 2 GW (On) - Sampled •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - Sampled	9 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	10 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On) - Sampled	11 •Cell 1 (On) - Sampled •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) - Sampled •Cell 5 (On)	12 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)
13 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	14 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	15 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	16 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On) - LGAC backwash, acid transfer	17 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	18 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	19 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)
20 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	21 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	22 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	23 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	24 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	25 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	26 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)
27 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	28 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	29 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 (On)	30 •Cell 1 (On) •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 (On) •Cell 5 (On)	31 •Cell 1 **(Off)** •Cell 2 GW (On) •Cell 2 SVE **(Off)** •Cell 3 **(Off)** •Cell 5 **(Off)**		
		NOTES:				

APPENDIX D

Historical Data Summary

Coke Oven Historical Data - Cell 1 Groundwater Analytical Results

2020

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO02-PZM006*			*ug/L*															
1,1,1,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	3.2 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	5 J	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	*25 U*	40.7 J	*50 U*	44.2 J	38 J	49.3 J	74.5	18.3 J	37.3 J	37.3 J	39.6 J	29.3 J	*50 U*	*50 U*	37 J	*50 U*	*50 U*	*50 U*	44.6 J
Acrylonitrile	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	205,000	145,000	312,000	339,000	191,000	15,700	241,000	104,000	63,100	46,800	155,000	127,000	148,000	143,000	141,000	191,000	93,000	133,000	134,000
Bromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	6.3 CL	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Disulfide	*5 U*	1.8 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Tetrachloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	*5 U*	1.1 J	*5 U*	*5 U*	*5 U*	*5 U*	1.4 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	*5 U*	2.6 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	451 IS	367	267	367	225	271	335	261	202	134	283	252	293	257	350	253	276	218	248
Iodomethane	*5 U*	*250 U*	*250 U*	*250 U*	*5 U*	*5 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tertiary-butyl ether	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Methylene Chloride	*5 U*	4.5 JB	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	4.3 J	*5 U*	*5 U*	*5 U*	3.3 J	*5 U*	*5 U*	*5 U*
Naphthalene	392 IS	511	273	360	210	276	370	314	164	119	187	231	218	244	318	422	242	175	173
Styrene	8.5 IS	6.7	6.4	7.2	5.5	5.8	9.2	5.8	3.1 J	1.8 J	4.1 J	3 J	3.2 J	3.8 J	9.2	4.7 J	3.2 J	4 J	*5 U*
Tetrachloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Toluene	2,500	1,070	243	122	136	43.5	104	32	33.3	13.7	77.7	86	144	144	155	69.4	103	46.7	99.1
trans-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	*10 U*	*50 U*	*50 U*	*50 U*	*10 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Chloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	1,590 ES	1,220	480	738	345	403	643	376	139	60.2	139	206	357	321	469	329	460	229	252

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO02-PZM041*			*ug/L*															
1,1,1,2-Tetrachloroethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
1,1,1-Trichloroethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
1,1,2,2-Tetrachloroethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
1,1,2-Trichloroethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
1,1-Dichloroethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
1,1-Dichloroethene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
1,2,3-Trichloropropane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
1,2-Dibromo-3-chloropropane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*5 U*	*NS*	*NS*	*NS*	*NS*	*NS*
1,2-Dibromoethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
1,2-Dichlorobenzene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
1,2-Dichloroethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
1,2-Dichloropropane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
1,4-Dichlorobenzene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
2-Butanone	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*10 U*	*NS*	*NS*	*NS*	*NS*	*NS*
2-Hexanone	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*10 U*	*NS*	*NS*	*NS*	*NS*	*NS*
4-Methyl-2-pentanone	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*10 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Acetone	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*10 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Acrylonitrile	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*4 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Benzene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	686	*NS*	*NS*	*NS*	*NS*	*NS*
Bromochloromethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Bromodichloromethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Bromoform	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Bromomethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	1.1 CLB	*NS*	*NS*	*NS*	*NS*	*NS*
Carbon Disulfide	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Carbon Tetrachloride	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Chlorobenzene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	0.65 J	*NS*	*NS*	*NS*	*NS*	*NS*
Chloroethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Chloroform	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Chloromethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
cis-1,2-Dichloroethene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
cis-1,3-Dichloropropene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Dibromochloromethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Dibromomethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Ethylbenzene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	17.6	*NS*	*NS*	*NS*	*NS*	*NS*
Iodomethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*50 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Methyl tertiary-butyl ether	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Methylene Chloride	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Naphthalene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	327	*NS*	*NS*	*NS*	*NS*	*NS*
Styrene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	0.83 J	*NS*	*NS*	*NS*	*NS*	*NS*
Tetrachloroethene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	35	*NS*	*NS*	*NS*	*NS*	*NS*
trans-1,2-Dichloroethene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
trans-1,3-Dichloropropene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
trans-1,4-Dichloro-2-butene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*5 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Trichloroethene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Trichlorofluoromethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Vinyl Acetate	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Vinyl Chloride	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*NS*	*NS*	*NS*	*NS*	*NS*
Xylenes	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	26.4	*NS*	*NS*	*NS*	*NS*	*NS*

U: Non-Detect, NS: Not Sampled

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO18-PZM006*			*ug/L*															
1,1,1,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	10.9 J	*50 U*	12.6 J	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	20.6 J	*50 U*	*50 U*	*50 U*
2-Hexanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	1.8 J	*50 U*	*50 U*	*50 U*	*50 U*	3.6 J	4.2 J	*50 U*	*50 U*	12.8 J	6.2 J	*50 U*	*50 U*
4-Methyl-2-pentanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	*25 U*	45.5 J	*50 U*	40.7 J	78.4	136	92.3	64.5	47.4 J	74.5	65.6	94	190	66	75.8	76.8	89.9	*50 U*	*50 U*
Acrylonitrile	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	227,000	198,000	227,000	669,000	365,000	454,000	293,000	251,000	328,000	281,000	149,000	338,000	670,000	596,000	241,000	518,000	415,000	494,000 M5	510,000
Bromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	8.5 CL	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Disulfide	*5 U*	8.1	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	1.7 J	*5 U*	2.7 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Tetrachloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	1.4 J	*5 U*	1.4 JM5	1.5 J
Chloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	4.2 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	57	44.4	38.7	98.8	51.1	86.8	43.2	51.4	69.2	43.1	49.4	63.5	73.8	89.5	94.3	84.6	70.1	73.4 M5	93.8
Iodomethane	*5 U*	*250 U*	*250 U*	*250 U*	*5 U*	*5 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tertiary-butyl ether	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	*5 U*	4.7 JB	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	4.8 J	*5 U*	*5 U*	*5 U*	3.4 J	*5 U*	*5 U*	*5 U*
Naphthalene	132	142	140	262	117	211	159	182	172	121	135	221	189	230	211	395	177	150 M5	427
Styrene	*5 U*	2.1 J	2.2 J	*5 U*	1.8 J	3.1 J	3.2 J	4.4 J	2.1 J	2.5 J	1.6 J	3.3 J	*5 U*	10.4	25.3	3.3 J	4.6 J	*5 U*	23.1
Tetrachloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	3,700	5,950	5,060	36,500	20,400	28,500	1,940	1,170	6,710	1,430	6,070	5,360	15,300	20,000	8,660	19,300	20,400	10,500 M5	18,100
trans-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	*10 U*	*50 U*	*50 U*	*50 U*	*10 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Chloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	1,130	859	680	2,520	1,310	2,260	1,010	1,100	1,610	903	1,420	1,480	1,740	2,170	2,340	2,090	1,890	1,600 M5	2,410

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO93-PZM*			*ug/L*															
1,1,1,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	*25 U*	55.4	*50 U*	*50 U*	42 J	62.9	58.5	19.9 J	16.7 J	21.8 J	35.1 J	*50 U*	153	*50 U*	40.3 J	33.7 J	*50 U*	*50 U*	*50 U*
Acrylonitrile	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	507,000	209,000	335,000	180,000	230,000	230,000	215,000	117,000	122,000	201,000	172,000	162,000	247,000	184,000	148,000	182,000	168,000	183,000 M5	154,000
Bromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	*5 U*	*5 U*	26.8	*5 U*	*5 U*	*5 U*	3.5 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	7.1 CL	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Disulfide	38.2 IS	24.8	23.6	18.1	15.1 L2	19.7	16.4	*5 U*	9.8	17.4	14.6	9.9	12.7	19.5	6.6	18.9	13.2	11.5 M5	12
Carbon Tetrachloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	17.9 IS	15.2	*5 U*	*5 U*	10	12	12	7.3	10.5	12.2	10.1	*5 U*	*5 U*	*5 U*	*5 U*	11.5	*5 U*	*5 U*	*5 U*
Chloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	1,860	1,510	1,550	1,430	894	1,130	1,400	812	934	1,120	975	752	1,250	1,350	1,210	1,270	940	1,190 M5	934
Iodomethane	*5 U*	*250 U*	29.7 J	*250 U*	*5 U*	*5 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tertiary-butyl ether	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	*5 U*	6.2 B	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	4 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Naphthalene	11,900	2,080 J	5,660	1,970	1,480	3,750	10,000	1,540	1,790	1,930	1,930	1,670	1,900	14,100	4,800	4,440	1,850	6,240 M5	1,740
Styrene	1,840	1,430	1,530	1,600	945	1,200	1,430	735	952	1,180	1,010	832	1,300	1,620	1,320	1,390	1,020	1,290 M5	1,090
Tetrachloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	62,700	58,400	102,000	55,400	50,700	61,500	61,300	27,100	32,900	63,900	60,700	42,500	69,900	64,500	54,000	58,000	53,800	68,400 M5	52,300
trans-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	1.7 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	*10 U*	*50 U*	*50 U*	*50 U*	*10 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Chloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	25,000	17,300	32,200	17,800	10,600	15,300	19,500	7,240	9,080	17,100	16,200	9,840	16,900	22,500	12,500	14,600	12,300	14,600 M5	8,590

U: Non-Detect, *NS: Not Sampled*

Coke Oven Historical Data - Cell 2 Groundwater Analytical Results

2020

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	CO27-PZM012			ug/L															
1,1,1,2-Tetrachloroethane	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,3-Trichloropropane	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromo-3-chloropropane	5 U	25 U	25 U	5 U	1 U	1 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
1,2-Dibromoethane	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	25 U	50 U	50 U	10 U	5 U	5 U	3.5 J	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Hexanone	25 U	50 U	50 U	10 U	5 U	5 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone	25 U	50 U	50 U	10 U	5 U	5 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acetone	25 U	28.3 J	50 U	10 U	17.8	44.3	45.5 J	16.9 J	58.1	20.3 J	42.9 J	16.7 J	27.4 J	50 U	50 U	36.4 J	28.3 J	50 U	50 U
Acrylonitrile	20 U	20 U	20 U	4 U	4 U	4 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	19,400	17,400	21,300	16,100	13,400	9,540	10,900	10,500	3,180	6,490	4,670	3,630	13,500	13,000	11,600	11,900	3,700	9,470	7,750
Bromochloromethane	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromomethane	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	1 U	1 U	0.25 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5 U	1.3 J	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromomethane	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	177	181	175	171	117	130	120	114	20.7	59.8	37.7	35.2	121	141	162	132	39.1	86.5	47.4
Iodomethane	5 U	250 U	250 U	50 U	1 U	1 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U
Methyl tertiary-butyl ether	5 U	5 U	5 U	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Methylene Chloride	*5 U*	4.5 JB	*5 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	4.1 J	*5 U*	*5 U*	*5 U*	4 J	*5 U*	*5 U*	*5 U*
Naphthalene	756	1,230	1,330	5,670	1,910	1,280	863	913	176	482	293	316	667	905	1,140	1,240	365	609	256
Styrene	215	212	216	213	135	134	136	120	16.3	54.7	32.8	32.8	126	138	176	136	29.4	75.6	38.3
Tetrachloroethene	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Toluene	7,000	6,330	7,170	5,390	4,210	3,040	3,900	3,390	410	1,130	744	854	4,390	3,980	4,240	3,750	653	3,400	1,070
trans-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	*5 U*	*25 U*	*25 U*	*5 U*	*1 U*	*1 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	*10 U*	*50 U*	*50 U*	*10 U*	*2 U*	*2 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Chloride	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	1,610	1,540	1,550	1,500	1,010	1,060	1,060	1,040	160	511	327	308	1,070	1,280	1,390	1,140	299	746	369

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO27-PZM046*			*ug/L*															
1,1,1,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*5,000 U*	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	9 J	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	11.2 J	*50 U*	*10,000 U*	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*10,000 U*	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*10,000 U*	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	*25 U*	59.7	*50 U*	*50 U*	55.9	60	69.1	23.3 J	20.5 J	36.5 J	61.2	35.6 J	180	*50 U*	*10,000 U*	41.2 J	36.4 J	*50 U*	74.4
Acrylonitrile	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*4,000 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	436,000	98,000	218,000 H1	55,600	240,000	212,000	117,000	215,000	214,000	346,000	297,000	191,000	172,000	42,200	29,800	31,000	28,200	18,800	18,400
Bromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Disulfide	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	1.7 J	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Tetrachloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	3.5 J	1.9 J	2.1 J	*5 U*	2.2 J	1.9 J	1.3 J	*5 U*	2.4 J	*5 U*	2.5 J	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	979	464	633	35.4	474	505	375	611	703	932	789	552	443	272	*1000 U*	273	207	95	81.4
Iodomethane	*5 U*	*250 U*	*250 U*	*250 U*	*5 U*	*5 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*50,000 U*	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tertiary-butyl ether	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	*5 U*	6 B	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	4.5 J	*5 U*	*5 U*	*5 U*
Naphthalene	13,700	3,600	3,320	1,170	5,200	19,700	6,970	7,240	15,800	1,680	1,360	14,100	1,400	1,330	11,200	1,580	1,120	516	327
Styrene	238	157	104	7.8	72.8	88.4	44.7	126	123	204	160	141	85.5	277	*1000 U*	294	227	43.3	41.7
Tetrachloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	70,000	17,400	36,200	6,920	34,800	30,300	16,900	33,700	33,200	70,700	59,400	35,100	30,900	9,880	4,850	4,910	5,620	3,270	5,120
trans-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*5,000 U*	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	*5 U*	1.9 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	*10 U*	*50 U*	*50 U*	*50 U*	*10 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Chloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1000 U*	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	18,200	4,350	8,680	617	9,100	7,850	4,330	7,290	8,260	23,900	16,300	7,360	7,110	2,020	2,200 J	1,970	1,640	1,240	843

U: Non-Detect, NS: Not Sampled

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO36-PZM008*			*ug/L*															
1,1,1,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	*25 U*	34.7 J	*50 U*	*50 U*	*25 U*	57.9	61.1	18.6 J	25.3 JB	*50 U*	29.5 J	25.2 J	193	*50 U*	42.9 J	*50 U*	29 J	*50 U*	*50 U*
Acrylonitrile	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*4 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	22,300	18,100	11,900	21,300	13,100	16,400	9,510	3,830	23,400	6,550	8,050	5,380	11,200	9,710	6,780	7,190	10,000	24,000	11,900
Bromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	*5 U*	3.5 JB	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Disulfide	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Tetrachloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	1.9	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	59.9	59.4	16.9	54.3	58.3	59.8	21.4	7.4	88.6	31	27.2	15.3	44.6	47.4	30.4	23.7	46.1	99.6	45.4
Iodomethane	*5 U*	*250 U*	*250 U*	*250 U*	*5 U*	*5 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*50 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tertiary-butyl ether	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	*5 U*	6.3 B	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	4.4 J	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Naphthalene	382	441	355	723	440	435	283	113	752	239	311	248	343	462	424	447	456	817	583
Styrene	19.1	15.7	6	15.4	16.1	16.9	5.7	1.9 J	25.8	7.2	7.6	5.3	12.5	11.6	9.1	7.5	12.9	27.3	14.3
Tetrachloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	4,880	3,830	1,790	4,610	3,270	3,490	1,540	628	5,590	1,360	1,610	1,160	2,320	2,360	1,700	1,390	2,430	5,800	2,750
trans-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	*10 U*	*50 U*	*50 U*	*50 U*	*10 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*10 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Chloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	1,210	990	682	1,370	1,150	1,040	631	392	1,610	520	642	536	763	802	816	595	834	1,670	1,090

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO36-PZM043*			*ug/L*															
1,1,1,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	799 IS	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	*25 U*	29 J	*50 U*	*50 U*	*25 U*	93.7	45.9 J	*50 U*	60 B	22.7 J	25.1 J	14.9 J	196	*50 U*	50.5	29.2 J	30.7 J	*50 U*	*50 U*
Acrylonitrile	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	25,400	23,600	37,300	15,400	17,100	31,500	30,400	27,900	17,200	29,800	31,200	22,200	22,400	20,200	16,400	21,600	16,400	7,910	22,000
Bromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Disulfide	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Tetrachloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	3.4 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	71.6	54.7	38.4	101	31.9	43.4	42.9	45.5	22.8	45.6	45.8	76.1	66	71.5	80.7	68.7	45.5	13.1	45.8
Iodomethane	*5 U*	*250 U*	*250 U*	*250 U*	*5 U*	*5 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tertiary-butyl ether	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	*5 U*	5.3 B	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	4.2 J	*5 U*	*5 U*	*5 U*	3.3 J	*5 U*	*5 U*	*5 U*
Naphthalene	562	583	766	7,980	538	742	812	655	414	836	766	745	517	792	750	764	566	191	527
Styrene	18.6	13.8	8.6	95.6	7.6	9.1	7.5	9.9	5.2	10.6	10.1	19.6	15.3	16	19.7	15.9	10.1	2.9 J	9.8
Tetrachloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	4,020	3,610	4,040	1,690	2,270	3,430	3,400	3,400	1,810	3,490	3,740	4,210	3,550	3,620	3,160	4,080	2,330	1,130	3,110
trans-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	*10 U*	*50 U*	*50 U*	*50 U*	*10 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Chloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	1,040	847	626	836	553	704	675	740	380	739	735	1,150	985	1,100	1,190	1,020	675	375	730

U: Non-Detect, NS: Not Sampled

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO37-PZM038*			*ug/L*															
1,1,1,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*NS*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*5 U*	*10 U*	*10 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*NS*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*5 U*	*10 U*	*10 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*NS*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*5 U*	*10 U*	*10 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*NS*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	*25 U*	25.2 J	*50 U*	32 J	41.9 J	28.4	3.2 J	5.8 J	7.7 JB	*50 U*	43.9 J	17.3 J	258	*NS*	39.7 J	*50 U*	*50 U*	*50 U*	*50 U*
Acrylonitrile	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*4 U*	*4 U*	*4 U*	*4 U*	*20 U*	*20 U*	*20 U*	*20 U*	*NS*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	22,900	16,700	15,500	69,400	27	7,830	9,170	9,350	10,800	12,100	12,300	13,900	17,600	*NS*	10,800	13,400	14,200	16,300	16,900
Bromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Disulfide	*5 U*	2.3 J	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	1.6 J	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Tetrachloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	0.44 J	0.52 J	0.47 J	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	5.1	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	0.28 J	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	322	286	236	244	*5 U*	238	270	263	263	248	243	244	313	*NS*	306	289	268	273	262
Iodomethane	*5 U*	*250 U*	*250 U*	*250 U*	*5 U*	*1 U*	*50 U*	*50 U*	*50 U*	*250 U*	*250 U*	*250 U*	*250 U*	*NS*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tertiary-butyl ether	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	0.2 J	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	*5 U*	5 B	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	4.5 J	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Naphthalene	14,000	1,730	1,700	1,280	14.1	1,550	1,370	1,260	1,620	1,330	1,370	1,370	1,390	*NS*	1,800	1,930	1,770	1,430	1,200
Styrene	540	442	381	12.2	*5 U*	315	338	368	385	374	377	366	470	*NS*	481	448	425	436	431
Tetrachloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	7	*5 U*	*5 U*	*5 U*	*5 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	11,900	9,200	8,820	6,180	5.9	5,960	6,980	6,570	6,980	7,280	7,550	8,190	9,520	*NS*	6,950	8,030	8,780	8,330	8,370
trans-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*NS*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	0.53 J	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	*10 U*	*50 U*	*50 U*	*50 U*	*10 U*	*2 U*	*10 U*	*10 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Chloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	2,620	2,280	1,940	2,230	*5 U*	1,720	2,080	1,880	1,920	2,020	2,040	1,930	2,510	*NS*	2,450	2,300	2,220	2,260	2,160

U: Non-Detect, NS: Not Sampled

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO38-PZM006*			*ug/L*															
1,1,1,2-Tetrachloroethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,1-Dichloroethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,1-Dichloroethene	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	*5 U*	*25 U*	*5 U*	*5 U*	*1 U*	*1 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*5 U*	*25 U*	*25 U*
1,2-Dibromoethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,2-Dichloroethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,2-Dichloropropane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
2-Butanone	*25 U*	*50 U*	*10 U*	*10 U*	*5 U*	*5 U*	2.6 J	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*10 U*	*50 U*	*50 U*
2-Hexanone	*25 U*	*50 U*	*10 U*	*10 U*	*5 U*	*5 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	1.4 J	*50 U*	*50 U*
4-Methyl-2-pentanone	*25 U*	*50 U*	*10 U*	*10 U*	*5 U*	*5 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*10 U*	*50 U*	*50 U*
Acetone	*25 U*	35.4 J	*10 U*	*10 U*	12.2	35.5	54.7	*50 U*	22.4 JB	*50 U*	16.5 J	*50 U*	117	*50 U*	*50 U*	42.3 J	15	*50 U*	56.9
Acrylonitrile	*20 U*	*20 U*	*4 U*	*4 U*	*4 U*	*4 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*4 U*	*20 U*	*20 U*
Benzene	9,350	8,080	8,650	10,700	7,130	6,090	5,690	5,250	5,520	4,690	5,060	4,660	5,940	1,900	4,210	4,490	4,670	4,370	5,420
Bromochloromethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Bromodichloromethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Bromoform	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Bromomethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Carbon Disulfide	*5 U*	*5 U*	1.2	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	1.7 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	2.5 JL1	*1 U*	*5 U*	*5 U*
Carbon Tetrachloride	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Chlorobenzene	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Chloroethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Chloroform	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Chloromethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Dibromochloromethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Dibromomethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Ethylbenzene	104	67.4	107	269	76	94.9	72.2	66.8	60.1	50.8	60.7	59	65.2	34.4	74.3	64	64	57.5	54.3
Iodomethane	*5 U*	*250 U*	*50 U*	*50 U*	*1 U*	*1 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*50 U*	*250 U*	*250 U*
Methyl tertiary-butyl ether	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Methylene Chloride	*5 U*	4.3 JB	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	5.3	*5 U*	*5 U*	*5 U*	4.1 J	*1 U*	*5 U*	*5 U*
Naphthalene	780	615	1,150	6,620	1,730	2,070	1,190	1,350	1,320	1,170	1,370	1,520	1,280	651	1,740	2,110	1,990	1,460	1,360
Styrene	49.4	27.2	83.6	340	48.8	51.9	42.5	41	43.7	35.9	45.5	48.1	35.1	5	51.2	46.9	43.2	39.9	35.9
Tetrachloroethene	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	1,970	543	2,050	7,210	1,330	1,350	970	1,260	1,060	920	1,040	1,100	859	133	1,260	1,020	1,070	984	1,300
trans-1,2-Dichloroethene	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	*5 U*	*25 U*	*5 U*	*5 U*	*1 U*	*1 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*5 U*	*25 U*	*25 U*
Trichloroethene	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Trichlorofluoromethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Vinyl Acetate	*10 U*	*50 U*	*10 U*	*10 U*	*2 U*	*2 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Vinyl Chloride	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Xylenes	722	354	776	2,120	557	698	549	559	478	443	496	490	479	108	561	507	503	450	452

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO38-PZM043*			*ug/L*															
1,1,1,2-Tetrachloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	2.4 J	*10 U*	*10 U*	3.6 J	5.9 J	*10 U*	*10 U*
2-Hexanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	2.8 JMH	3.3 J	*10 U*	*10 U*
4-Methyl-2-pentanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	0.47 J	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Acetone	*5 U*	*10 U*	*10 U*	*10 U*	6.9 J	55.4	3.1 J	3.4 J	3.2 JB	3.3 J	3.1 J	*10 U*	217	*10 U*	*10 U*	9.1 J	27.6	*10 U*	*10 U*
Acrylonitrile	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	9	5.1	4.5	1.4	7,280	7.2	1.2	*1 U*	3.8	4	0.45 J	0.4 J	3.4	19.2	0.54 J	1.5 C8P2	1.1	*1 U*	*1 U*
Bromochloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.88 JBML	*1 U*	*1 U*	*1 U*	*1 U*
Carbon Disulfide	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.32 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Carbon Tetrachloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	*1 U*	0.41 J	0.43 J	*1 U*	*1 U*	*1 U*	0.37 J	*1 U*	*1 U*	0.27 J	*1 U*	*1 U*	0.45 J	0.33 J	*1 U*	0.4 J	*1 U*	0.39 J	0.32 J
Chloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	3.8	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	*1 U*	*1 U*	*1 U*	*1 U*	219	*1 U*	0.23 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Iodomethane	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
Methyl tertiary-butyl ether	*1 U*	0.24 J	*1 U*	*1 U*	*1 U*	*1 U*	0.35 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Naphthalene	*2 U*	*2 U*	*2 U*	*2 U*	1,260	3.2	1.1 J	*2 U*	*2 U*	5.8	*2 U*	*2 U*	*2 U*	2.9	30.5 C8ML	*2 U*	*2 U*	*2 U*	*2 U*
Styrene	*1 U*	*1 U*	*1 U*	*1 U*	280	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Tetrachloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	1 U	0.2 J	1 U	1 U	4,810	0.71 J	1 U	1 U	0.39 J	1	1 U	1 U	0.46 J	1.1	0.33 J	0.53 J	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	1 U	5 U	5 U	5 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.34 JB	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	2 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes	1 U	3 U	3 U	3 U	1,370	1 U	1.2 J	3 U	3 U	1.6 J	3 U	3 U	3 U	2.4 J	1.4 J	3 U	3 U	3 U	3 U

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO39-PZM007*			*ug/L*															
1,1,1,2-Tetrachloroethane	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,1-Dichloroethane	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,1-Dichloroethene	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	*1 U*	*25 U*	*25 U*	*5 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*25 U*	*25 U*	*5 U*	*25 U*	*25 U*
1,2-Dibromoethane	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,2-Dichloroethane	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,2-Dichloropropane	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
2-Butanone	*5 U*	*50 U*	*50 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*50 U*	*50 U*	*10 U*	*50 U*	*50 U*
2-Hexanone	*5 U*	*50 U*	*50 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*50 U*	*50 U*	1.6 J	*50 U*	*50 U*
4-Methyl-2-pentanone	*5 U*	*50 U*	*50 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*50 U*	*50 U*	*10 U*	*50 U*	*50 U*
Acetone	*5 U*	39.2 J	*50 U*	*10 U*	7.4 J	27.9	*10 U*	4.2 J	3.8 JB	3 J	*10 U*	*10 U*	10.7	7.2 J	31.6 J	*50 U*	19.7	*50 U*	39.5 J
Acrylonitrile	*4 U*	*20 U*	*20 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*20 U*	*20 U*	*4 U*	*20 U*	*20 U*
Benzene	8,760	13,900	11,400	386	1,490	972	1,970	370	355	664	381	282	767	8,990	1,350	657	455	3,850 MH	515
Bromochloromethane	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Bromodichloromethane	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Bromoform	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Bromomethane	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Carbon Disulfide	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	0.57 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Carbon Tetrachloride	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Chlorobenzene	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Chloroethane	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Chloroform	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Chloromethane	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Dibromochloromethane	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Dibromomethane	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Ethylbenzene	41.2	90.3	71.1	2.8	7.1	8.4	13.8	2.1	2.2	4.1	2.2	0.99 J	4.7	52.9	12.6	4.3 J	2	32.2	*5 U*
Iodomethane	*1 U*	*250 U*	*250 U*	*50 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*250 U*	*250 U*	*50 U*	*250 U*	*250 U*
Methyl tertiary-butyl ether	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Methylene Chloride	*1 U*	5 JB	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	1	*1 U*	*1 U*	*5 U*	3.8 J	*1 U*	*5 U*	*5 U*
Naphthalene	1,570	1,890	1,450	676	841	918	643	356	880	1,180	902	433	1,540	2,770	970	1,120	251	1,550 ML	548
Styrene	51.4	77	40.3	1.5	6.9	7.7	12.4	*1 U*	*1 U*	3	*1 U*	0.55 J	4.9	65.4	10.5	3.5 J	1.5	44.4	*5 U*
Tetrachloroethene	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	1,980	3,500	1,790	37.2	296	213	393	33.5	21.1	79	24.8	9.9	126	1,980	295	98.6	45	1,230 ML	27.2
trans-1,2-Dichloroethene	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	*1 U*	*25 U*	*25 U*	*5 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*25 U*	*25 U*	*5 U*	*25 U*	*25 U*
Trichloroethene	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Trichlorofluoromethane	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Vinyl Acetate	*2 U*	*50 U*	*50 U*	*10 U*	*2 U*	*2 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Vinyl Chloride	*1 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*
Xylenes	357	599	376	15.9	60.1	56.1	98.3	11.8	12.4	23.6	12	4.7	48	472	90.8	32.7	11.9	265	6.8 J

U: Non-Detect, NS: Not Sampled

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO39-PZM042*			*ug/L*															
1,1,1,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	3.9 J	*50 U*	*50 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	*25 U*	26.5 J	*50 U*	*50 U*	32.5 J	57.9	42.5 J	*50 U*	25.9 JB	3.2 J	3.4 J	*10 U*	64.4	*10 U*	46.4 J	*50 U*	30.1 J	*50 U*	51.7
Acrylonitrile	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	29,300	29,900	28,300	5,720	14,300	20,900	14,500	1,890	1,090	6,040	3,720	1,290	7,900	20,500	5,710	6,280	3,080	735	2,570 H5ML
Bromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Disulfide	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	2.1	*1 U*	*1 U*	0.39 J	0.98 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Tetrachloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	*5 U*	0.83 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	276	298	227	63.3	111	223	140	14.7	7.6	70.7	37.7	12.3	55.9	165	64.7	63.7	22.3	4.3 J	21.9
Iodomethane	*5 U*	*250 U*	*250 U*	*250 U*	*5 U*	*5 U*	*250 U*	*250 U*	*250 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tertiary-butyl ether	2.6 J	1 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	*5 U*	4.9 JB	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	0.86 J	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Naphthalene	7,680	1,870	1,640	1,050	1,320	1,540	1,470	947	1,040	1,840	1,970	1,280	9,820	7,040	1,990	1,610	1,090	722	1,420 ML
Styrene	464	442	338	97.9	170	338	203	19	10	98.9	55.3	16.4	81.4	215	97.7	93.6	29	*5 U*	26.8
Tetrachloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	12,600	11,700	10,700	2,220	4,480	8,150	5,720	568	272	2,240	1,320	377	2,120	6,380	2,260	1,980	882	105	960 ML
trans-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	*10 U*	*50 U*	*50 U*	*50 U*	*10 U*	*10 U*	*50 U*	*50 U*	*50 U*	*10 U*	*10 U*	*10 U*	*10 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Chloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	2,430	2,380	1,840	554	911	1,740	1,180	129	69.8	580	323	117	542	1,430	546	524	187	27.4	182

U: Non-Detect, NS: Not Sampled

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	CO40-PZM008			ug/L															
1,1,1,2-Tetrachloroethane	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	5 U	25 U	5 U	25 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	25 U	50 U	10 U	50 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.7 J	10 U	10 U	10 U
2-Hexanone	25 U	50 U	10 U	50 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.7 J	10 U	10 U	10 U
4-Methyl-2-pentanone	25 U	50 U	10 U	50 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	25 U	29.4 J	10 U	64	5 U	42.6	10 U	10 U	7.4 J	3.1 J	4.3 J	10 U	52.2 MLR1	10 U	10 U	5.9 J	11	10 U	10 U
Acrylonitrile	20 U	20 U	4 U	20 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Benzene	292	1,250	29	302	21.6	551	58.2	61.1	464	5,690	1,340	40.5	241 ML	3,900	137	3,250	629	799	1,450
Bromochloromethane	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	0.71 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5 U	5 U	1 U	5 U	1 U	0.96 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	4.4 J	15	0.75 J	4.4 J	0.31 J	7.6	0.68 J	1 U	1.6	105	17.3	1 U	1.6	70.6	1.3	48.6	5.8	5.7	4
Iodomethane	5 U	250 U	50 U	250 U	1 U	1 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Methyl tertiary-butyl ether	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5 U	4.6 JB	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	376	1,130	89.2	287	8	354	32.6	27	160	2,190	1,720	16	61.3	3,340	68.2	2,310	335	179	303
Styrene	5 U	18.2	1 U	4.1 J	1 U	5.5	1 U	1 U	1	70.2	19.7	1 U	1 U	60.9	1 U	46.2	5.1	4.1	3.2
Tetrachloroethene	5 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

U: Non-Detect, NS: Not Sampled

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	123	382	16.1	89.2	1.2	82.9	5.2	3.7	29.8	1,670	344	4.7	19.8	1,230	19.6	898	134	145	78
trans-1,2-Dichloroethene	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	*5 U*	*25 U*	*5 U*	*25 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.43 JB	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	*10 U*	*50 U*	*10 U*	*50 U*	*2 U*	*2 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Chloride	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	69.5	150	23	48.4	3.5	47.4	9.4	3.4	16.8	614	153	2.8 J	16.4	540	8.4	353	44.7	35.9	64.4

U: Non-Detect, NS: Not Sampled

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO41-PZM001*			*ug/L*															
1,1,1,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*5 U*	*25 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	9.9 J	*50 U*	*10 U*	*10 U*	*10 U*	*10 U*	6.7 J	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
2-Hexanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	0.73 J	*50 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	0.63 J	*10 U*	*10 U*
4-Methyl-2-pentanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*10 U*	*50 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Acetone	*25 U*	39 J	*50 U*	22.7 J	*25 U*	91.8	7.6 J	*50 U*	5 JB	*10 U*	5.9 J	*10 U*	24.1 B	8.2 J	*10 U*	*10 U*	10	*10 U*	*10 U*
Acrylonitrile	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*4 U*	*20 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	5,170	13,500	12,200	20,500	1,220	1,960	17,800	200	5.2	338	252	1.7	2,520	4,470	6,500	1,190	546	43.8	5.8
Bromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Carbon Disulfide	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Carbon Tetrachloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	0.95 J	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	*5 U*	1.1 J	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	66.9	112	130	314	23.2	59.5	392	4.8 J	*1 U*	20.5	22.2	*1 U*	137	144	257	41.8	45.8	3.1	*1 U*
Iodomethane	*5 U*	*250 U*	*250 U*	*250 U*	*5 U*	*5 U*	*50 U*	*250 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
Methyl tertiary-butyl ether	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	*5 U*	4.4 JB	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Naphthalene	66.6	98.7	186	280	18.9	45.7	271	16	7.3	12	9.4	*2 U*	75.7	103	133	109	30.5	*2 U*	*2 U*
Styrene	3.3 J	1.8 J	2.9 J	10.8	1.1 J	1.2 J	3.8	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	4.7	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Tetrachloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	3,170	6,570	5,060	12,700	801	1,490	11,900	66	0.62 J	327	285	0.6 J	1,520	2,110	3,930	625	553	17	6.7
trans-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*5 U*	*25 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	*10 U*	*50 U*	*50 U*	*50 U*	*10 U*	*10 U*	*10 U*	*50 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Chloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	864	1,060	1,220	3,420	238	569	4,010	44.5	*3 U*	203	177	*3 U*	850	1,200	1,890	288	413	14.6	2.6 J

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO41-PZM036*			*ug/L*															
1,1,1,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	0.95 J	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*5 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
2-Butanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*10 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*10 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*10 U*	*50 U*	*50 U*	*50 U*
Acetone	*25 U*	40 J	*50 U*	45.8 J	*25 U*	66.6	37.1 J	*50 U*	*50 U*	*50 U*	51.1	*50 U*	76.9 B	*50 U*	*50 U*	6.5 J	*50 U*	*50 U*	*50 U*
Acrylonitrile	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*4 U*	*20 U*	*20 U*	*20 U*
Benzene	291,000	187,000	207,000	102,000	47,100	113,000	139,000	121,000	108,000	189,000	245,000	224,000	213,000	225,000	169,000	196,000	206,000	231,000	251,000
Bromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
Bromoform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
Bromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
Carbon Disulfide	*5 U*	4.2 J	3.7 J	3.3 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	2.8 J	*5 U*	1.8 J	1.9 J	*5 U*	*5 U*	2.1	*5 U*	*5 U*	*5 U*
Carbon Tetrachloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	*5 U*	3.3 J	2.9 J	*5 U*	1.8 J	1.7 J	2 J	*5 U*	*5 U*	*5 U*	2.1 J	*5 U*	*5 U*	*5 U*	*5 U*	3.1	*5 U*	*5 U*	3.2 J
Chloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
Chloroform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
Chloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	1,200	845	887	858	605	592	621	659	548	658	580	520	675	919	898	847	661	657	684
Iodomethane	*5 U*	*250 U*	*250 U*	*250 U*	*5 U*	*5 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	3.8 J	*250 U*	*250 U*	*50 U*	*250 U*	*250 U*	*250 U*
Methyl tertiary-butyl ether	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	*5 U*	6 B	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	4.9 J	4.6 JB	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
Naphthalene	190 IS	235	256	322	239	234	306	325	303	385	327	382	328	430	423	380	325	295	357
Styrene	474 IS	389	418	420	263	264	287	314	275	362	319	308	362	459	462	446	370	356	422
Tetrachloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	116,000	77,300	80,800	57,900	21,600	31,700	42,500	40,500	37,000	55,700	66,700	71,800	67,800	81,800	65,700	66,600	67,600	71,100	76,200
trans-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*5 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	4 J	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	*10 U*	*50 U*	*50 U*	*50 U*	*10 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
Vinyl Chloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*
Xylenes	26,000	19,000	21,800	25,600	9,420	10,200	12,600	11,500	10,300	16,900	13,300	11,300	12,100	20,600	15,600	16,100	13,500	13,600	14,500

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO42-PZM004*			*ug/L*															
1,1,1,2-Tetrachloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone	*5 U*	*10 U*	3.3 J	*10 U*	*5 U*	*5 U*	1 J	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	2.3 J	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
2-Hexanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
4-Methyl-2-pentanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Acetone	*5 U*	5.8 J	6 J	*10 U*	25	48.6	*10 U*	29	7.5 JB	7.2 J	23.6	*10 U*	163	6.7 J	*10 U*	*10 U*	7.3 J	*10 U*	*10 U*
Acrylonitrile	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	661	1,130	1,100	*1 U*	738	1,220	215	72.5	51.5	294	5.8	1.1	331	138	27.5	81.2	3	187	6.1
Bromochloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.21 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	*1 U*	*1 U*	5.5	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.78 JB	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Carbon Disulfide	*1 U*	0.61 J	0.76 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.87 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Carbon Tetrachloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	*1 U*	0.15 J	0.14 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	1.4	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	3.5	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	176	164	171	*1 U*	50.3	52.4	23.2	7.6	6.8	56.2	5.1	*1 U*	62	23.6	5.9	8.4	*1 U*	42.1	2.1
Iodomethane	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
Methyl tertiary-butyl ether	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Naphthalene	3,650	755	763	6.1	188	155	93.8	22.1	25	210	5.9	*2 U*	208	168	31.6	45.6	9.7	154	4.9
Styrene	89.9	156	154	*1 U*	47.6	49.6	21.6	12.4	4.8	53	4.2	*1 U*	51.6	24.3	3.9	4.4	*1 U*	33.5	1.4
Tetrachloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	1,700	2,230	2,200	*1 U*	1,010	1,930	398	205	107	615	10	1.4	595	231	35.7	46.8	2.9	462	7
trans-1,2-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.3 JB	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	*2 U*	*10 U*	*10 U*	*10 U*	*2 U*	*2 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Chloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	1,930	1,630	1,730	*3 U*	562	464	356	219	72.3	409	39.5	1.4 J	627	318	121	128	7.4	286	9.2

U: Non-Detect, NS: Not Sampled

Coke Oven Historical Data - Cell 3 Groundwater Analytical Results

2020

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO101-PZM*			*ug/L*															
1,1,1,2-Tetrachloroethane	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
1,1-Dichloroethane	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
1,1-Dichloroethene	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	*1 U*	*25 U*	*25 U*	*5 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*25 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*25 U*	*5 U*	*5 U*
1,2-Dibromoethane	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	4.7
1,2-Dichloroethane	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
1,2-Dichloropropane	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
2-Butanone	*5 U*	*50 U*	*50 U*	*10 U*	*25 U*	994	*NS*	*NS*	*NS*	*50 U*	*10 U*	*10 U*	5.2 J	*10 U*	*10 U*	27.6	1,110	*10 U*	*10 U*
2-Hexanone	*5 U*	*50 U*	*50 U*	*10 U*	*25 U*	109	*NS*	*NS*	*NS*	*50 U*	*10 U*	*10 U*	1.1 J	*10 U*	*10 U*	17.4	162	*10 U*	*10 U*
4-Methyl-2-pentanone	*5 U*	*50 U*	*50 U*	*10 U*	*25 U*	*25 U*	*NS*	*NS*	*NS*	*50 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*50 U*	*10 U*	*10 U*
Acetone	*5 U*	27 J	*50 U*	22.4 B	48.7 J	6,200	*NS*	*NS*	*NS*	*50 U*	*10 U*	12.8	377	*10 U*	7.4 J	103	6,250	*10 U*	15.8
Acrylonitrile	*4 U*	*20 U*	*20 U*	*4 U*	*20 U*	*20 U*	*NS*	*NS*	*NS*	*20 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*20 U*	*4 U*	*4 U*
Benzene	23,800	21,200	17,700	17,400	10,400	5,690	*NS*	*NS*	*NS*	28.7	10.8	9.6	5,580	1,800	4,810	6,730	4,080	397	5,480 H5
Bromochloromethane	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
Bromodichloromethane	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
Bromoform	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
Bromomethane	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.75 JCL	*1 U*	*5 U*	*1 U*	*1 U*
Carbon Disulfide	*1 U*	*5 U*	3.9 J	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.37 J	*5 U*	*1 U*	*1 U*
Carbon Tetrachloride	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
Chlorobenzene	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
Chloroethane	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
Chloroform	*1 U*	2.7 J	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
Chloromethane	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	3.7	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
Dibromochloromethane	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
Dibromomethane	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
Ethylbenzene	31.8 IS	20.4	15.4	21.3	4 J	5	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	3.5	2.7	5.8	7.3	4.2 J	*1 U*	4.9
Iodomethane	*1 U*	*250 U*	29.7 J	*50 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*250 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*250 U*	*50 U*	*50 U*
Methyl tertiary-butyl ether	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Methylene Chloride	*1 U*	4.2 JB	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
Naphthalene	4,040	642	753	2,150	107	167	*NS*	*NS*	*NS*	6.2 J	*2 U*	*2 U*	103	105	186	207	189	21.4	179
Styrene	10.2 IS	6.2	5.9	6.6	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	0.6 J	0.75 J	1.5	2	*5 U*	*1 U*	1.1
Tetrachloroethene	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
Toluene	1,630	1,100	925	1,220	235	316	*NS*	*NS*	*NS*	*5 U*	0.55 J	*1 U*	157	135	374	402	227	21.9	385
trans-1,2-Dichloroethene	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	*1 U*	*25 U*	*25 U*	*5 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*25 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*25 U*	*5 U*	*5 U*
Trichloroethene	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	2.9 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
Trichlorofluoromethane	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
Vinyl Acetate	*2 U*	*50 U*	*50 U*	*10 U*	*10 U*	*10 U*	*NS*	*NS*	*NS*	*50 U*	*10 U*	*10 U*	*10 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
Vinyl Chloride	*1 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*
Xylenes	368 ES	237	174	249	41.5	63.7	*NS*	*NS*	*NS*	*15 U*	*3 U*	*3 U*	43.2	37.6	70.7	90.5	58.2	5.1	64.8

U: Non-Detect, NS: Not Sampled

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO102-PZM*			*ug/L*															
1,1,1,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	*25 U*	22.7 J	*50 U*	67.7 B	*25 U*	89.4	*50 U*	*50 U*	18.6 J	*10 U*	18.6 J	39.8 J	196	*50 U*	47.6 J	*50 U*	*50 U*	*50 U*	57.2
Acrylonitrile	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*4 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	23,000	19,200	29,800	15,700	11,900	25,200	22,300	16,900	12,300	*1 U*	15,300	9,730	12,800	4,800	12,100	13,300	11,000	15,100 ML	13,500
Bromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	12.3 CL	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Disulfide	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Tetrachloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	*5 U*	6.4	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	7	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	3.3 J	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	33.7	24.6	28.4	19.6	20.8	25.8	24	24.9	19.7	*1 U*	20.4	17.4	21.8	8.7	20.3	19.3	14.5	17.8	18.1
Iodomethane	*5 U*	*250 U*	*250 U*	*250 U*	*5 U*	*5 U*	*250 U*	*250 U*	*250 U*	*50 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tertiary-butyl ether	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	*5 U*	4.4 JB	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	6.5 B	*5 U*	*5 U*	*5 U*	*5 U*	3.3 J	*5 U*	*5 U*	*5 U*
Naphthalene	9,900	1,090	1,080	875	874	1,070	970	987	980	*2 U*	917	888	941	422	974	991	728	772 ML	874
Styrene	11.1	7.7	8.6	6.1	6.3	8.1	8.3	7.3	6.4	*1 U*	6.6	5.6	6.2	2 J	5.7	5.7	4.1 J	5.6	4.4 J
Tetrachloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	851	1,220	1,650	1,150	1,220	1,400	1,470	1,230	884	*1 U*	859	716	834	343	926	855	644	909 ML	964
trans-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	*10 U*	*50 U*	*50 U*	*50 U*	*10 U*	*10 U*	*50 U*	*50 U*	*50 U*	*10 U*	*50 U*	*50 U*	*50 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Chloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	372	278	301	238	240	287	292	293	228	*3 U*	249	202	236	96.8	222	212	161	189	194

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO103-PZM*			*ug/L*															
1,1,1,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	4.7 J	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*10 U*	*10 U*	*10 U*	2.4 J	*10 U*	*10 U*	*10 U*
2-Hexanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*10 U*	*10 U*	*10 U*	0.66 J	*10 U*	*10 U*	*10 U*
4-Methyl-2-pentanone	*25 U*	*50 U*	*50 U*	*50 U*	*25 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Acetone	*25 U*	40.1 J	24.5 J	76.1 B	50.6 L2	97.4	24.4 J	25.2 J	18.3 J	16.5 J	43.3 J	60.4	30.6	*10 U*	10.7	11.6	6.9 J	*10 U*	16.6
Acrylonitrile	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	37,900	24,200	26,500	27,700	10,800	15,800	19,700	13,000	57.5	837	786	995	9,880	14,500	12,100	10,800	1,310	516	1,100
Bromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	2.5 CL	*1 U*	*1 U*	*1 U*	*1 U*
Carbon Disulfide	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Carbon Tetrachloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	*5 U*	3.4 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	1.2	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	3.8 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	78	59.2	53.8	55.5	41.7	31.3	48.7	30.4	*5 U*	2.3 J	*5 U*	2.5 J	3	23.6	29.8	29.8	6.5	2.2	2.3
Iodomethane	*5 U*	*250 U*	*250 U*	*250 U*	*5 U*	*5 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
Methyl tertiary-butyl ether	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	*5 U*	4.1 JB	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	5 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Naphthalene	18,300	3,350	24,900	12,300	7,210	1,970	3,510	1,760	14.6	82.3	112	70.5	98.5	1,810	1,370	1,200	177	81.6	88.4
Styrene	16.2	10.9	10.6	10.4	8.1	3.1 J	10.1	4.6 J	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	2	2.3	3.6	0.53 J	*1 U*	*1 U*
Tetrachloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	3,190	1,910	2,470	1,980	1,680	1,110	1,890	1,100	8.1	59.3	41.6	53.6	98.7	901	608	627	95	12.6	59.6
trans-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	*5 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	6.8	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	*10 U*	*50 U*	*50 U*	*50 U*	*10 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*10 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Chloride	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.69 J
Xylenes	1,330	926	887	960	769	520	813	499	*15 U*	27.8	28.2	31.1	47.9	367	453	453	86.3	29.6	30.5

U: Non-Detect, NS: Not Sampled

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO104-PZM*			*ug/L*															
1,1,1,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	1 U	5 U	5 U	5 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	5 U	10 U	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50.6 ML	10 U	10 U	10 U
2-Hexanone	5 U	10 U	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	42.8 ML	10 U	10 U	10 U
4-Methyl-2-pentanone	5 U	10 U	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	5 U	2.7 J	10 U	10 U	29.8 L2M0R1	114	10 U	10 U	3.4 J	13.1	10 U	4.9 J	224 ML	10 U	10 U	178 ML	7 J	10 U	10 U
Acrylonitrile	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Benzene	13.7	0.66 J	8.5	16.5	1 U	5.5	4.1	1 U	1 U	59.5	3.6	1.9	0.83 JML	1	3.9	7.4 MHC8P2R1	1 U	1 U	4.3 H1
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	1 U	1.1 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1 H11c
Carbon Disulfide	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	8	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Iodomethane	1 U	50 U	50 U	50 U	1 U	1 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Methyl tertiary-butyl ether	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	5.3	2 U	1.8 J	5.5	2 U	2.2	1.1 J	2 U	2 U	13.5	2 U	1.9 J	2 U	1 J	1.5 J	1.1 JMH	2 U	2 U	2 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	1.4	*1 U*	0.45 J	1.1	*1 U*	*1 U*	0.27 J	*1 U*	*1 U*	5.3	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.75 J	*1 U*	*1 U*	*1 U*
trans-1,2-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	*2 U*	*10 U*	*10 U*	*10 U*	*2 U*	*2 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Chloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	*1 U*	*3 U*	*3 U*	*3 U*	*1 U*	*1 U*	*3 U*	*3 U*	*3 U*	4.3	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO30-PZM015*			*ug/L*															
1,1,1,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	*5 U*	*25 U*	*25 U*	*25 U*	*NS*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone	*25 U*	*50 U*	*50 U*	*50 U*	*NS*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	*25 U*	*50 U*	*50 U*	*50 U*	*NS*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone	*25 U*	*50 U*	*50 U*	*50 U*	*NS*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	*25 U*	26.5 J	*50 U*	46.2 JB	*NS*	159	*50 U*	22.3 J	19.3 J	*50 U*	*50 U*	23.9 J	167	*50 U*	32.8 J	28.4 J	*50 U*	*50 U*	35 JH1
Acrylonitrile	*20 U*	*20 U*	*20 U*	*20 U*	*NS*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	71,600	66,200	77,400	52,800	*NS*	88,400	67,500	50,800	72,700	25,500	70,300	51,000	69,900	53,300	56,300	63,900	59,300	66,400	75,800 H1
Bromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	*5 U*	*5 U*	26.8	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	7.4 CL	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Disulfide	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Tetrachloride	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	*5 U*	9.3	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	5.5	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	6	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	101 IS	100	88.9	71.3	*NS*	118	102	84.5	95.4	39.9	111	87.3	117	84.8	133	121	93.9	89.7	130 H1
Iodomethane	*5 U*	*250 U*	29.2 J	*250 U*	*NS*	*5 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tertiary-butyl ether	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	*5 U*	4.3 JB	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Naphthalene	19,500	2,720	2,310	1,830	*NS*	3,560	3,440	1,720	1,980	1,020	4,660	2,710	9,090	8,640	5,540	17,100	2,320	1,830	3,130 H1
Styrene	19.3 IS	18.1	17.2	10.9	*NS*	18.3	15.5	12.3	15.3	5.4	16	13.9	15.1	11.7	17.7	17.1	11.5	12.5	14.7 H1
Tetrachloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	4,850	4,470	5,010	3,620	*NS*	5,860	4,720	3,190	5,020	1,410	5,460	3,890	5,110	4,560	4,240	4,710	4,100	4,800	5,550 H1
trans-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	*5 U*	*25 U*	*25 U*	*25 U*	*NS*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	4.7 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	*10 U*	*50 U*	*50 U*	*50 U*	*NS*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Chloride	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	1,440 ES	1,360	1,270	1,060	*NS*	1,620	1,440	1,210	1,290	572	1,500	1,190	1,590	1,230	1,840	1,650	1,310	1,200	1,910

U: Non-Detect, NS: Not Sampled

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO30-PZM060*			*ug/L*															
1,1,1,2-Tetrachloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	*1 U*	*5 U*	*5 U*	*5 U*	*NS*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone	*5 U*	*10 U*	*10 U*	*10 U*	*NS*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	1.9 J	*10 U*	*10 U*	*10 U*
2-Hexanone	*5 U*	*10 U*	*10 U*	*10 U*	*NS*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	1.3 J	1.2 J	1.5 J	*10 U*	*10 U*
4-Methyl-2-pentanone	*5 U*	*10 U*	*10 U*	*10 U*	*NS*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Acetone	*5 U*	3.4 J	*10 U*	*10 U*	*NS*	58.8	*10 U*	3.6 J	4.5 JR1	*10 U*	3.1 J	4.7 J	187	*10 U*	5.8 J	*10 U*	9.5 J	*10 U*	*10 U*
Acrylonitrile	*4 U*	*4 U*	*4 U*	*4 U*	*NS*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	40.7	20	7.2	*1 U*	*NS*	5.2	8.1	19.2	16.9	80.4	22.2	4.2	85.5	321	49.8 MH	9	7.5	15	19.5 H1
Bromochloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.77 JH11c
Carbon Disulfide	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	0.38 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Carbon Tetrachloride	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	1.3	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	4.9	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.62 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Iodomethane	*1 U*	*50 U*	*50 U*	*50 U*	*NS*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
Methyl tertiary-butyl ether	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Naphthalene	*2 U*	*2 U*	*2 U*	*2 U*	*NS*	2 J	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	1.5 J	29	*2 U*	19.2	*2 U*	*2 U*	*2 U*
Styrene	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Tetrachloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	1.2	*1 U*	*1 U*	*1 U*	1.8	*1 U*	*1 U*	2	20.6	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,2-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	*1 U*	*5 U*	*5 U*	*5 U*	*NS*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	*2 U*	*10 U*	*10 U*	*10 U*	*NS*	*2 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Chloride	0.25 J	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	*1 U*	*3 U*	*3 U*	*3 U*	*NS*	*1 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	9.6	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*

U: Non-Detect, *NS: Not Sampled*

Coke Oven Historical Data - Cell 5 Groundwater Analytical Results

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO23-PZM008*			*ug/L*															
1,1,1,2-Tetrachloroethane	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*500 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone	*25 U*	*NS*	*NS*	*NS*	*NS*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1000 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	*25 U*	*NS*	*NS*	*NS*	*NS*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1000 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone	*25 U*	*NS*	*NS*	*NS*	*NS*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1000 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	*25 U*	*NS*	*NS*	*NS*	*NS*	67.7	19.3 J	14.5 J	37.2 JB	17.7 J	*1000 U*	27.9 J	28.9 JB	*50 U*	79	43.4 J	*50 U*	*50 U*	*50 U*
Acrylonitrile	*20 U*	*NS*	*NS*	*NS*	*NS*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*400 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	636	*NS*	*NS*	*NS*	*NS*	564	657	600	403	163	264	460	404	152	599	666	431	473	495
Bromochloromethane	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	5.1 R1	8.7 CL	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Disulfide	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Tetrachloride	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	2.2 J	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	31.6	*NS*	*NS*	*NS*	*NS*	23.2	34.2	25	16.8	10	*100 U*	22.5	19.6	8.9	27.8	28.6	21.3	18.6	24.7
Iodomethane	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*250 U*	*250 U*	*250 U*	*250 U*	*5,000 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tertiary-butyl ether	*5 U*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*100 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Methylene Chloride	5 U	NS	NS	NS	NS	5 U	5 U	5 U	5 U	5 U	160 B	5 U	4.2 JB	5 U	5 U	4.6 J	5 U	5 U	5 U
Naphthalene	9,640	NS	NS	NS	NS	4,260	4,300	3,780	2,630	3,870	5,800	2,760	1,720	1,620 MH	3,250	5,950	3,200	1,860	2,460 L1BE
Styrene	21.1	NS	NS	NS	NS	19.8	30.2	22.1	8.4	5.7	100 U	17.3	15.8	3.7 J	25.4	27.6	16.7	15	22.9
Tetrachloroethene	5 U	NS	NS	NS	NS	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	413	NS	NS	NS	NS	217	374	310	26.8	20.3	56.8 J	197	181	30.7	303	344	201	172	244
trans-1,2-Dichloroethene	5 U	NS	NS	NS	NS	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5 U	NS	NS	NS	NS	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,4-Dichloro-2-butene	5 U	NS	NS	NS	NS	5 U	25 U	25 U	25 U	25 U	500 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Trichloroethene	5 U	NS	NS	NS	NS	5 U	5 U	5 U	5 U	3.6 J	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5 U	NS	NS	NS	NS	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10 U	NS	NS	NS	NS	10 U	50 U	50 U	50 U	50 U	1000 U	50 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	5 U	NS	NS	NS	NS	5 U	5 U	5 U	5 U	5 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylenes	474	NS	NS	NS	NS	373	543	392	265	152	150 J	332	314	140	431	465	363	289	399

U: Non-Detect, NS: Not Sampled

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO24-PZM007*			*ug/L*															
1,1,1,2-Tetrachloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	*5 U*	3.5 J	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	3.4 J	*10 U*	*10 U*	3.9 J	*10 U*	*10 U*	*10 U*
2-Hexanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	1.7 J	1.2 J	*10 U*	*10 U*
4-Methyl-2-pentanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Acetone	*5 U*	10.2	5.2 J	35.6	22.7 L2	47.8	23.2	4.8 J	14.4 B	9 J	41.4	11.2	16.7 B	18.1	10 J	16	15.8	10.4	16.4 M5
Acrylonitrile	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	5.3	7.5	5.2	5	3.7	5.1	4.4	*1 U*	2.6	2.9	1.8 C8	1.5 C8	1.3	160	*1 U*	3	3.2	2.1	1.3 M5
Bromochloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	1.3	*1 U*	*1 U*	*1 U*	*1 U*	0.83 J	1 JCL	*1 U*	1 JCL	*1 U*	*1 U*
Carbon Disulfide	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Carbon Tetrachloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.27 J	*1 U*	*1 U*	0.35 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	*1 U*	*1 U*	*1 U*	1.4	*1 U*	*1 U*	0.84 J	*1 U*	*1 U*	*1 U*	1.1	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.78 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	5.5	8.6	4.2	4.5	2.8	7.4	4.1	1.6	6.8	8.6	8.8	5.4	5.7	6	4.5	5.2	4.6	2.8	3.2 M5
Iodomethane	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	1.2 JIHM5
Methyl tertiary-butyl ether	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	1.7	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Naphthalene	3,950	3,300	5,870	5,900 L1	2,130	4,160	2,360	383	2,090	3,860	4,220	2,190	3,230	4,070	2,190	3,250	2,620	1,110 CL	9,230 M5
Styrene	*1 U*	1.3	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.56 J	*1 U*	*1 U*	*1 U*	0.55 J	*1 U*	*1 U*	*1 U*
Tetrachloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	4.1	5.5	2.9	3.4	2.4	3.5	3.7	1.3	2.9	2.5	2.1 C8	1.3	1.2	37.3	1.6	1.9	1.9	1.3	1 M5
trans-1,2-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.49 J	*1 U*	*1 U*	1.5	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	*2 U*	*10 U*	*10 U*	*10 U*	*2 U*	*2 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Chloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	12.2	18.1	9.8	10.9	6.7	13	8.5	3	9.3	11.5	10.9	7.2	7.4	21.5	5.9	7.3	6.7	4.1	3.3 M5

U: Non-Detect, NS: Not Sampled

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO26-PZM007*			*ug/L*															
1,1,1,2-Tetrachloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	*5 U*	0.87 J	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*NS*	*10 U*	2.8 J	4.3 J	*10 U*	*10 U*
2-Hexanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*NS*	2.8 J	2.4 J	1.9 J	*10 U*	*10 U*
4-Methyl-2-pentanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*NS*	*10 U*	*10 U*	*10 U*	6.8 J	*10 U*
Acetone	*5 U*	3.1 J	*10 U*	*10 U*	*5 U*	38.7	5.3 J	8.8 J	*10 U*	2.9 J	5.7 J	*10 U*	4.8 JB	*NS*	11.4	11	27.9	*10 U*	16.2 M5
Acrylonitrile	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*NS*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	365	288	324	410	*1 U*	351	366	218	281	205	276	98.2	201	*NS*	314	3.4	163	331	3.5 M5
Bromochloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	3.8	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	2	*NS*	2.1 B	*1 U*	*1 U*	*1 U*	0.76 JM5
Carbon Disulfide	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Carbon Tetrachloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	0.3 J	0.18 J	0.21 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	0.78 J	*1 U*	*1 U*	*1 U*	*1 U*
Chloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	16	10.6	10.1	14.7	*1 U*	11.3	13.1	7.7	8.6	10.9	12.4	4.2	9.8	*NS*	14.1	*1 U*	6.1	10.9	*1 U*
Iodomethane	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	2.6 J	*NS*	*50 U*	*50 U*	*50 U*	*50 U*	0.94 JIHM5
Methyl tertiary-butyl ether	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	1.6	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Naphthalene	2,140	1,940	3,770	6,130 L1	*2 U*	2,390	3,310	1,410	2,020	3,580	3,720	961	2,590	*NS*	3,390	43.7	2,030	2,170 CL	33.8 M5
Styrene	83.7	56.5	56.9	97.8	*1 U*	69.5	77.5	42.5	56.2	57.5	63.6	18.6	29	*NS*	64.8	0.75 J	36.3	64.6	*1 U*
Tetrachloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	206	163	157	236	*1 U*	202	201	106	153	130	142	51.4	117	*NS*	179	1.1	82.8	182	1.4 M5
trans-1,2-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	*2 U*	*10 U*	*10 U*	*10 U*	*2 U*	*2 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Chloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	344	221	220	337	*1 U*	242	281	170	205	236	259	84.5	207	*NS*	300	4	141	244	1.8 JM5

U: Non-Detect, NS: Not Sampled

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO26-PZM032*			*ug/L*															
1,1,1,2-Tetrachloroethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*1 U*	*NS*	*NS*	*NS*	*NS*
1,1,1-Trichloroethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*1 U*	*NS*	*NS*	*NS*	*NS*
1,1,2,2-Tetrachloroethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*1 U*	*NS*	*NS*	*NS*	*NS*
1,1,2-Trichloroethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*1 U*	*NS*	*NS*	*NS*	*NS*
1,1-Dichloroethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*1 U*	*NS*	*NS*	*NS*	*NS*
1,1-Dichloroethene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*1 U*	*NS*	*NS*	*NS*	*NS*
1,2,3-Trichloropropane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*1 U*	*NS*	*NS*	*NS*	*NS*
1,2,4,5-tetrachlorobenzene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*0.99 U*	*NS*	*NS*	*NS*
1,2-Dibromo-3-chloropropane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*5 U*	*5 U*	*NS*	*NS*	*NS*	*NS*
1,2-Dibromoethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*1 U*	*NS*	*NS*	*NS*	*NS*
1,2-Dichlorobenzene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*1 U*	*NS*	*NS*	*NS*	*NS*
1,2-Dichloroethane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*1 U*	*NS*	*NS*	*NS*	*NS*
1,2-Dichloropropane	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*1 U*	*NS*	*NS*	*NS*	*NS*
1,4-Dichlorobenzene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*1 U*	*1 U*	*NS*	*NS*	*NS*	*NS*
2,4,5-Trichlorophenol	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*2.5 U*	*NS*	*NS*	*NS*
2,4,6-Trichlorophenol	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*0.99 U*	*NS*	*NS*	*NS*
2,4-Dichlorophenol	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*0.99 U*	*NS*	*NS*	*NS*
2,4-Dimethylphenol	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*0.99 U*	*NS*	*NS*	*NS*
2,4-Dinitrophenol	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*2.5 U*	*NS*	*NS*	*NS*
2,4-Dinitrotoluene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*0.99 U*	*NS*	*NS*	*NS*
2,6-Dinitrotoluene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*0.99 U*	*NS*	*NS*	*NS*
2-Butanone	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*10 U*	*10 U*	*NS*	*NS*	*NS*	*NS*
2-Chloronaphthalene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*0.99 U*	*NS*	*NS*	*NS*
2-Chlorophenol	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*0.99 U*	*NS*	*NS*	*NS*
2-Hexanone	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*10 U*	*10 U*	*NS*	*NS*	*NS*	*NS*
2-Methylnaphthalene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*0.99 U*	*NS*	*NS*	*NS*
2-Methylphenol	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*0.99 U*	*NS*	*NS*	*NS*
2-Nitroaniline	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*2.5 U*	*NS*	*NS*	*NS*
3,3'-Dichlorobenzidine	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*0.99 U*	*NS*	*NS*	*NS*
4-Chloroaniline	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*0.99 U*	*NS*	*NS*	*NS*
4-Methyl-2-pentanone	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*10 U*	*10 U*	*NS*	*NS*	*NS*	*NS*
4-Nitroaniline	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*2.5 U*	*NS*	*NS*	*NS*
Acenaphthene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*0.99 U*	*NS*	*NS*	*NS*
Acenaphthylene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*0.99 U*	*NS*	*NS*	*NS*
Acetone	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*10 U*	*10 U*	*NS*	*NS*	*NS*	*NS*
Acetophenone	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*0.99 U*	*NS*	*NS*	*NS*
Acrylonitrile	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*4 U*	*4 U*	*NS*	*NS*	*NS*	*NS*
Anthracene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*0.99 U*	*NS*	*NS*	*NS*
Benz[a]anthracene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*0.99 U*	*NS*	*NS*	*NS*
Benzene	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	3.9	0.5 J	*NS*	*NS*	*NS*	*NS*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Benzo[a]pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
Benzo[b]fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
Benzo[g,h,i]perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
Benzo[k]fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
bis(2-Chloro-1-methylethyl)ethe	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
bis(2-Chloroethoxy)methane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
bis(2-Chloroethyl)ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.1 B	NS	NS	NS
Bromochloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Bromodichloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Bromoform	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Bromomethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.5	1.9 B	NS	NS	NS	NS
Carbazole	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
Carbon Disulfide	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Carbon Tetrachloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Chlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Chloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Chloroform	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Chloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
cis-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
cis-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Dibenz[a,h]anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
Dibromochloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Dibromomethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Diethylphthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
Di-n-butylphthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
Di-n-octylphthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.73 J	NS	NS	NS
Ethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
Hexachloro-1,3-butadiene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
Hexachlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
Hexachloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
Indeno[1,2,3-cd]pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
Iodomethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	50 U	50 U	NS	NS	NS	NS
Isophorone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
Methyl tertiary-butyl ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Methylene Chloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	38.5	48.6 C8	0.99 U	NS	NS	NS
Nitrobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS

U: Non-Detect, NS: Not Sampled

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
N-Nitroso-di-n-propylamine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
N-Nitrosodiphenylamine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
Pentachlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.5 U	NS	NS	NS
Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
Phenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.99 U	NS	NS	NS
Styrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Tetrachloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Toluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.6	1 U	NS	NS	NS	NS
Total Antimony	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	6 U	NS	NS	NS
Total Arsenic	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	NS	NS	NS
Total Barium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	69.8 5c	NS	NS	NS
Total Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	NS	NS	NS
Total Cadmium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3 U	NS	NS	NS
Total Chromium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	NS	NS	NS
Total Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	25 U	NS	NS	NS
Total Copper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	NS	NS	NS
Total Iron	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,170 6c	NS	NS	NS
Total Lead	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	25 U	NS	NS	NS
Total Manganese	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5,400 5c	NS	NS	NS
Total Mercury	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2 U	NS	NS	NS
Total Nickel	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	10 U	NS	NS	NS
Total Selenium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	8 U	NS	NS	NS
Total Silver	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	6 U	NS	NS	NS
Total Thallium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	50 U	NS	NS	NS
Total Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.4 5c	NS	NS	NS
Total Zinc	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	10 U	NS	NS	NS
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
trans-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
trans-1,4-Dichloro-2-butene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	NS	NS	NS	NS
Trichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Vinyl Acetate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Vinyl Chloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 U	1 U	NS	NS	NS	NS
Xylenes	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2 J	3 U	NS	NS	NS	NS

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO55-PZM000*			*ug/L*															
1,1,1,2-Tetrachloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*25 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
2-Butanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	81.5	1.8 J	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	2.6 J	*10 U*	*10 U*	*50 U*	*10 U*	*10 U*	*10 U*
2-Hexanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	25.6	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*50 U*	1.8 J	*10 U*	*10 U*
4-Methyl-2-pentanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*50 U*	*10 U*	*10 U*	*10 U*
Acetone	36.1	4 J	11.8	50 MHR1	*5 U*	372	6 J	8.9 J	6.3 JB	6.9 J	31.6	8.7 J	320	15.4	*10 U*	28.8 J	11.7	*10 U*	*10 U*
Acrylonitrile	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*20 U*	*4 U*	*4 U*	*4 U*
Benzene	8.2	15.8	7.9	*1 U*	9.4	11.8	47.5	*1 U*	*1 U*	38	*1 U*	6	3.5	23.5	*1 U*	222	1.2	*1 U*	*1 U*
Bromochloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
Bromoform	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
Bromomethane	*1 U*	0.6 JB	6.1	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	5.2 B	4.2	1.2 CL	*5 U*	*1 U*	*1 U*	*1 U*
Carbon Disulfide	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
Carbon Tetrachloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.32 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
Chloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
Chloroform	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
Chloromethane	*1 U*	*1 U*	2.2	1.6	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	1.1	*1 U*	*1 U*	1.9	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	1.9	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	*1 U*	0.53 J	0.29 J	*1 U*	0.23 J	0.53 J	3	*1 U*	*1 U*	1.7	*1 U*	*1 U*	*1 U*	0.63 J	*1 U*	7.6	*1 U*	*1 U*	*1 U*
Iodomethane	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	2.1 J	*50 U*	*50 U*	*250 U*	*50 U*	*50 U*	*50 U*
Methyl tertiary-butyl ether	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
Naphthalene	92.2	56	71	*2 U*	76.7	91.7	331	2 J	*2 U*	141	*2 U*	8.9	5.8	45.4	1.7 J	1,920	3.4	*2 U*	*2 U*
Styrene	*1 U*	0.74 J	*1 U*	*1 U*	*1 U*	*1 U*	2.3	*1 U*	*1 U*	0.88 J	*1 U*	*1 U*	*1 U*	0.43 J	*1 U*	30.8	*1 U*	*1 U*	*1 U*
Tetrachloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	4.3	6.9	2.7	0.33 JML	5.9	6	32	1.2	*1 U*	8.6	*1 U*	0.82 J	3.8	7.6	0.32 J	12.5	0.41 J	*1 U*	*1 U*
trans-1,2-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*25 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	*2 U*	*10 U*	*10 U*	*10 U*	*2 U*	*2 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
Vinyl Chloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*1 U*	*1 U*	*1 U*
Xylenes	6	9.1	3.2	*3 U*	5.8	8.6	54.7	3.3	*3 U*	23.7	*3 U*	*3 U*	4.2	10.6	*3 U*	158	*3 U*	*3 U*	*3 U*

U: Non-Detect, NS: Not Sampled

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO56-PZP001*			*ug/L*															
1,1,1,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,1-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2,2-Tetrachloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1,2-Trichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,1-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2,3-Trichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromo-3-chloropropane	*5 U*	*25 U*	*25 U*	*25 U*	*1 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
1,2-Dibromoethane	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dichloropropane	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,4-Dichlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
2-Butanone	*25 U*	*50 U*	*50 U*	*50 U*	*5 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
2-Hexanone	*25 U*	*50 U*	*50 U*	*50 U*	*5 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
4-Methyl-2-pentanone	*25 U*	*50 U*	*50 U*	*50 U*	*5 U*	*25 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
Acetone	*25 U*	25.8 J	*50 U*	50.2	7.6 JL2	109	16.2 J	18.9 J	29.2 JB	18 J	65	*50 U*	70.1 B	28.2 J	77.3	42.8 J	31.7 J	*50 U*	*50 U*
Acrylonitrile	*20 U*	*20 U*	*20 U*	*20 U*	*4 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*	*20 U*
Benzene	380	391	503	437	345	385	438	346	319	192	203	246	229	248	361	266	352	224	255
Bromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromodichloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromoform	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Bromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	11	12 CL	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Disulfide	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Carbon Tetrachloride	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chlorobenzene	*5 U*	*5 U*	*5 U*	*5 U*	0.6 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroethane	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloroform	*5 U*	1.5 J	*5 U*	*5 U*	0.5 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Chloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	1.4 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
cis-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromochloromethane	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Dibromomethane	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Ethylbenzene	15.1	13.4	14.6	14	9.2	14.3	13.8	9.6	12.8	8.5	8.8	9.4	8.2	8.6	10.5	8.6	11.7	10.1	10.7
Iodomethane	*5 U*	*250 U*	*250 U*	*250 U*	*1 U*	*5 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*	*250 U*
Methyl tertiary-butyl ether	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Methylene Chloride	*5 U*	3.9 JB	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	4.4 JB	*5 U*	*5 U*	4.4 J	*5 U*	*5 U*	*5 U*
Naphthalene	10,800	2,580	32,300	17,900 L1	4,670	3,440	4,130	1,760	2,800	1,870	3,290	2,400	1,930	2,200 MHML	2,790	3,750	3,250	1,470	2,180 E
Styrene	62	61.1	80.4	78.5	36.2	63	85.3	43.2	46	34.6	43.3	52.2	41.2	38.9	86	57.2	58.6	27.6	58.8
Tetrachloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	176	87.3	136	186	149	103	140	169	177	18.3	45.7	117	88.1	61.4	122	89	157	21.3	95.5
trans-1,2-Dichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,3-Dichloropropene	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
trans-1,4-Dichloro-2-butene	*5 U*	*25 U*	*25 U*	*25 U*	*1 U*	*5 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*	*25 U*
Trichloroethene	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	2.3 J	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichlorofluoromethane	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Acetate	*10 U*	*50 U*	*50 U*	*50 U*	*2 U*	*10 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Vinyl Chloride	*5 U*	*5 U*	*5 U*	*5 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Xylenes	281	256	295	313	196	282	289	219	266	190	182	200	186	190	258	197	251	195	235

U: Non-Detect, NS: Not Sampled

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO57-PZP002*			*ug/L*															
1,1,1,2-Tetrachloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
1,1,1-Trichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
1,1,2,2-Tetrachloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
1,1,2-Trichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
1,1-Dichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
1,1-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
1,2,3-Trichloropropane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
1,2-Dibromo-3-chloropropane	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*	*NS*
1,2-Dibromoethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
1,2-Dichlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
1,2-Dichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
1,2-Dichloropropane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
1,4-Dichlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
2-Butanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	6.9 J	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	3.7 J	*10 U*	*10 U*	2.6 J	7.3 J	*NS*	*NS*
2-Hexanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	1.7 J	2.7 J	*NS*	*NS*
4-Methyl-2-pentanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*NS*	*NS*
Acetone	134 M1	4.5 J	*10 U*	33.8 B	14.9	120	6.4 J	3.3 J	9.1 JB	4.1 J	35.8	*10 U*	321	9.1 J	6 J	7.8 J	41.6	*NS*	*NS*
Acrylonitrile	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*NS*	*NS*
Benzene	*1 U*	*1 U*	1.3	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	2.4	*1 U*	*1 U*	*1 U*	*NS*	*NS*
Bromochloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
Bromodichloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
Bromoform	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
Bromomethane	7.8	5 B	6.3	7.5	2.4	1.1	0.95 J	1.9	2.4	*1 U*	0.94 J	0.86 JCL	2.5	0.92 J	2.3 CL	*1 U*	1.4	*NS*	*NS*
Carbon Disulfide	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
Carbon Tetrachloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
Chlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
Chloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
Chloroform	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
Chloromethane	*1 U*	2	*1 U*	3	*1 U*	1.5	3.3	*1 U*	*1 U*	*1 U*	0.98 J	*1 U*	3.2	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
cis-1,2-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.29 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
cis-1,3-Dichloropropene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
Dibromochloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
Dibromomethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
Ethylbenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
Iodomethane	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1 U*	5 JCH	*50 U*	*50 U*	*50 U*	*50 U*	0.69 JCL	3.2 J	*50 U*	*50 U*	*50 U*	*50 U*	*NS*	*NS*
Methyl tertiary-butyl ether	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
Methylene Chloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
Naphthalene	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	4.2	*2 U*	*2 U*	*2 U*	0.93 J	*2 U*	*2 U*	10.6	4.6	1.2 J	2.1	1.8 J	*NS*	*NS*
Styrene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*
Tetrachloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*	*NS*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	1 U	0.24 J	0.33 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.45 J	0.74 J	1 U	1 U	1 U	NS	NS
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	NS
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	NS
trans-1,4-Dichloro-2-butene	1 U	5 U	5 U	5 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	NS
Trichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	NS
Trichlorofluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	NS
Vinyl Acetate	2 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	NS	NS
Vinyl Chloride	1 U	1 U	0.33 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	NS
Xylenes	1 U	3 U	3 U	3 U	1 U	1 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	NS	NS

U: Non-Detect, NS: Not Sampled

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO58-PZM001*			*ug/L*															
1,1,1,2-Tetrachloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	0.46 J	*1 U*	0.4 J	0.39 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.4 J	0.56 J	*1 U*	*1 U*	0.37 J	*1 U*	0.68 J	0.9 JM5
1,1-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	5.1 J	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	4.1 J	*10 U*	*10 U*	*10 U*
2-Hexanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	2.8 J	0.98 J	*10 U*	*10 U*
4-Methyl-2-pentanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Acetone	*5 U*	3 J	*10 U*	19.9	*5 U*	56.2	3.8 J	3.2 J	8.3 JB	3.4 J	3.1 J	*10 U*	72.2	6.8 J	*10 U*	15.8	20.5	*10 U*	17.1 M5
Acrylonitrile	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	247	272	276	316	187	256	238	98.7	185	41.4	195	114	180	174	224	189	224	237	243 M5
Bromochloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.62 J	1.1	1.7 CL	*1 U*	*1 U*	*1 U*	*1 U*
Carbon Disulfide	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Carbon Tetrachloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	*1 U*	0.26 J	*1 U*	*1 U*	0.42 J	*1 U*	0.55 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.38 J	*1 U*	*1 U*
Chloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	*1 U*	*1 U*	*1 U*	3.8	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.82 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,2-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.26 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	13.8	14.7	11.3	13.4	5.9	12.4	11.8	5.4	9.1	2.4	9.2	5.2	7.9	9.4	10.9	8.9	10.3	10.6	11.4 M5
Iodomethane	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
Methyl tertiary-butyl ether	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Naphthalene	3,610	2,490	2,870	3,040 L1	1,420	1,980	2,310	572	1,540	681	2,140	701	1,320	1,870	1,250	3,060	1,940	1,950 CL	8,170 M5
Styrene	36.7	45.2	38.3	45.1	14.1	38.5	34.3	11.5	28.6	2.8	22.3	8.1	14.9	21.5	23	21.1	26.3	22.8	27.9 M5
Tetrachloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	93.2	138	128	146	63.3	106	93.9	34.5	59.9	13.3	41.5	30.3	51.7	75.4	92.5	75.6	89.6	63.3	68.5 M5
trans-1,2-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.52 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	*2 U*	*10 U*	*10 U*	*10 U*	*2 U*	*2 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Chloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	218	245	199	249	102	213	207	83.5	155	42.4	149	76.6	123	156	180	142	174	166	197 M5

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO59-PZP002*			*ug/L*															
1,1,1,2-Tetrachloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
1,1,1-Trichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
1,1,2,2-Tetrachloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
1,1,2-Trichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
1,1-Dichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.32 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
1,1-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
1,2,3-Trichloropropane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
1,2-Dibromo-3-chloropropane	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*
1,2-Dibromoethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
1,2-Dichlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
1,2-Dichloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
1,2-Dichloropropane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
1,4-Dichlorobenzene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
2-Butanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	5.9 J	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	3.1 J	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*NS*
2-Hexanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	1.6 J	*10 U*	*10 U*	*NS*
4-Methyl-2-pentanone	*5 U*	*10 U*	*10 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	0.89 J	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*NS*
Acetone	*5 U*	4.4 J	*10 U*	19	9.5 JL2	64.5	5.8 J	4.6 J	8.6 JB	4 J	30.4 R1	6.2 J	304	6.2 J	*10 U*	7.7 J	9.2 J	9.3 J	*NS*
Acrylonitrile	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*NS*
Benzene	9.5	1.2	255	393	*1 U*	*1 U*	144	*1 U*	*1 U*	0.61 J	17.5	*1 U*	2.4	4.6	7.4	*1 U*	17	*1 U*	*NS*
Bromochloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
Bromodichloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
Bromoform	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
Bromomethane	4.2	0.65 JB	5.5	*1 U*	*1 U*	1.7	*1 U*	*1 U*	*1 U*	*1 U*	0.65 J	*1 U*	1.6	1.8	2.2 CL	*1 U*	1.5 CL	*1 U*	*NS*
Carbon Disulfide	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
Carbon Tetrachloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
Chlorobenzene	*1 U*	*1 U*	0.52 J	*1 U*	*1 U*	*1 U*	0.43 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
Chloroethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
Chloroform	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
Chloromethane	*1 U*	*1 U*	*1 U*	1	*1 U*	1.4	1	*1 U*	*1 U*	*1 U*	0.78 J	*1 U*	1.5	1.5	*1 U*	*1 U*	1.1	*1 U*	*NS*
cis-1,2-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
cis-1,3-Dichloropropene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
Dibromochloromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
Dibromomethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
Ethylbenzene	0.55 J	*1 U*	12.2	19.5	*1 U*	*1 U*	7.4	*1 U*	*1 U*	*1 U*	1.3	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.9 J	*1 U*	*NS*
Iodomethane	4.3 J	*50 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	3.2 J	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*NS*
Methyl tertiary-butyl ether	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
Methylene Chloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
Naphthalene	34.7	2	964 H1	4,720 L1	3.3	1.3 J	492	7.3	*2 U*	*2 U*	94.5	*2 U*	5.7	19.9	26.1	2.2 R1	31.4	68.6	*NS*
Styrene	*1 U*	*1 U*	7.6	22.8	*1 U*	*1 U*	2.1	*1 U*	*1 U*	*1 U*	0.63 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
Tetrachloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	4.7	0.22 J	122	230	*1 U*	0.37 J	64.7	*1 U*	*1 U*	0.88 J	2.5	*1 U*	1.3	1.5	2.8	*1 U*	6.3	*1 U*	*NS*
trans-1,2-Dichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
trans-1,3-Dichloropropene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
trans-1,4-Dichloro-2-butene	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*NS*
Trichloroethene	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
Trichlorofluoromethane	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
Vinyl Acetate	*2 U*	*10 U*	*10 U*	*10 U*	*2 U*	*2 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
Vinyl Chloride	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*NS*
Xylenes	7.4	*3 U*	199	325	*1 U*	2.9 J	116	*3 U*	*3 U*	3.4	12.6	*3 U*	1.3 J	3.1	5.2	*3 U*	11.9	*3 U*	*NS*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Location ID:	*CO60-PZP001*			*ug/L*															
1,1,1,2-Tetrachloroethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,1-Trichloroethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2,2-Tetrachloroethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1,2-Trichloroethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,1-Dichloroethene	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2,3-Trichloropropane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dibromo-3-chloropropane	*5 U*	*25 U*	*5 U*	*5 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
1,2-Dibromoethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichlorobenzene	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloroethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,2-Dichloropropane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
1,4-Dichlorobenzene	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
2-Butanone	*25 U*	*50 U*	*10 U*	*10 U*	*5 U*	5.1 J	3.8 J	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
2-Hexanone	*25 U*	*50 U*	*10 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	0.84 J	*10 U*	*10 U*
4-Methyl-2-pentanone	*25 U*	*50 U*	*10 U*	*10 U*	*5 U*	*5 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Acetone	*25 U*	27.1 J	*10 U*	23	9.7 JL2	84.9	38.7	7.9 J	13.3 B	8.9 J	6.5 J	*10 U*	10.7 B	12.8	10.9	*10 U*	15.1	8.2 J	27.8 M5
Acrylonitrile	*20 U*	*20 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*	*4 U*
Benzene	189	189	28.3	151	133	260	310	166	400	172	218	197	147	181	254	*1 U*	249	244	264 M5
Bromochloromethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromodichloromethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromoform	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Bromomethane	*5 U*	3.1 JB	5.5	3	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	4.1	3.9	1.6 CL	*1 U*	1.5 CL	*1 U*	1 M5
Carbon Disulfide	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Carbon Tetrachloride	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chlorobenzene	*5 U*	*5 U*	*1 U*	*1 U*	0.26 J	0.56 J	0.61 J	*1 U*	*1 U*	*1 U*	0.56 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.31 J	0.48 J	0.38 JM5
Chloroethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloroform	*5 U*	2.6 J	0.49 J	1.7	1.8	*1 U*	0.32 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Chloromethane	*5 U*	*5 U*	*1 U*	1.8	*1 U*	1.1	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	3.8	*1 U*	*1 U*	1.1	*1 U*	*1 U*
cis-1,2-Dichloroethene	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.32 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
cis-1,3-Dichloropropene	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromochloromethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Dibromomethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Ethylbenzene	6.1	5.6	0.79 J	3.7	2.4	7.1	8.7	3.1	8	7.2	7.8	6.5	5	5.8	8	*1 U*	7	10.1	8.7 M5
Iodomethane	*5 U*	*250 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	2.1 J	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	1.3 JIHM5
Methyl tertiary-butyl ether	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Methylene Chloride	*5 U*	4.3 JB	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Naphthalene	892	1,010	198	676	373	1000	2,020	446	1,620	1,700	2,470	1,540	1,310	2,100	1,590	1.8 J	1,700	1,140	9,620 M5
Styrene	16.2	11.1	1.4	16.4	3.4	17.6	45.6	15.9	63.6	14.3	35.2	34.6	4.7	15	33.9	*1 U*	25.9	29.9	57.5 M5
Tetrachloroethene	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*

U: Non-Detect, *NS: Not Sampled*

Parameter	6/1/2016	9/1/2016	12/1/2016	3/1/2017	6/1/2017	9/1/2017	12/1/2017	3/1/2018	6/1/2018	9/1/2018	12/1/2018	3/1/2019	6/1/2019	10/1/2019	12/1/2019	2/1/2020	5/1/2020	9/1/2020	12/1/2020
Toluene	25.8	11.8	2.3	19.3	12.9	33.8	31	40.5	156	14.1	36.1	53.8	16.2	13.4	20.8	*1 U*	35.1	23.7	60.7 M5
trans-1,2-Dichloroethene	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,3-Dichloropropene	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
trans-1,4-Dichloro-2-butene	*5 U*	*25 U*	*5 U*	*5 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Trichloroethene	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.64 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Trichlorofluoromethane	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Acetate	*10 U*	*50 U*	*10 U*	*10 U*	*2 U*	*2 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Vinyl Chloride	*5 U*	*5 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	123	96.8	16.7	73.9	47.3	140	176	63.1	183	148	167	148	111	117	172	*3 U*	162	211	225 M5

U: Non-Detect, *NS: Not Sampled*