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September 18, 2019
File No. 20.0155935.01

Mr. Michael M. Schmoller, Advanced Hydrogeologist
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5367

Re: 2019 Annual (June 2019 Event) Groundwater Sampling Report
Former Trent Tube Plant No. 1
2188 Church Street
East Troy, Wisconsin
BRRTS #02-65-245827

Dear Mr. Schmoller:

GZA GeoEnvironmental, Inc. (GZA) is submitting this 2019 Annual Groundwater Sampling Report on behalf of EnPro Holdings, Inc. (EnPro Holdings) for the former Trent Tube Plant No. 1 site in the Village of East Troy, Wisconsin ("Site"). This report includes a summary of the groundwater monitoring well installation and the groundwater sampling activities performed in June 2019. This report also provides a geochemical evaluation of the groundwater conditions relating to the degradation of chlorinated hydrocarbons dissolved in groundwater. Please note that this report is subject to the Limitations provided in Attachment 1.

On April 17, 2019, EnPro Holdings, Husch Blackwell, and GZA met with the Wisconsin Department of Natural Resources (WDNR) and the property owner (Trustee) at the Village of East Troy offices to discuss the status of the environmental investigation and remediation. At this meeting, GZA identified six locations within the footprint of the former building and east of the former building where it was proposed to install additional groundwater monitoring wells to further delineate groundwater impacts. The WDNR was in general concurrence with the additional wells. GZA installed the monitoring wells prior to performing the June annual groundwater sampling event.

From June 18 through 21, 2019, GZA completed annual groundwater monitoring and sampling activities at the Site. The field activities included measurement of groundwater levels, collection of groundwater samples, and the measurement of field parameters from 67 wells across the Site. GZA sampled the monitoring and recovery wells, which were also sampled during the 2018 sampling events. GZA also sampled observation points (OP-1, OP-4 through OP-8, and OP-10 through OP-16) located between the Groundwater Extraction Treatment System (GETS) recovery wells. These had not been sampled during previous sampling events. The observation points were sampled to allow GZA to compare results with the recovery wells since the recovery wells are a point of treatment and the observation points will serve as compliance monitoring points along Honey Creek.

During the period since the semi-annual groundwater sampling report was submitted in February 2019, the GETS operated with required and routine operation and maintenance activities. Effluent samples were collected from the groundwater discharge, and the volatile organic compound (VOC) concentrations were below permitted limits established in the General Wisconsin Pollutant Discharge Elimination System (WPDES) Permit. The results of the discharge monitoring are reported to the WDNR quarterly on the Discharge Monitoring Report form and are included in the annual WDNR Remediation Site Operation, Maintenance, Monitoring & Optimization Report, which will be submitted under separate cover.

This report, including the groundwater sampling results, is being submitted to satisfy the requirements for submittal of progress in accordance with Wisconsin Administrative Code (Wis. Adm. Code) Chapter NR 724.13(3) for operation and maintenance of remedial systems. The results of this most recent groundwater sampling will also be used to confirm the mass of chlorinated hydrocarbons dissolved in groundwater and partitioning from soil to groundwater.

MONITORING WELL INSTALLATION AND DEVELOPMENT

On June 12 and 13, 2019, GZA supervised the advancement of soil borings and the installation of monitoring wells (MW-38 through MW-42, MW-13R, and MW-18R) at seven locations. Two of the monitoring wells (MW-13 R and MW-18R) were installed near the previous locations of abandoned monitoring wells. The remainder of the wells were installed at locations that had not previously been investigated. The borings were advanced using direct push drilling techniques followed by solid stem augers to enlarge the boring for well installation in accordance with Chapter NR 141 of the Wis. Adm. Code.

These wells were installed to depths ranging from 18 to 20 feet below ground surface (bgs) and were constructed with 10 feet of 2-inch, Schedule 40 polyvinyl chloride (PVC), 0.01-inch slotted well screen and PVC riser. The sand filter pack was placed in the annular space surrounding the well screen from the bottom of the boring to approximately 2 feet above the top of the well screen. A bentonite seal was place from the top of the sand filter pack to approximately 1 foot bgs. The wells were completed as above-grade wells with a protective steel casing placed over the well casing.

The newly installed wells were developed on June 17, 2019, using a surge block and disposable bailer. The wells were purged until the water cleared of sediment and the sediment was removed from the bottom of the well. The purge volume ranged from 15 to 21 gallons per well. The development water was collected in 5-gallon buckets and transported to the on-Site GETS for treatment and disposal. The soil boring logs, well completion records, and well development forms for the newly installed wells are included in Attachment 2.

GROUNDWATER MONITORING METHODS

Groundwater samples were collected from 67 monitoring wells from June 18 through 21, 2019, using low-flow sampling techniques in accordance with the procedures specified in the WDNR Groundwater Sampling Field Manual (PUBL-DG-03896). The sampled wells included the list of monitoring and recovery wells previously approved for sampling by the WDNR for the annual sampling event, as well as additional observation points located between the recovery wells. The additional observation points between the recovery wells were sampled to establish a baseline for monitoring compliance of groundwater remediation. During the low-flow sampling procedure, field parameters for pH, temperature, specific conductivity, dissolved oxygen (DO), turbidity, and oxidation-reduction potential (ORP) were measured and recorded.

Water Level Measurements

Water level measurements, referenced to the top of PVC monitoring well casing, were measured in each well prior to well purging and sampling. The water levels were measured using a Solinst™ water level indicator. GZA decontaminated the equipment prior to and between sampling at each well location.

The depth to groundwater varied across the Site from approximately 3 to 20 feet bgs depending on location. The depth to groundwater measurements collected from each well were used to calculate the groundwater elevation and to prepare a groundwater potentiometric surface map for the shallow groundwater system. Table 1 presents a summary of the groundwater elevations. Figure 1 presents the potentiometric surface for the June 14, 2019 gauging event.

The horizontal direction of groundwater flow at the Site is generally toward Honey Creek to the south, which represents a discharge point for shallow groundwater flow at the Site. As the GETS was operating at the time of the groundwater level measurements, a depressed area of groundwater was observed in the area around the extraction wells along Honey Creek. The horizontal hydraulic gradient varies across the Site. The hydraulic gradient is relatively shallow in the area of the former building and along Trent Street to the north. There is a steeper gradient along Honey Creek near the south

side of the former building and along the former channel and lagoon. The newly installed monitoring wells provided more detail about the hydraulic gradient and groundwater flow direction in the area beneath the building.

Based on the June 14, 2019 measurements, the average horizontal hydraulic gradient on the northern portion of the Site is approximately 0.019 feet per foot (ft/ft). Near Honey Creek, the average hydraulic gradient increases to 0.041 ft/ft. The horizontal groundwater flow direction and hydraulic gradient are consistent with the topography of the Site and with other groundwater elevations previously measured at the Site. Although there is limited groundwater elevation data in the area south of Honey Creek, the creek appears to provide a hydraulic barrier that limits migration of groundwater beyond the creek.

The area of consolidation (AOC) on the eastern portion of the Site does not appear to change the shallow groundwater flow direction or depth to groundwater due to mounding of water in the AOC material. The AOC is an area of fill that meets the existing surface grade on the west and is approximately 6 to 8 feet above the apparent grade to the east. The depth to groundwater in this area is approximately 9 feet bgs which is at or below the estimated maximum thickness of fill material in the AOC.

Groundwater Sampling

Following the collection of groundwater level measurements, GZA purged 40 monitoring wells and 27 recovery wells using low-flow sampling techniques. The wells were purged using a peristaltic pump equipped with dedicated polyethylene tubing and a multi-meter equipped with a flow-through cell to measure field parameters (pH, temperature, DO, ORP, turbidity, and specific conductance). In accordance with WDNR's sampling requirements, the tubing intake was set in each well based on the mid-point of the screen if the top of the well screen was below the groundwater interface or in the middle of the water column in the well if the groundwater interface was within the well screen section.

The well purge rate (typically less than 300 milliliters per minute [ml/min]) was set to minimize drawdown. The well was purged until the field parameters stabilized within specified limits for the low-flow sampling techniques. The groundwater samples at each well were collected directly from the polyethylene tubing by disconnecting the tubing between the peristaltic pump and the flow-through cell. The groundwater samples were collected directly into laboratory-supplied and properly preserved sample containers. The groundwater purged from each well was collected in 5-gallon buckets and placed in a sump that discharges to the GETS for treatment.

During purging, field parameters were measured using a YSI 556 MPS Multimeter water quality meter and a Lamotte 2200we turbidity meter. A summary of the final stabilized field parameter measurements for each well is presented on Table 2.

Following sample collection, the samples were placed on ice in an insulated cooler and were shipped to Pace Analytical Services, Inc. of Green Bay, Wisconsin (WDNR ID No. 405132750) via overnight carrier. The groundwater samples were analyzed for VOCs by United States Environmental Protection Agency (USEPA) Method 8260. Select samples were also analyzed for ethene and ethane by USEPA Method 8015B Modified, dissolved iron and manganese by USEPA Method 6010, nitrate and sulfate by USEPA Method 300.0, alkalinity by USEPA Method 310.2, and total organic carbon (TOC) by USEPA Method SM 5310C.

For quality assurance/quality control (QA/QC) purposes, duplicate samples were collected at a rate of one duplicate for every 20 wells sampled. Six duplicate samples were collected and submitted for analysis of VOCs. Trip blanks were included in each cooler shipped to the laboratory and were analyzed for VOCs. Equipment blanks were not collected because GZA used new disposable tubing and laboratory-supplied transfer containers to sample at each well. QA/QC samples were processed and handled using the same protocol as the actual samples. Concentrations detected in duplicate samples were similar to concentrations detected in the corresponding original well samples. The trip blank results showed no detected constituents. The laboratory analytical reports and chain-of-custody forms for the groundwater samples are provided in Attachment 3.

GROUNDWATER ANALYTICAL RESULTS

The groundwater contaminants of concern at the Site are chlorinated hydrocarbons, primarily, trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), and vinyl chloride. Other chlorinated hydrocarbons, such as 1,1,1-trichloroethane (1,1,1-TCA), 1,1,2-TCA, 1,1-dichloroethane (1,1-DCA), 1,1-DCE, and tetrachloroethene (PCE) were detected in monitoring wells at the Site, but the concentrations in most of these wells did not exceed the WDNR Enforcement Standard (ES). In addition, these wells are located within the area of TCE-affected groundwater that exceeds the ES. Therefore, for the purposes of this report, the chlorinated hydrocarbons presented in the evaluation of groundwater quality will be TCE and the breakdown daughter products of TCE, including cis-1,2-DCE and vinyl chloride. The groundwater analytical results for the June 2019 groundwater sampling event are summarized on Table 3.

Detection Summary

The following table provides a summary of the monitoring wells in which groundwater concentrations exceeded the Preventive Action Limit (PAL) and ES and provides a general location of the ES exceedances on-Site. The ES exceedances appear to correspond to reported operational areas in which chlorinated hydrocarbons were used during the manufacturing process.

Compound	Monitoring Wells Exceeding the PAL, But Less Than ES	Monitoring Wells Exceeding the ES	ES Exceedance Location On the Site
TCE	MW-15, MW-37R, OP-8, OP-9	MW-2, MW-4, MW-6, MW-16, MW-17R, MW-18R, MW-39, MW-40, MW-41, MW-42, OP-1, OP-2, OP-3, OP-4, OP-5, OP-7, OP-10, OP-14, OP-15, OP-16	- In and downgradient of the southern degreasing area within the former building - In the northern portion of the former building - In the southwestern portion of the AOC
cis-1,2-DCE	OP-4, OP-9, OP-10, OP-14	MW-6, MW-16, MW-17R, MW-18R, MW-39, MW-40, OP-1, OP-2, OP-3, OP-5, OP-7, OP-15	- In and downgradient of the southern degreasing area within the former building - In the northern portion of the former building - In the southwestern portion of the AOC
Vinyl Chloride	None	MW-6, MW-7R, MW-12, MW-13R, MW-15, MW-17R, MW-18R, MW-19, MW-20, MW-39, MW-40, OP-2, OP-3, OP-5OP-7, OP-8, OP-9, OP-10, OP-11, OP-15, OP-16	- In and downgradient of the southern degreasing area within the former building - In the northern portion of the former building - In the southwestern portion of the AOC
PCE	MW-1R, MW-4, MW-4A, MW-6A, MW-8, MW-11, MW-12, MW-13R, MW-15, MW-19, MW-21, MW-27, MW-29, MW-37R, MW-40, MW-41, OP-3, OP-4, OP-7, OP-8, OP-9, OP-10, OP-11	OP-14, OP-15	- In the southwestern portion of the Site along Honey Creek
1,1,1-TCA	MW-39, OP-1, OP-3, OP-4, OP-15	MW-16, MW-40, OP-2	- In the former maintenance shop area and downgradient
1,1,2-TCA	MW-40	None	- In and downgradient of the former maintenance shop area

Compound	Monitoring Wells Exceeding the PAL, But Less Than ES	Monitoring Wells Exceeding the ES	ES Exceedance Location On the Site
1,1-DCA	MW-40, OP-2	None	- In and downgradient of the former maintenance shop area
1,1-DCE	OP-1, OP-2, OP-5, OP-7, OP-9, OP-15, OP-16	MW-16, MW-18R, MW-39, MW-40, OP-3, OP-4,	- In and downgradient of the southern degreasing area within the former building

Chlorinated Hydrocarbon Distribution

The installation of the seven new monitoring wells indicate that TCE is present at concentrations exceeding the ES beneath the former building. The newly installed wells have provided delineation of the TCE groundwater plume to the north.

The recent results confirm that there are two areas at the Site exceeding the ES for chlorinated hydrocarbons. One area is in the northern portion of the former building near MW-17R. The second area is in the southern portion of the former building and to the east along Honey Creek. Figures 2, 3, and 4 illustrate the groundwater distribution of dissolved TCE, cis-1,2-DCE, and vinyl chloride, respectively.

The distribution of dissolved TCE and the daughter products in groundwater can be used to determine the mass of chlorinated hydrocarbons in groundwater. The daughter products are formed during the degradation process by removal of a chlorine ion generally under reducing conditions, thus reducing the mass of the remaining compounds in the groundwater. With each successive degradation step (TCE to cis-1,2-DCE to vinyl chloride), the mass of compounds is reduced. At the Site, the daughter products are formed by the degradation process and are not products that were released during the manufacturing process. Therefore, from the stoichiometric relationship between the parent and daughter products, the equivalent pounds of TCE can be calculated that would have been present in the groundwater to cause the cis-1,2-DCE and vinyl chloride concentrations measured in June 2019. This calculated mass is referred to as the TCE-equivalent mass in the groundwater. By calculating the TCE-equivalent mass for successive groundwater monitoring events and tracking the trends in the TCE-equivalent mass, the progress of the degradation processes and remediation at the Site can be evaluated.

Based on the TCE-equivalent mass calculations, the distribution of TCE, cis-1,2-DCE, and vinyl chloride, as shown on Figures 2, 3, and 4, represent a total TCE-equivalent mass of 48.61 pounds. Assuming a mass of 12.22 pounds per gallon of TCE, this mass represents approximately 4 gallons of TCE distributed in the groundwater. The calculation of the TCE-equivalent mass in groundwater for the June 2019 sampling event is presented in Attachment 4.

The highest concentrations of TCE detected in groundwater at the Site are in monitoring wells MW-2, MW-18R, and MW-42. These monitoring wells are located in the western portion of the southern degreasing area within the former building. The TCE-affected groundwater extends to the east beneath the former building in the southern degreasing area. The eastern portion of the TCE-affected groundwater is likely the result of migration due to groundwater flow.

There also appear to be two other monitoring wells with elevated TCE concentrations that may be indicative of a potential source area - MW-17R in the northern portion of the former building and OP-7 near the former impoundment and the former channel. The elevated TCE concentrations in MW-17R could be associated with the degreasing operations that occurred in this area. The elevated TCE concentrations near OP-7 could be related to wastewater discharged into the former impoundment. These two source areas appear to be limited in extent as indicated by TCE concentrations in adjacent monitoring wells.

The groundwater analytical results indicate the presence of TCE and its daughter products, confirm that natural processes are degrading the chlorinated hydrocarbons under reducing conditions in some portions of the Site. Cis-1,2-DCE is present in the same area in which TCE was detected with the exception of the western property boundary. The lack of cis-1,2-DCE indicates that dechlorination of TCE is not occurring in this area and may be limited due to other geochemical parameters, such as available natural organic carbon.

Vinyl chloride was detected in the same areas in which TCE and cis-1,2-DCE were detected, and is similar to cis-1,2-DCE in groundwater distribution in that it was not detected along the western property boundary. The area of vinyl chloride exceedance extends to the east beyond the extent of the TCE groundwater distribution into the AOC. In the AOC, TCE and cis-1,2-DCE are present at low concentrations; vinyl chloride is the only daughter product that exceeds the ES. This suggests that chlorinated hydrocarbons were present in this area either from past operation of the former impoundment or from the materials placed in the AOC and have been degraded to vinyl chloride. The conditions in and beneath the AOC likely represent mildly anaerobic conditions due to the degradation of the chlorinated hydrocarbons. Vinyl chloride likely persists because it is more favorably degraded under strongly reducing or aerobic conditions.

In the former maintenance area, 1,1,1-TCA was detected at concentrations exceeding the ES. The extent appears to be very limited. The presence of 1,1-DCA indicates that dechlorination of 1,1,1-TCA is occurring in this area.

1,1-DCA is also present in the southern degreasing area within the former building. Since the primary chlorinated hydrocarbon in this area is TCE, it is likely that this constituent represents a breakdown product of the degradation of TCE.

Recovery Well and Observation Point Comparison

The chlorinated hydrocarbon concentrations in recovery wells and observation points adjacent to each other were compared to determine compliance along Honey Creek. The concentrations of the observation points were also compared with concentrations in other monitoring wells to determine if the concentrations were consistent with those detected in the monitoring wells. The results of the comparison between the recovery well and observation points indicate that the recovery wells generally have higher concentrations than the observation points. This is consistent with the recovery wells being a point of treatment in which chlorinated hydrocarbons are drawn to and extracted from the recovery wells. Table 4 provides a comparison of the recovery well and observation point concentrations. This comparison with other monitoring wells shows that the observation points have groundwater concentrations more consistent with other monitoring well concentrations than with the recovery well concentrations.

Based on this comparison, EnPro Holdings is requesting that the observation points be utilized and sampled as points of compliance for evaluation of the remediation of the Site instead of the recovery wells. If this request is approved by WDNR, the recovery well groundwater sampling will be discontinued for compliance purposes and the observation point sampling will be added to the annual sampling event to monitor groundwater compliance.

Other Observations

- The groundwater samples collected from the wells south of Honey Creek (MW-25, MW-27, and MW-29) did not have detections of chlorinated hydrocarbons. The continued absence of chlorinated hydrocarbons in these wells confirms that Honey Creek represents a hydraulic barrier to the migration of contaminants beneath and south of Honey Creek.
- Ethene was detected in MW-12, MW-15, MW-17R, MW-19, OP-2, OP-3, and OP-9. These monitoring wells are located in the AOC (MW-12, MW-15, and OP-9), in the northern portion of the former building (MW-17R), and downgradient along Honey Creek (OP-2, OP-3, and MW-19). The presence of the dissolved gas ethene in the groundwater samples suggests that geochemical conditions of the shallow aquifer in certain areas of the Site are favorable for dechlorination and that the dechlorination process is proceeding to completion, as ethene represents one of the final dissolved gases in the degradation process. The completion of the dechlorination process may be limited by other geochemical factors that can be readily enhanced to increase the rate of natural attenuation. The production of ethene can also be eliminated if TCE, cis-1,2-DCE, and vinyl chloride are degraded at approximately the same rate and vinyl chloride does not accumulate. The monitoring wells that did not detect ethene represent many areas of the Site where the degradation is not proceeding to completion.

Field Parameter and Geochemical Results

The field parameter measurements provide an indication of groundwater geochemical conditions that exist at the Site. The chlorinated hydrocarbons present in groundwater can degrade through natural processes by serving as an electron donor or acceptor, if favorable groundwater conditions exist and persist. In general, chlorinated hydrocarbons are

degraded most efficiently under anaerobic, reducing conditions. The field parameter that provides an indication of anaerobic, reducing conditions is the ORP. An ORP measurement of 50 mV indicates that the reductive dechlorination pathway is possible. A measurement of -100 mV or less indicates that reductive dechlorination pathway is likely. Figure 5 represents a graphic representation of the ORP measurement distribution at the Site from the June 2019 groundwater sampling event and shows the areas where the reductive dechlorination pathway is possible and the area in which the reductive dechlorination pathway is likely. Based on the ORP measurements, the reductive dechlorination pathway is possible or likely in the areas in which chlorinated hydrocarbons are present at concentrations that exceed the ES. The reductive dechlorination pathway may be effective outside of these areas, but likely will require the introduction of an in-situ amendment to create the conditions to increase its effectiveness.

The electron acceptors are used in the following order as the groundwater conditions become more anaerobic and reducing in nature: dissolved oxygen, nitrate, ferrous iron (Fe^{2+}), sulfate, and methane.

To evaluate the reductive dechlorination pathway at the Site, groundwater samples were collected from select wells across the Site and analyzed for the electron acceptors nitrate, iron, sulfate, and TOC. The optimal range for each of these electron acceptors is shown in the table below. This range provides an evaluation of the possibility of the reductive dechlorination pathway representing an effective remediation tool and an indication of the limiting factors. For the evaluation of the reductive dechlorination pathway, it is not expected that the analytical results will indicate the pathway is possible for each electron acceptor. The evaluation is based on the overall indication of the geochemical parameters.

Electron Acceptor	Optimal Concentration
DO	<0.5 mg/L
Nitrate	<1 mg/L
Ferrous Iron (Fe^{2+})	>1 mg/L
Sulfate	<20 mg/L
TOC	>20 mg/L

Note:
mg/L = milligrams per liter.

DO was measured during well purging. These measurements are not precise, but provide an indication of the areas in which groundwater DO concentrations are lowered. For the June 2019 sampling event, DO measurements in the monitoring wells within the former building indicated limited areas in which the concentration was < 0.5 mg/L. In the AOC, the DO concentration was <0.5 mg/L in most of the wells.

Nitrate concentrations across the Site were <1 mg/L in all but two of the monitoring wells sampled. The two wells that exceeded 1 mg/L were MW-11, which is upgradient of the Site, and MW-29, which is on the south side of Honey Creek. Based on the nitrate sample results, it appears that nitrate concentrations meet the optimal concentration for reductive dechlorination across the Site.

Dissolved iron (Fe^{2+}) concentrations were >1 mg/L in four monitoring wells in the AOC but did not exceed 1 mg/L in the monitoring wells within the former building. The dissolved iron within the AOC indicates the reductive dechlorination pathway is possible.

Sulfate concentrations measured were <20 mg/L in both the AOC and within the former building. The reduced sulfate concentrations are an indication that the reductive dechlorination pathway may be possible.

TOC concentrations across the Site were <20 mg/L. TOC is an important factor in reducing DO and stimulating the reductive dechlorination process. The lack of organic carbon is an indication that TOC may be a limiting factor in the reductive dechlorination process and that an amendment may be needed to increase the TOC to optimal levels.

Overall, the electron acceptors indicate that the reductive dechlorination pathway may be possible across the Site and, with amendment, can be increased to facilitate the geochemical conditions necessary for complete degradation of the chlorinated hydrocarbons.

CONCLUSIONS

Based on the results of the groundwater sampling performed in June 2019, a summary of the groundwater conditions at the Site are presented below:

- The horizontal direction of groundwater flow across the Site is south toward Honey Creek at an average horizontal hydraulic gradient of 0.019 ft/ft. The hydraulic gradient near Honey Creek increases due to the operation of the GETS wells along the Creek and the significantly lower elevation of the Creek.
- Chlorinated hydrocarbons were detected above the ESs in two areas of the Site: one area on the northern portion of the Site along Church Street and one area along Honey Creek from Highway 120 to the east.
- The total TCE-equivalent mass dissolved in the groundwater in June 2019 represents approximately 48.61 pounds of TCE, or approximately 4 gallons of TCE.
- Chlorinated hydrocarbons detected in the groundwater included TCE; cis-1,2-DCE; vinyl chloride; PCE; 1,1,1-TCA; 1,1,2-TCA; 1,1-DCA; and 1,1-DCE. TCE, PCE, 1,1,1-TCA, and 1,1-DCE were detected in exceedance of the ES. TCE was detected at a concentration exceeding the ES in the monitoring wells in which the other chlorinated hydrocarbons were detected.
- The distribution of daughter products in the area of TCE-affected groundwater indicates that the chlorinated hydrocarbons are degrading under natural conditions. However, degradation is not occurring in all areas of the Site and can be enhanced in all areas to increase the rate of degradation.
- The electron receptor analytical results and the field indicator parameters (DO and ORP) indicate that the reductive dechlorination pathway may be possible across the Site, including the area in which chlorinated hydrocarbons were detected in exceedance of ESs.
- TOC concentrations measured in groundwater indicate that dissolved organic carbon may represent a limiting factor in the reductive dichlorination of TCE, as organic carbon was reduced and can serve as an electron donor. The organic carbon concentration in groundwater can be amended to create favorable conditions for the reductive dichlorination of TCE to completion.
- A comparison of the recovery wells and observation point concentrations indicates that the recovery wells generally have higher concentrations than the observation points. The observation point concentrations are consistent with the other monitoring well concentrations. Therefore, EnPro Holdings proposes to discontinue sampling the recovery wells for compliance monitoring and include the observation points in the groundwater compliance monitoring well network.
- A comprehensive evaluation of the VOC results and electron donor and acceptors indicates that reductive dechlorination can be an effective remediation tool to address the TCE-affected groundwater at this Site. In order to drive the reductive dechlorination process, an amendment will be necessary to provide a carbon source. This carbon source can be injected and distributed through the groundwater in a limited area and monitored for effectiveness through reducing chlorinated hydrocarbon concentrations and evaluation of geochemical indicator parameters.

NEXT STEPS

Based on the groundwater sampling performed in June 2019, the following activities are anticipated to be completed by GZA in 2019:

- Prepare and submit an Injection Pilot Test Workplan to the WDNR for review and approval. This plan will include the details regarding the injection of an amendment, including the area of injection, number of points, volume of amendment, and post-injection monitoring;

- Prepare and submit a NR 140 variance and WPDES permit request associated with the amendment injection; and
- Continue the operation and maintenance of the GETS to maintain hydraulic control of affected groundwater.

If you have any questions regarding this information, please contact Mr. Hedinger at (262) 754-2578 or by email at kevin.hedinger@gza.com.

Sincerely,

GZA GeoEnvironmental, Inc.

Kevin M. Hedinger
Senior Hydrogeologist

James F. Drought, P.H.
Principal Hydrogeologist

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Attachments: Tables 1 through 4
Figures 1 through 5
Limitations
WDNR Soil Boring, Well Completion, and Well Development Forms
Laboratory Analytical Reports and Chain-of-Custody Forms
TCE-Equivalent Mass Calculations

cc: Benne Hutson, EnPro Industries, Inc.
Phillip Bower, Husch Blackwell LLP

TABLES

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
JUNE 2019 GROUNDWATER SAMPLING EVENT
Former Trent Tube Plant No. 1
East Troy, Wisconsin

WELL ID	NORTH	EAST	DATE	GROUND SURFACE ELEVATION* (ft amsl)	TOC ELEVATION (ft)*	DEPTH TO WATER (ft)	DEPTH TO BOTTOM (ft)	GROUNDWATER ELEVATION (ft)
MW-1R	15542906.13	1263470.32	6/14/2019	837.88	839.95	13.00	NM	826.95
MW-2	15542801.87	1263478.62	6/14/2019	834.15	836.8	10.69	NM	826.11
MW-4	15542726.05	1263625.68	6/14/2019	837.14	838.97	11.86	NM	827.11
MW-4A	15542725.49	1263620.23	6/14/2019	837.13	838.76	13.04	NM	825.72
MW-6	15542878	1264075.32	6/14/2019	831.60	833.21	11.63	NM	821.58
MW-6A	15542883.34	1264077.55	6/14/2019	830.99	833.29	14.00	NM	819.29
MW-7R	15542916.44	1264282.04	6/14/2019	821.97	824.44	5.99	NM	818.45
MW-8	15543070.53	1264621.8	6/14/2019	819.26	821.61	2.98	NM	818.63
MW-11	15543255.49	1263495.29	6/14/2019	844.61	844.33	10.72	NM	833.61
MW-12	15543080.14	1264204.76	6/14/2019	837.68	839.27	12.28	NM	826.99
MW-13R			6/14/2019	835.84	838.34	12.45	20.49	825.89
MW-15	15543133.19	1264382.74	6/14/2019	830.24	832.63	11.16	NM	821.47
MW-16	15542813.05	1263725.11	6/14/2019	837.29	839.39	10.90	NM	828.49
MW-17R	15543077.88	1263725.29	6/14/2019	836.96	839.24	6.18	NM	833.06
MW-18R			6/14/2019	837.10	839.76	10.00	22.48	829.76
MW-19	15542879.48	1264308	6/14/2019	818.85	822.59	3.66	NM	818.93
MW-20	15543135.67	1264489.58	6/14/2019	821.53	823.72	5.01	NM	818.71
MW-21	15543165.55	1263574.61	6/14/2019	837.16	840.18	6.96	NM	833.22
MW-25	15542680.62	1264216.31	6/14/2019	821.17	823.63	5.95	NM	817.68
MW-27	15542574.43	1263906.19	6/14/2019	824.54	827.52	4.21	NM	823.31
MW-29	15542434.19	1264197.84	6/14/2019	825.61	828.91	6.91	NM	822.00
MW-37R	15543007.42	1263758.84	6/14/2019	837.36	839.41	7.22	NM	832.19
MW-38			6/14/2019	836.40	839.15	10.09	19.3	829.06
MW-39			6/14/2019	837.29	840.45	12.43	22.05	828.02
MW-40			6/14/2019	837.44	840.35	12.33	20.4	828.02
MW-41			6/14/2019	836.73	839.48	11.99	22.1	827.49
MW-42			6/14/2019	837.20	839.70	11.39	22.3	828.31
OP-1	15542633.18	1263691.13	6/14/2019	836.11	839.55	18.71	NM	820.84
OP-2	15542625.55	1263776.69	6/14/2019	833.95	836.69	15.55	NM	821.14
OP-3	15542699.53	1263909.48	6/14/2019	830.64	831.29	13.47	NM	817.82
OP-4	15542785.53	1263994.22	6/14/2019	833.20	836.07	13.21	NM	822.86
OP-5	15542846.59	1264039.62	6/14/2019	831.63	833.12	12.16	NM	820.96
OP-6	15542893.41	1264104.47	6/14/2019	829.77	830.78	12.66	NM	818.12
OP-7	15542912.61	1264148.53	6/14/2019	828.89	831.71	13.65	NM	818.06
OP-8	15542953.34	1264218.41	6/14/2019	828.90	830.3	13.22	NM	817.03
OP-9	15542998.67	1264155.38	6/14/2019	836.39	838.54	10.95	NM	827.59
OP-10	15542992.63	1264259.81	6/14/2019	830.07	832.72	7.25	NM	825.47
OP-11	15543080.84	1264288.41	6/14/2019	837.06	839.17	13.26	NM	825.91
OP-12	15542764.43	1263551.17	6/14/2019	837.59	840.09	13.49	NM	826.60
OP-13	15542744.2	1263587.13	6/14/2019	837.49	839.93	13.22	NM	826.71
OP-14	15542735.68	1263504.52	6/14/2019	837.15	837.86	11.20	NM	826.66
OP-15	15542687.38	1263580.52	6/14/2019	834.19	838.5	14.91	NM	823.59
OP-16	15542663.71	1263625.78	6/14/2019	834.78	837.99	17.41	NM	820.58
PZ-1	15542756.38	1263532.1	6/14/2019	837.40	839.76	14.72	NM	825.04
RW-1	15542613.96	1263737.38	6/14/2019	833.9	831.94	20.19	NM	811.75
RW-2	15542622.55	1263820.08	6/14/2019	829.60	829.3	9.50	NM	819.80
RW-3	15542685.66	1263894.9	6/14/2019	831.02	830.35	8.85	NM	821.50
RW-4	15542749.5	1263963.45	6/14/2019	831.46	830.4	10.08	NM	820.32
RW-5	15542814.54	1264018.24	6/14/2019	831.89	830.34	9.21	NM	821.13

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
JUNE 2019 GROUNDWATER SAMPLING EVENT
Former Trent Tube Plant No. 1
East Troy, Wisconsin

WELL ID	NORTH	EAST	DATE	GROUND SURFACE ELEVATION* (ft amsl)	TOC ELEVATION (ft)*	DEPTH TO WATER (ft)	DEPTH TO BOTTOM (ft)	GROUNDWATER ELEVATION (ft)
RW-6	15542870.06	1264065.19	6/14/2019	831.32	829.65	15.00	NM	814.65
RW-7	15542928.16	1264190.89	6/14/2019	830.2	827.94	11.06	NM	816.88
RW-8	15542856.48	1263754.59	6/14/2019	836.8	840.48	11.78	NM	828.70
RW-10	15542981.9	1264244.26	6/14/2019	829.50	828.79	16.62	NM	812.17
RW-11	15543006.66	1264286.02	6/14/2019	829.24	828.09	16.12	NM	811.97
RW-12	15543038.71	1264324.08	6/14/2019	829.34	827.86	14.32	NM	813.54
RW-13	15543070.03	1264362.09	6/14/2019	831.47	830.23	15.44	NM	814.79
RW-14	15543115.58	1264385.87	6/14/2019	830.57	829.3	15.12	NM	814.18
RW-15	15543164.67	1264401.63	6/14/2019	829.07	827.8	5.31	NM	822.49
RW-16	15542734.17	1263483.14	6/14/2019	834.71	833.66	20.64	NM	813.02
RW-17	15542724.04	1263517.79	6/14/2019	835.60	834.54	20.64	NM	813.90
RW-18	15542699.5	1263558.73	6/14/2019	835.37	834.55	20.64	NM	813.91
RW-19	15542675.53	1263599.68	6/14/2019	835.73	834.7	18.82	NM	815.88
RW-20	15542648.37	1263644.56	6/14/2019	834.59	833.98	20.64	NM	813.34
RW-21	15542624.24	1263691.09	6/14/2019	834.30	833.28	16.16	NM	817.12
RW-22	15542624.98	1263781.63	6/14/2019	833.67	832.45	17.83	NM	814.62
RW-23	15542653.88	1263857.69	6/14/2019	830.46	830.04	16.53	NM	813.51
RW-24	15542716.64	1263929.54	6/14/2019	831.12	830.48	11.94	NM	818.54
RW-25	15542795.12	1263995.9	6/14/2019	832.77	831.12	9.81	NM	821.31
RW-26	15542893.12	1264098.59	6/14/2019	829.75	829.3	13.62	NM	815.68
RW-27	15542908.15	1264144.97	6/14/2019	827.3	826.95	13.71	NM	813.24

Notes:

1. NM - Not measured.
2. TOC - Top of casing.
3. Data from 1995 to 2006, obtained from Final Remedial Closure Plan, dated July 1999, and annual groundwater reports.
4. Data from 2007 to May 19, 2015, obtained from Avantti Environmental Group's 2015 Remediation Site Operation, Maintenance, Monitoring & Optimization Report, dated January 8, 2016.
5. Data for November 4, 2016, obtained from 2016 Semi-Annual Groundwater Sampling Letter Report, dated January 15, 2017.
6. Data for November 15, 2017, obtained from RJR 2017 Semi-Annual Groundwater Sampling Letter Report, dated January 8, 2018.
7. Data for June 15, 2018, obtained from RJR 2018 Remediation Site Operation, Maintenance & Optimization Report, dated October 15, 2018.
8. Landtech survey completed on November 16, 2017.
9. Water level elevations from November 15, 2017 to the present used Landtech survey Walworth County Zone NAD 83.

TABLE 2
SUMMARY OF FIELD PARAMETERS - MONITORING WELLS
JUNE 2019 GROUNDWATER SAMPLING EVENT
Former Trent Tube Plant No. 1
East Troy, Wisconsin

Well ID	Date	Depth to Water (ft btoc)	Depth to Bottom (ft btoc)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Conductivity (µS/cm)	Temperature (°C)	pH (s.u.)
MW-1R	6/19/2019	13.1	25.06	0.3	60.1	1408	11.81	7.42
MW-2	6/19/2019	10.7	13.96	2.89	69.1	817	10.74	7.47
MW-4	6/19/2019	12.05	22.1	4.18	100.1	424	11.73	7.29
MW-4A	6/19/2019	13.25	51.2	2.26	76.7	394	12.26	7.66
MW-6	6/21/2019	11.92	19.83	3.02	5.4	1110	11.88	7.17
MW-6A	6/21/2019	13.89	35.24	0.22	-100	589	11.29	8.07
MW-7R	6/18/2019	6.72	13.78	0.35	-103.4	1116	12.26	7.21
MW-8	6/18/2019	3.46	6.72	1	-11.6	967	13.86	7.3
MW-11	6/19/2019	10.85	18.6	1.28	115.6	518	10.82	7.28
MW-12	6/18/2019	12.55	20.64	0.71	-97.9	1201	10.97	7.09
MW-13R	6/17/2019	12.66	20.49	3.57	-25.9	1115	11.13	6.99
MW-15	6/18/2019	11.47	18.95	0.8	37.5	1290	10.65	6.97
MW-16	6/18/2019	11.08	26.5	1.88	127.1	642	13.08	6.82
MW-17R	6/18/2019	6.42	19.2	0.05	-214.7	789	14.18	11
MW-18R	6/18/2019	10.18	22.4	1.14	-189.4	588	12.69	7.2
MW-19	6/19/2019	4.73	10.38	0.71	-120.5	975	12.95	7.37
MW-20	6/18/2019	5.46	11.56	0.31	23.7	876	12.92	7.08
MW-21	6/19/2019	7.15	17.6	0.96	100.1	1016	16.03	7.12
MW-25	6/19/2019	5.95	14.92	0.64	-55.9	1145	11.63	7.26
MW-27	6/19/2019	4.29	14.05	0.49	-49.5	2137	10.86	7.23
MW-29	6/19/2019	6.91	14.91	3.98	49.4	1247	11.73	7.3
MW37R	6/18/2019	7.38	20.7	1.05	166.1	297	14.05	7.46
MW-38	6/19/2019	10.25	19.3	4.77	81.2	590	13.21	7.64
MW-39	6/18/2019	12.73	22.05	2.39	-184.4	526	14.09	7.36
MW-40	6/18/2019	12.48	20.4	1.87	202.1	677	12.45	6.74
MW-41	6/19/2019	12.75	22.1	6.49	29.7	410	12.04	7.45
MW-42	6/19/2019	11.78	22.3	2.26	26.1	555	12.08	7.38
OP-1	6/21/2019	18.78	24.3	0.54	119.5	656	11.45	6.9
OP-2	6/21/2019	16.1	22.6	1.91	120.7	716	11.61	6.7
OP-3	6/21/2019	14.19	19.45	8.85	123.7	510	12.16	7.16
OP-4	6/21/2019	13.81	19.65	1.5	50.3	762	11.6	7.26
OP-5	6/21/2019	12.38	17.92	3.93	58.1	847	11.55	7.25
OP-8	6/20/2019	12.35	20.21	1.04	45.6	1349	10.14	7.14
OP-9	6/17/2019	11.2	23.3	0.42	-58.6	1562	10.83	6.83
OP-10	6/20/2019	7.4	19.6	0.72	-80.1	1117	11.87	7.28
OP-11	6/18/2019	13.45	24.86	0.25	-174.7	1267	11.49	7.72
OP-14	6/20/2019	12.02	21.95	4.56	109.4	668	11.28	7
OP-15	6/20/2019	15.22	24.5	0.36	133.4	678	12.21	6.9
OP-16	6/20/2019	17.42	24.45	0.17	-37.6	684	12.41	6.97

Notes:

1. btoc - below top of casing.
2. mg/L - millgrams per liter.
3. mV - millivolts.
4. µS/cm - milliSiemens per centimeter.
5. s.u. - Standard Units

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY
JUNE 2019 GROUNDWATER SAMPLING EVENT
Former Trent Tube Plant No. 1
East Troy, Wisconsin

Well Number	Date	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Benzene	Chloroethane	Methylene Chloride	Naphthalene	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride	cis-1,2-Dichloroethene	o-Xylene	trans-1,2-Dichloroethene	Ethane	Ethene	Iron, dissolved	Manganese, dissolved	Nitrate as N (mg/L)	Sulfate (mg/L)	Alkalinity, total (as CaCO3)	Total Organic Carbon (mg/L)
Preventive Action Limit		40	0.5	85	0.7	0.5	0.5	80	0.5	10	0.5	160	0.5	0.02	7	400	20								
Enforcement Standard		200	5	850	7	5	5	400	5	100	5	800	5	0.2	70	2,000	100								
MW-01R	6/19/2019	0.76 J	< 0.55 U	3.3	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	1.3	< 0.17 U	< 0.26 U	< 0.17 U	< 0.27 U	< 0.26 U	< 1.1 U	< 0.58 U	< 0.52 U	< 35.4 U	32.6	0.093 J	514	269	NA
MW-02	6/19/2019	< 24.5 U	< 55.2 U	< 27.3 U	< 24.5 U	< 28.0 U	< 24.6 U	< 134 U	< 58.1 U	< 118 U	< 32.6 U	< 17.2 U	**16400**	< 17.5 U	< 27.1 U	< 26.2 U	< 109 U	< 0.58 U	< 0.52 U	< 35.4 U	< 1.1 U	0.14 J	90.1	304	3
MW-04	6/19/2019	3.2	< 1.4 U	< 0.68 U	< 0.61 U	< 0.70 U	< 0.62 U	< 3.4 U	< 1.5 U	< 2.9 U	2.9	< 0.43 U	**112**	< 0.44 U	1.8 J	< 0.65 U	< 2.7 U	< 0.58 U	< 0.52 U	< 35.4 U	< 1.1 U	< 0.075 U	40.9	252	NA
MW-04A	6/19/2019	< 0.24 U	< 0.55 U	< 0.27 U	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	2.3	< 0.17 U	0.46 J	< 0.17 U	< 0.27 U	< 0.26 U	< 1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
MW-06	6/21/2019	< 1.2 U	< 2.8 U	2.0 J	< 1.2 U	< 1.4 U	< 1.2 U	< 6.7 U	< 2.9 U	< 5.9 U	< 1.6 U	< 0.86 U	**42.5**	**46.2**	**458**	< 1.3 U	< 5.5 U	NA	NA	NA	NA	NA	NA	NA	NA
MW-06A	6/21/2019	< 0.24 U	< 0.55 U	< 0.27 U	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	1.6	< 0.17 U	< 0.26 U	< 0.17 U	< 0.27 U	< 0.26 U	< 1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
MW-07R	6/18/2019	< 0.24 U	< 0.55 U	1.1	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	< 0.33 U	< 0.17 U	0.41 J	**0.69 J**	1.5	< 0.26 U	< 1.1 U	1.8 J	< 0.52 U	10300	689	< 0.38 U	52.2	570	6.7
MW-08	6/18/2019	< 0.24 U	< 0.55 U	< 0.27 U	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	0.55 J	< 0.17 U	< 0.26 U	< 0.17 U	< 0.27 U	< 0.26 U	< 1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
MW-11	6/19/2019	< 0.24 U	< 0.55 U	< 0.27 U	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	0.70 J	< 0.17 U	< 0.26 U	< 0.17 U	< 0.27 U	< 0.26 U	< 1.1 U	< 0.58 U	< 0.52 U	< 35.4 U	42	2.3	14.9 J	286	1.9
MW-12	6/18/2019	< 0.24 U	< 0.55 U	< 0.27 U	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	0.63 J	< 0.17 U	< 0.26 U	**0.34 J**	< 0.27 U	< 0.26 U	< 1.1 U	15.4	1.4 J	18200	131	< 0.38 U	< 5.0 U	540	NA
MW-13R	6/18/2019	< 0.24 U	< 0.55 U	1.8	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	1.4	< 0.17 U	0.37 J	**10.8**	4.2	< 0.26 U	1.3 J	NA	NA	NA	NA	NA	NA	NA	NA
MW-15	6/18/2019	32.4	< 0.55 U	19.6	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	0.73 J	< 0.17 U	1.9	**0.33 J**	1.7	< 0.26 U	< 1.1 U	< 0.58 U	1.3 J	< 35.4 U	6.2	< 0.075 U	107	722	NA
MW-16	6/18/2019	**953**	< 11.0 U	80.1	**9.0 J**	< 5.6 U	< 4.9 U	< 26.8 U	< 11.6 U	< 23.5 U	< 6.5 U	< 3.4 U	**38.6**	< 3.5 U	**177**	< 5.2 U	< 21.8 U	< 0.58 U	< 0.52 U	281	42.4	< 0.38 U	45.1	426	3
MW-17R	6/18/2019	< 2.4 U	< 5.5 U	< 2.7 U	< 2.4 U	< 2.8 U	< 2.5 U	< 13.4 U	< 5.8 U	< 11.8 U	< 3.3 U	< 1.7 U	**412**	**16.2**	**253**	< 2.6 U	13.4 J	< 0.58 U	0.97 J	< 35.4 U	< 1.1 U	< 0.075 U	169	156	NA
MW-18R	6/18/2019	< 4.9 U	< 11.0 U	6.7 J	**10.2 J**	< 5.6 U	< 4.9 U	< 26.8 U	< 11.6 U	< 23.5 U	< 6.5 U	< 3.4 U	**5150**	**33.8**	**2390**	< 5.2 U	23.0 J	NA	NA	NA	NA	NA	NA	NA	NA
MW-19	6/19/2019	< 0.24 U	< 0.55 U	0.66 J	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	0.60 J	< 0.17 U	< 0.26 U	**10.3**	1.5	< 0.26 U	< 1.1 U	3.5 J	3.2 J	10500	950	< 0.38 U	< 5.0 U	560	NA
MW-20	6/18/2019	< 0.24 U	< 0.55 U	< 0.27 U	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	0.43 J	< 0.17 U	< 0.26 U	< 0.17 U	0.32 J	< 0.26 U	< 1.1 U	< 0.58 U	< 0.52 U	409	914	< 0.075 U	35.1	482	NA
MW-21	6/19/2019	0.85 J	< 0.55 U	< 0.27 U	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	0.65 J	< 0.17 U	< 0.26 U	< 0.17 U	< 0.27 U	< 0.26 U	< 1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
MW-25	6/19/2019	< 0.24 U	< 0.55 U	< 0.27 U	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	0.47 J	< 0.17 U	< 0.26 U	< 0.17 U	< 0.27 U	< 0.26 U	< 1.1 U	< 0.58 U	< 0.52 U	1990	104	< 0.075 U	159	435	NA
MW-27	6/19/2019	< 0.24 U	< 0.55 U	< 0.27 U	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	0.63 J	< 0.17 U	< 0.26 U	**0.20 J**	0.42 J	< 0.26 U	< 1.1 U	< 0.58 U	< 0.52 U	2870	835	< 0.38 U	< 5.0 U	488	NA
MW-29	6/19/2019	< 0.24 U	< 0.55 U	< 0.27 U	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	0.58 J	< 0.17 U	< 0.26 U	< 0.17 U	< 0.27 U	< 0.26 U	< 1.1 U	< 0.58 U	< 0.52 U	< 35.4 U	14.1	5.1	448	280	NA
MW-37R	6/18/2019	< 0.24 U	< 0.55 U	< 0.27 U	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	0.65 J	< 0.17 U	1.8	< 0.17 U	< 0.27 U	< 0.26 U	< 1.1 U	< 0.58 U	< 0.52 U	< 35.4 U	< 1.1 U	< 0.075 U	13	178	NA
MW-38	6/19/2019	0.25 J	< 0.55 U	< 0.27 U	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	0.43 J	< 0.17 U	< 0.26 U	< 0.17 U	< 0.27 U	< 0.26 U	< 1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
MW-39	6/18/2019	120	< 5.5 U	45.2	**33.4**	< 2.8 U	< 2.5 U	< 13.4 U	< 5.8 U	< 11.8 U	< 3.3 U	< 1.7 U	**839**	**3.1 J**	**200**	< 2.6 U	31.3 J	NA	NA	NA	NA	NA	NA	NA	NA
MW-40	6/18/2019	**8410**	4.7 J	528	**170**	< 1.1 U	< 0.99 U	< 5.4 U	< 2.3 U	< 4.7 U	3.2 J	< 0.69 U	**248**	**0.90 J**	**508**	< 1.0 U	< 4.4 U	NA	NA	NA	NA	NA	NA	NA	NA
MW-41	6/19/2019	1.9	< 0.55 U	0.64 J	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	1.5	< 0.17 U	**27.7**	< 0.17 U	0.39 J	< 0.26 U	< 1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
MW-42	6/19/2019	< 24.5 U	< 55.2 U	< 27.3 U	< 24.5 U	< 28.0 U	< 24.6 U	< 134 U	< 58.1 U	< 118 U	< 32.6 U	< 17.2 U	**5180**	< 17.5 U	< 27.1 U	< 26.2 U	< 109 U	NA	NA	NA	NA	NA	NA	NA	NA
OP-01	6/21/2019	166	< 5.5 U	18.9	4.1 J	< 2.8 U	< 2.5 U	< 13.4 U	< 5.8 U	< 11.8 U	< 3.3 U	< 1.7 U	**515**	< 1.7 U	**201**	< 2.6 U	< 10.9 U	NA	NA	NA	NA	NA	NA	NA	NA
OP-02	6/21/2019	**485**	< 1.1 U	95.2	3.9	< 0.56 U	< 0.49 U	< 2.7 U	< 1.2 U	< 2.4 U	< 0.65 U	< 0.34 U	**127**	**3.7**	**151**	< 0.52 U	< 2.2 U	1.7 J	0.83 J	357	489	< 0.38 U	82.2	458	NA
OP-03	6/21/2019	188	< 0.55 U	58.5	**30.5**	< 0.28 U	< 0.25 U	2.8 J	< 0.58 U	< 1.2 U	0.54 J	< 0.17 U	**77.8**	**4.9**	**130**	< 0.26 U	1.1 J	0.96 J	0.66 J	< 35.4 U	71.7	< 0.075 U	38.6	371	2
OP-04	6/21/2019	186	< 1.1 U	28.2	**14.3**	< 0.56 U	< 0.49 U	< 2.7 U	< 1.2 U	< 2.4 U	1.4 J	< 0.34 U	**175**	< 0.35 U	47.4	< 0.52 U	< 2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
OP-05	6/21/2019	< 2.4 U	< 5.5 U	6.6 J	3.7 J	< 2.8 U	< 2.5 U	< 13.4 U	< 5.8 U	< 11.8 U	< 3.3 U	< 1.7 U	**476**	**44.8**	**607**	< 2.6 U	< 10.9 U	NA	NA	NA	NA	NA	NA	NA	NA
OP-07	6/20/2019	3.1 J	< 5.5 U	2.9 J	5.9 J	< 2.8 U	< 2.5 U	< 13.4 U	< 5.8 U	< 11.8 U	3.8 J	< 1.7 U	**646**	**4.5 J**	**904**	< 2.6 U	< 10.9 U	NA	NA	NA	NA	NA	NA	NA	NA
OP-08	6/20/2019	< 0.24 U	< 0.55 U	1.1	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	0.95 J	< 0.17 U	2.7	**1.3**	2.9	< 0.26 U	< 1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
OP-09	6/18/2019	< 0.24 U	< 0.55 U	0.73 J	0.93 J	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	2	< 0.17 U	3	**36.4**	16.5	< 0.26 U	9.4	2.9 J	2.8 J	7020	**2260**	< 0.075 U	500	490	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY
JUNE 2019 GROUNDWATER SAMPLING EVENT
Former Trent Tube Plant No. 1
East Troy, Wisconsin

Well Number	Date	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Benzene	Chloroethane	Methylene Chloride	Naphthalene	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride	cis-1,2-Dichloroethene	o-Xylene	trans-1,2-Dichloroethene	Ethane	Ethene	Iron, dissolved	Manganese, dissolved	Nitrate as N (mg/L)	Sulfate (mg/L)	Alkalinity, total (as CaCO3)	Total Organic Carbon (mg/L)
Preventive Action Limit		40	0.5	85	0.7	0.5	0.5	80	0.5	10	0.5	160	0.5	0.02	7	400	20								
Enforcement Standard		200	5	850	7	5	5	400	5	100	5	800	5	0.2	70	2,000	100								
OP-10	6/20/2019	0.79 J	< 0.55 U	4.5	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	0.75 J	< 0.17 U	**8.6**	**13.6**	9.6	< 0.26 U	< 1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
OP-11	6/18/2019	< 0.24 U	< 0.55 U	1.2	< 0.24 U	< 0.28 U	0.46 J	< 1.3 U	< 0.58 U	< 1.2 U	0.99 J	< 0.17 U	< 0.26 U	**52.8**	2	< 0.26 U	< 1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
OP-14	6/20/2019	2.9 J	< 5.5 U	< 2.7 U	< 2.4 U	< 2.8 U	< 2.5 U	< 13.4 U	< 5.8 U	< 11.8 U	**13.3**	< 1.7 U	**473**	< 1.7 U	16.4	< 2.6 U	< 10.9 U	NA	NA	NA	NA	NA	NA	NA	NA
OP-15	6/20/2019	62.1	< 1.4 U	6.6	1.9 J	< 0.70 U	< 0.62 U	< 3.4 U	< 1.5 U	< 2.9 U	**27.8**	< 0.43 U	**282**	**0.48 J**	**94**	< 0.65 U	< 2.7 U	NA	NA	NA	NA	NA	NA	NA	NA
OP-16	6/20/2019	7	< 1.1 U	26.2	0.99 J	< 0.56 U	< 0.49 U	< 2.7 U	< 1.2 U	< 2.4 U	< 0.65 U	< 0.34 U	**43.8**	**106**	**145**	1.2 J	< 2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-01	6/21/2019	142	< 0.55 U	9.8	2	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	< 0.33 U	< 0.17 U	**39.8**	**0.63 J**	52.8	< 0.26 U	< 1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-02	6/21/2019	**258**	< 5.5 U	24	3.2 J	< 2.8 U	< 2.5 U	< 13.4 U	< 5.8 U	< 11.8 U	< 3.3 U	< 1.7 U	**404**	**2.0 J**	**149**	< 2.6 U	< 10.9 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-03	6/21/2019	**217**	< 55.2 U	42.9 J	< 24.5 U	< 28.0 U	< 24.6 U	< 134 U	< 58.1 U	< 118 U	< 32.6 U	< 17.2 U	**350**	**176**	**7800**	< 26.2 U	< 109 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-04	6/21/2019	164	< 1.1 U	31.2	**7.5**	< 0.56 U	< 0.49 U	< 2.7 U	< 1.2 U	< 2.4 U	1.3 J	< 0.34 U	**143**	**2.5**	**174**	< 0.52 U	< 2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-05	6/21/2019	**290**	< 5.5 U	33.8	**12**	< 2.8 U	< 2.5 U	< 13.4 U	< 5.8 U	< 11.8 U	< 3.3 U	< 1.7 U	**520**	**24.3**	**1600**	< 2.6 U	16.6 J	NA	NA	NA	NA	NA	NA	NA	NA
RW-06	6/21/2019	< 2.4 U	< 5.5 U	< 2.7 U	< 2.4 U	< 2.8 U	< 2.5 U	< 13.4 U	< 5.8 U	< 11.8 U	< 3.3 U	< 1.7 U	**118**	**16.7**	**407**	< 2.6 U	< 10.9 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-07	6/20/2019	< 2.4 U	< 5.5 U	< 2.7 U	**45.7**	< 2.8 U	< 2.5 U	< 13.4 U	< 5.8 U	< 11.8 U	< 3.3 U	< 1.7 U	**928**	**567**	**10900**	< 2.6 U	53.7	NA	NA	NA	NA	NA	NA	NA	NA
RW-08	6/21/2019	126	< 0.55 U	33.5	4.7	< 0.28 U	< 0.25 U	2.9 J	< 0.58 U	< 1.2 U	0.76 J	< 0.17 U	**16.6**	**21.5**	**202**	< 0.26 U	< 1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-10	6/20/2019	< 0.24 U	< 0.55 U	0.89 J	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	1.2 J	0.59 J	< 0.17 U	4	**2.9**	12.2	< 0.26 U	< 1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-11	6/20/2019	1.5	< 0.55 U	2.1	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	0.81 J	< 0.17 U	4.1	**8.4**	33.8	< 0.26 U	< 1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-12	6/20/2019	5.8	< 0.55 U	25.1	< 0.24 U	< 0.28 U	0.37 J	2.0 J	< 0.58 U	< 1.2 U	0.53 J	< 0.17 U	4.4	**7.3**	21.4	< 0.26 U	< 1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-13	6/20/2019	1.1 J	< 1.4 U	10.5	1.1 J	< 0.70 U	< 0.62 U	< 3.4 U	< 1.5 U	< 2.9 U	< 0.82 U	< 0.43 U	**71**	**24.6**	**351**	< 0.65 U	< 2.7 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-14	6/19/2019	57.7	< 5.5 U	22.7	< 2.4 U	< 2.8 U	< 2.5 U	< 13.4 U	< 5.8 U	24.7 J	< 3.3 U	< 1.7 U	**31**	**112**	**669**	< 2.6 U	< 10.9 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-15	6/18/2019	< 0.24 U	< 0.55 U	0.41 J	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	0.55 J	< 0.17 U	0.36 J	**0.40 J**	1.2	< 0.26 U	< 1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-16	6/20/2019	< 2.4 U	< 5.5 U	4.1 J	**13.2**	< 2.8 U	< 2.5 U	< 13.4 U	< 5.8 U	< 11.8 U	< 3.3 U	< 1.7 U	**9790**	**10.1**	**767**	< 2.6 U	**305**	NA	NA	NA	NA	NA	NA	NA	NA
RW-17	6/20/2019	54.5	< 5.5 U	6.6 J	< 2.4 U	< 2.8 U	< 2.5 U	< 13.4 U	< 5.8 U	< 11.8 U	**7.3 J**	< 1.7 U	**606**	< 1.7 U	39.3	< 2.6 U	< 10.9 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-18	6/20/2019	74.4	< 2.8 U	5.2	3.1 J	< 1.4 U	< 1.2 U	< 6.7 U	< 2.9 U	< 5.9 U	2.7 J	< 0.86 U	**288**	< 0.87 U	45	< 1.3 U	5.7 J	NA	NA	NA	NA	NA	NA	NA	NA
RW-19	6/20/2019	36.3	< 5.5 U	11.5	3.3 J	< 2.8 U	< 2.5 U	< 13.4 U	< 5.8 U	< 11.8 U	**7.4 J**	< 1.7 U	**996**	**8.0 J**	**280**	< 2.6 U	19.8 J	NA	NA	NA	NA	NA	NA	NA	NA
RW-20	6/21/2019	34.1	< 5.5 U	2.7 J	2.8 J	< 2.8 U	< 2.5 U	< 13.4 U	< 5.8 U	< 11.8 U	< 3.3 U	< 1.7 U	**961**	**13.2**	**317**	< 2.6 U	< 10.9 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-21	6/21/2019	102	< 2.8 U	11.8	3.0 J	< 1.4 U	< 1.2 U	< 6.7 U	< 2.9 U	< 5.9 U	< 1.6 U	< 0.86 U	**369**	**11.8**	**436**	< 1.3 U	< 5.5 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-22	6/21/2019	74.8	< 5.5 U	19.5	4.7 J	< 2.8 U	< 2.5 U	< 13.4 U	< 5.8 U	< 11.8 U	< 3.3 U	< 1.7 U	**633**	< 1.7 U	**115**	< 2.6 U	< 10.9 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-23	6/21/2019	**347**	< 5.5 U	23.1	**10.4**	< 2.8 U	< 2.5 U	< 13.4 U	< 5.8 U	< 11.8 U	< 3.3 U	< 1.7 U	**606**	< 1.7 U	**179**	< 2.6 U	< 10.9 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-24	6/21/2019	**426**	< 0.55 U	115	**50.8**	0.49 J	< 0.25 U	9.5	< 0.58 U	< 1.2 U	0.97 J	< 0.17 U	**215**	**27.6**	**396**	< 0.26 U	3.2 J	NA	NA	NA	NA	NA	NA	NA	NA
RW-25	6/21/2019	49.9	< 0.55 U	17.5	3.3	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	0.89 J	< 0.17 U	**30.8**	**0.68 J**	59.8	< 0.26 U	< 1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-26	6/21/2019	< 2.4 U	< 5.5 U	< 2.7 U	< 2.4 U	< 2.8 U	< 2.5 U	< 13.4 U	< 5.8 U	< 11.8 U	< 3.3 U	< 1.7 U	**125**	**229**	**1400**	< 2.6 U	< 10.9 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-27	6/20/2019	< 0.24 U	< 0.55 U	< 0.27 U	< 0.24 U	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	< 0.33 U	< 0.17 U	0.56 J	**7**	53.7	< 0.26 U	< 1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
RW-28	6/20/2019	< 0.24 U	< 0.55 U	1	0.83 J	< 0.28 U	< 0.25 U	< 1.3 U	< 0.58 U	< 1.2 U	0.81 J	< 0.17 U	3.6	**166**	**171**	< 0.26 U	1.2 J	NA	NA	NA	NA	NA	NA	NA	NA

Notes

1. All results are in micrograms per liter (µg/l) unless otherwise specified.
2. PAL exceedances = shading .
3. ES exceedances = shading and bold font.
4. NA = not analyzed.

TABLE 4
COMPARISON OF RECOVERY WELL AND OBSERVATION POINT CONCENTRATIONS
Former Trent Tube Plant No. 1
East Troy, Wisconsin

Well Name	Sample Name	Sample Date	Tetrachloroethene	Trichloroethene	Vinyl chloride	cis-1,2-Dichloroethene	
		PAL	0.5	0.5	0.02	7	
		ES	5	5	0.2	70	
RW-16	RW-16	6/20/2019	<3.3	**9790**	**10.1**	**767**	
OP-14	OP-14	6/20/2019	**13.3**	**473**	<1.7	**16.4**	
RW-17	RW-17	6/20/2019	**7.3 J**	**606**	<1.7	**39.3**	
RW-18	RW-18	6/20/2019	2.7 J	**288**	<0.87	45	
OP-15	OP-15	6/20/2019	**27.8**	**282**	**0.48 J**	**94**	
OP-15	OP-15	6/20/2019	**27.8**	**282**	**0.48 J**	**94**	
RW-19	RW-19	6/20/2019	**7.4 J**	**996**	**8 J**	**280**	
OP-16	OP-16	6/20/2019	<0.65	**43.8**	**106**	**145**	VC
RW-20	RW-20	6/21/2019	< 3.3 U	**961**	**13.2**	**317**	
OP-01	OP-1	6/21/2019	< 3.3 U	**515**	< 1.7 U	**201**	TCE
RW-21	RW-21	6/21/2019	< 1.6 U	**369**	**11.8**	**436**	
OP-02	OP-2	6/21/2019	< 0.65 U	**127**	**3.7**	**151**	VC
RW-22	RW-22	6/21/2019	< 3.3 U	**633**	< 1.7 U	**115**	
RW-03	RW-3	6/21/2019	< 32.6 U	**350**	**176**	**7800**	
OP-03	OP-3	6/21/2019	0.54 J	**77.8**	**4.9**	**130**	
RW-24	RW-24	6/21/2019	0.97 J	**215**	**27.6**	**396**	
OP-04	OP-4	6/21/2019	1.4 J	**175**	< 0.35 U	47.4	TCE
RW-25	RW-25	6/21/2019	0.89 J	**30.8**	**0.68 J**	59.8	
RW-05	RW-5	6/21/2019	< 3.3 U	**520**	**24.3**	**1600**	
OP-05	OP-5	6/21/2019	< 3.3 U	**476**	**44.8**	**607**	
RW-06	RW-6	6/21/2019	< 3.3 U	**118**	**16.7**	**407**	
MW-06	MW-6	6/21/2019	< 1.6 U	**42.5**	**46.2**	**458**	
RW-27	RW-27	6/20/2019	<0.33	0.56 J	**7**	53.7	
OP-7	OP-7	6/20/2019	3.8 J	**646**	**4.5 J**	**904**	TCE/ cis
OP-8	OP-8	6/20/2019	0.95 J	2.7	**1.3**	2.9	
RW-28	RW-28	6/20/2019	0.81 J	3.6	**166**	**171**	
RW-10	RW-10	6/20/2019	0.59 J	4	**2.9**	12.2	
OP-10	OP-10	6/20/2019	0.75 J	**8.6**	**13.6**	9.6	
RW-14	RW-14	6/19/2019	< 3.3 U	**31**	**112**	**669**	
MW-15	MW-15	6/18/2019	0.73 J	1.9	**0.33 J**	1.7	

WEST

EAST

FIGURES

MILL STREET

CHURCH STREET

HIGHWAY 120

MW-11 (833.61)

MW-21 (833.22)

MW-9 (ABANDONED)

MW-14 (ABANDONED)

MW-15 (821.47)

MW-20 (818.71)

MW-8 (818.63)

FORMER LAGOON

MAIN OFFICE AREA

NORTH BOILER ROOM

POSSIBLE TRANSFORMERS

MW-17R (833.06)

MW-22 (ABANDONED)

MW-37R (832.19)

MACHINE SHOP

SEPTIC FIELD

MW-13 (ABANDONED)

MW-13R (825.89)

MW-12 (826.99)

OP-11 (825.91)

FORMER IMPOUNDMENT

OP-9 (827.59)

OP-10 (825.47)

FORMER CHANNEL

OP-8 (817.03)

MW-7R (818.45)

OP-7 (818.06)

MW-19 (818.93)

OIL STORAGE

GAS POWERED GENERATOR

GASOLINE GENERATOR AND SWAGGER AREA

FILTER PLANT

MW-38 (829.06)

MW-18 (ABANDONED)

MW-18R (829.76)

MW-1R (826.95)

RW-08 (828.70)

MW-39 (828.02)

MW-6A

MW-6 (821.58)

OP-6 (818.12)

OP-5 (820.96)

SOUTH DEGREASING AREA

MW-42 (828.31)

MW-16 (828.49)

HONEY CREEK

MW-26 (ABANDONED)

MW-2 (826.11)

MW-3 (ABANDONED)

OP-4 (822.86)

EPOXY SPRAY BOOTH

TRANSFORMER

MW-41 (827.49)

OP-12 (826.60)

OP-13 (826.71)

MW-4 (827.11)

MW-4A

MAINTENANCE SHOP

MW-40 (828.02)

OP-14 (826.66)

OP-3 (817.82)

MW-32D (ABANDONED)

MW-32S (ABANDONED)

MW-25 (817.68)

OP-15 (823.59)

OP-16 (820.58)

MW-5 (ABANDONED)

MW-30 (ABANDONED)

OP-1 (820.84)

OP-2 (821.14)

MW-31 (ABANDONED)

MW-35 (ABANDONED)

MW-27 (823.31)

MW-28 (ABANDONED)

MW-29 (822.00)

831 832 833 830 829 828 827 826 825 824 823 822 821

N

W E

S

0 50' 100' 200'

SCALE IN FEET 1" = 100'

LEGEND

- MONITORING WELL
- FORMER RAILROAD TRACKS
- FORMER LAGOON/ IMPOUNDMENT
- (817.03) GROUNDWATER ELEVATION, FEET
- 831 ISOELEVATION CONTOUR, FEET
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NO.	ISSUE/DESCRIPTION	BY	DATE

FORMER TRENT TUBE SITE
2188 CHURCH STREET
EAST TROY, WISCONSIN

POTENTIOMETRIC SURFACE (JUNE 14, 2019)

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
EN-PRO HOLDINGS, INC.

PROJ MGR: KMH	REVIEWED BY: JFD	CHECKED BY: KMH	FIG 1
DESIGNED BY: KMH	DRAWN BY: KMH	SCALE: see above	
DATE: AUGUST, 2019	PROJECT NO. 20.0155935.00	REVISION NO.	SHEET NO. OF

MILL STREET

CHURCH STREET

HIGHWAY 120

MW-11 (<0.26)

MW-21 (<0.26)

MAIN OFFICE AREA

NORTH BOILER ROOM

POSSIBLE TRANSFORMERS

MW-22 (ABANDONED)

GAS POWERED GENERATOR

GASOLINE GENERATOR AND SWAGGER AREA

FILTER PLANT

MW-38 (<0.26)

MW-1R (<0.26)

MW-18 (ABANDONED)

MW-18R (5,150)

MW-37R (1.8)

MACHINE SHOP

OIL STORAGE

SOUTH DEGREASING AREA

MW-42 (5,180)

RW-08

MW-39 (839)

MW-16 (38.6)

MW-2 (16,400)

MW-3 (ABANDONED)

TRANSFORMER

OP-12

MW-41 (27.7)

OP-13

MW-4A

MW-4 (112)

OP-14 (473)

MAINTENANCE SHOP

MW-40 (248)

EPOXY SPRAY BOOTH

OP-15 (282)

OP-16 (43.8)

OP-1 (515)

OP-2 (127)

MW-35 (ABANDONED)

HONEY CREEK

MW-14 (ABANDONED)

MW-9 (ABANDONED)

FORMER LAGOON

MW-15 (1.9)

MW-20 (<0.26)

MW-8 (<0.26)

MW-12 (<0.26)

OP-11 (<0.26)

FORMER IMPOUNDMENT

SEPTIC FIELD

MW-13 (ABANDONED)

MW-13R (0.37)

OP-9 (3)

OP-10 (8.6)

FORMER CHANNEL

OP-8 (2.7)

MW-7R (0.41)

OP-7 (646)

OP-6

MW-6A

MW-6 (42.5)

MW-19 (<0.26)

OP-5 (476)

OP-4 (175)

MW-26 (ABANDONED)

MW-32D (ABANDONED)

MW-32S (ABANDONED)

MW-25 (<0.26)

OP-3 (77.8)

MW-5 (ABANDONED)

MW-30 (ABANDONED)

MW-31 (ABANDONED)

MW-27 (<0.26)

MW-28 (ABANDONED)

MW-29 (<0.26)

5

50

500

5,000

LEGEND

MONITORING WELL

FORMER RAILROAD TRACKS

FORMER LAGOON/ IMPOUNDMENT

(646) TCE CONCENTRATION, µg/L

5 ISOCONCENTRATION CONTOUR, µg/L

NOTES:
THE GROUNDWATER ENFORCEMENT STANDARD FOR TCE IS 5 µg/L

N

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0 50' 100' 200'

SCALE IN FEET 1" = 100'

NO.	ISSUE/DESCRIPTION	BY	DATE

FORMER TRENT TUBE SITE
2188 CHURCH STREET
EAST TROY, WISCONSIN

GROUNDWATER TCE CONCENTRATIONS (JUNE 14, 2019)

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
ENPRO HOLDINGS, INC.

PROJ MGR: KMH	REVIEWED BY: JFD	CHECKED BY: KMH	FIG 2
DESIGNED BY: KMH	DRAWN BY: KMH	SCALE: see above	
DATE: AUGUST, 2019	PROJECT NO. 20.0155935.00	REVISION NO.	SHEET NO. OF

MILL STREET

CHURCH STREET

HIGHWAY 120

MW-11 (<0.27)

MW-21 (<0.27)

MAIN OFFICE AREA

NORTH BOILER ROOM

POSSIBLE TRANSFORMERS

MW-22 (ABANDONED)

70

MW-17R (253)

MW-37R (<0.27)

MACHINE SHOP

GAS POWERED GENERATOR

GASOLINE GENERATOR AND SWAGGER AREA

FILTER PLANT

MW-38 (<0.27)

MW-18 (ABANDONED)

OIL STORAGE

70

700

MW-18R (2,390)

MW-1R (<0.27)

RW-08

SOUTH DEGREASING AREA

MW-42 (<27.1)

MW-39 (200)

MW-16 (177)

MW-2 (<27.1)

MW-3 (ABANDONED)

EPOXY SPRAY BOOTH

TRANSFORMER

OP-12

MW-41 (0.39)

OP-13

MW-4A

MW-4 (11.8)

MAINTENANCE SHOP

MW-40 (508)

OP-14 (16.4)

OP-15 (94)

OP-16 (145)

OP-1 (201)

OP-2 (151)

HONEY CREEK

MW-35 (ABANDONED)

MW-14 (ABANDONED)

MW-9 (ABANDONED)

FORMER LAGOON

MW-15 (1.7)

MW-20 (0.32)

MW-8 (<0.27)

MW-12 (<0.27)

OP-11 (2.0)

FORMER IMPOUNDMENT

SEPTIC FIELD

MW-13 (ABANDONED)

MW-13R (4.2)

OP-9 (16.5)

OP-10 (9.6)

FORMER CHANNEL

OP-8 (2.9)

MW-7R (1.5)

OP-7 (904)

MW-19 (1.5)

MW-6A

OP-6

MW-6 (458)

OP-5 (607)

HONEY CREEK

MW-26 (ABANDONED)

OP-4 (47.4)

OP-3 (130)

MW-32D (ABANDONED)

MW-32S (ABANDONED)

MW-25 (<0.27)

MW-5 (ABANDONED)

MW-30 (ABANDONED)

MW-31 (ABANDONED)

MW-27 (0.42)

MW-28 (ABANDONED)

MW-29 (<0.27)

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W E

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0 50' 100' 200'

SCALE IN FEET 1" = 100'

LEGEND

MONITORING WELL

FORMER RAILROAD TRACKS

FORMER LAGOON/ IMPOUNDMENT

(904) CIS-1,2-DCE CONCENTRATION, µg/L

70 ISOCONCENTRATION CONTOUR, µg/L

NOTES:
THE GROUNDWATER ENFORCEMENT STANDARD FOR CIS-1,2-DCE IS 70 µg/L

NO.	ISSUE/DESCRIPTION	BY	DATE

FORMER TRENT TUBE SITE
2188 CHURCH STREET
EAST TROY, WISCONSIN

GROUNDWATER CIS-1,2-DCE CONCENTRATIONS (JUNE 19, 2019)

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
ENPRO HOLDINGS, INC.

PROJ MGR: KMH	REVIEWED BY: JFD	CHECKED BY: KMH	FIG 3
DESIGNED BY: KMH	DRAWN BY: KMH	SCALE: see above	
DATE: AUGUST, 2019	PROJECT NO. 20.0155935.00	REVISION NO.	SHEET NO. OF

MILL STREET

CHURCH STREET

MW-11 (<0.17)

MW-21 (<0.17)

MW-14 (ABANDONED)

MW-9 (ABANDONED)

FORMER LAGOON

MW-20 (<0.17)

MW-15 (0.33)

MW-8 (<0.17)

MAIN OFFICE AREA

NORTH BOILER ROOM

HIGHWAY 120

POSSIBLE TRANSFORMERS

MW-17R (16.2)

MW-22 (ABANDONED)

MW-37R (<0.17)

MW-12 (0.34)

OP-11 (52.8)

FORMER IMPOUNDMENT

SEPTIC FIELD

MW-13 (ABANDONED)

MW-13R (10.8)

OP-9 (36.4)

OP-10 (13.6)

FORMER CHANNEL

OP-8 (1.3)

MACHINE SHOP

GAS POWERED GENERATOR

GASOLINE GENERATOR AND SWAGGER AREA

FILTER PLANT

MW-38 (<0.17)

MW-18 (ABANDONED)

OIL STORAGE

MW-7R (0.69)

MW-19 (10.3)

OP-7 (4.5)

MW-18R (33.8)

OP-6

MW-6A

MW-6 (46.2)

MW-1R (<0.17)

RW-08

OP-5 (44.8)

MW-39 (3.1)

MW-42 (<17.5)

SOUTH DEGREASING AREA

HONEY CREEK

MW-16 (<3.5)

MW-26 (ABANDONED)

MW-2 (<17.5)

OP-4 (<0.35)

MW-3 (ABANDONED)

EPOXY SPRAY BOOTH

TRANSFORMERS

OP-12

MW-41 (<0.17)

OP-13

MW-4A

MW-4 (<0.44)

MAINTENANCE SHOP

MW-40 (0.90)

OP-3 (4.9)

MW-32D (ABANDONED)

MW-32S (ABANDONED)

MW-25 (<0.17)

OP-14 (<1.7)

OP-15 (0.48)

OP-16 (106)

MW-5 (ABANDONED)

MW-30 (ABANDONED)

OP-1 (<1.7)

OP-2 (3.7)

MW-31 (ABANDONED)

HONEY CREEK

MW-35 (ABANDONED)

MW-27 (0.20)

MW-28 (ABANDONED)

MW-29 (<0.17)

0.2

2

20

N

W

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0 50' 100' 200'

SCALE IN FEET 1" = 100'

LEGEND

- MONITORING WELL
- FORMER RAILROAD TRACKS
- FORMER LAGOON/ IMPOUNDMENT
- (46.2) VINYL CHLORIDE CONCENTRATION, µg/L
- 0.2 ISOCONCENTRATION CONTOUR, µg/L

NOTES:
THE GROUNDWATER ENFORCEMENT STANDARD FOR VINYL CHLORIDE IS 0.2 µg/L

NO.	ISSUE/DESCRIPTION	BY	DATE

FORMER TRENT TUBE SITE
2188 CHURCH STREET
EAST TROY, WISCONSIN

GROUNDWATER VINYL CHLORIDE CONCENTRATIONS (JUNE 19, 2019)

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
ENPRO HOLDINGS, INC.

PROJ MGR: KMH	REVIEWED BY: JFD	CHECKED BY: KMH	FIG 4
DESIGNED BY: KMH	DRAWN BY: KMH	SCALE: see above	
DATE: AUGUST, 2019	PROJECT NO. 20.0155935.00	REVISION NO.	SHEET NO. OF

MILL STREET

CHURCH STREET

HIGHWAY 120

MW-11 (115.6)

MW-21 (100.1)

MW-9 (ABANDONED)

MW-14 (ABANDONED)

MW-15 (37.5)

MW-20 (23.7)

MW-8 (-11.6)

FORMER LAGOON

MAIN OFFICE AREA

NORTH BOILER ROOM

POSSIBLE TRANSFORMERS

MW-17R (-214.7)

MW-22 (ABANDONED)

MW-37R (166.1)

MW-12 (-97.9)

OP-11 (-174.7)

FORMER IMPOUNDMENT

SEPTIC FIELD

MW-13 (ABANDONED)

MW-13R (-25.9)

OP-9 (-58.6)

OP-10 (-80.1)

FORMER CHANNEL

MACHINE SHOP

OP-8 (45.6)

GAS POWERED GENERATOR

GASOLINE GENERATOR AND SWAGGER AREA

FILTER PLANT

MW-38 (81.2)

MW-18 (ABANDONED)

OIL STORAGE

MW-7R (-103.4)

OP-7

MW-19 (-120.5)

MW-18R (-189.4)

OP-6

MW-6A (-100)

MW-6 (5.4)

MW-1R (60.1)

RW-08

OP-5 (58.1)

MW-39 (-184.4)

SOUTH DEGREASING AREA

MW-42 (26.1)

HONEY CREEK

MW-16 (127.1)

MW-26 (ABANDONED)

MW-2 (69.1)

OP-4 (50.3)

MW-3 (ABANDONED)

EPOXY SPRAY BOOTH

TRANSFORMER

OP-12

MW-41 (29.7)

OP-13

MAINTENANCE SHOP

MW-4A (76.7)

MW-4 (100.1)

MW-40 (202.1)

OP-3 (123.7)

MW-32D (ABANDONED)

MW-32S (ABANDONED)

MW-25 (-55.9)

OP-14 (109.4)

OP-15 (133.4)

OP-16 (-37.6)

MW-5 (ABANDONED)

MW-30 (ABANDONED)

OP-1 (119.5)

OP-2 (120.7)

MW-31 (ABANDONED)

MW-35 (ABANDONED)

MW-27 (-49.5)

MW-28 (ABANDONED)

MW-29 (49.4)

50

-100

N

W

E

S

0 50' 100' 200'

SCALE IN FEET 1" = 100'

LEGEND

MONITORING WELL

FORMER RAILROAD TRACKS

FORMER LAGOON/ IMPOUNDMENT

ORP MEASUREMENT OF 50 mV INDICATES REDUCTIVE DECHLORINATION PATHWAY IS POSSIBLE

ORP MEASUREMENT OF -100 mV INDICATES REDUCTIVE DECHLORINATION PATHWAY IS LIKELY

NO.	ISSUE/DESCRIPTION	BY	DATE

FORMER TRENT TUBE SITE
2188 CHURCH STREET
EAST TROY, WISCONSIN

GROUNDWATER ORP CONTOUR (JUNE 19, 2019)

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
ENPRO HOLDINGS, INC.

PROJ MGR: KMH	REVIEWED BY: JFD	CHECKED BY: KMH	FIG
DESIGNED BY: KMH	DRAWN BY: KMH	SCALE: see above	5
DATE: AUGUST, 2019	PROJECT NO. 20.0155935.00	REVISION NO.	SHEET NO. OF

ATTACHMENT 1

Limitations

LIMITATIONS

STANDARD OF CARE

1. GZA's findings and conclusions are based on the work conducted as part of the Scope of Services set forth in the Proposal for Services and/or Report and reflect our professional judgment. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. Conditions other than described in this report may be found at the subject location(s).
2. GZA's services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. No warranty, expressed or implied, is made. Specifically, GZA does not and cannot represent that the Site contains no hazardous material, oil, or other latent condition beyond that observed by GZA during its study. Additionally, GZA makes no warranty that any response action or recommended action will achieve all of its objectives or that the findings of this study will be upheld by a local, state or federal agency.
3. In conducting our work, GZA relied upon certain information made available by public agencies, Client and/or others. GZA did not attempt to independently verify the accuracy or completeness of that information. Inconsistencies in this information which we have noted, if any, are discussed in the Report.

SUBSURFACE CONDITIONS

4. The generalized soil profile(s) provided in our Report are based on widely-spaced subsurface explorations and are intended only to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and were based on our assessment of subsurface conditions. The composition of strata, and the transitions between strata, may be more variable and more complex than indicated. For more specific information on soil conditions at a specific location refer to the exploration logs. The nature and extent of variations between these explorations may not become evident until further exploration or construction. If variations or other latent conditions then become evident, it will be necessary to reevaluate the conclusions and recommendations of this report.
5. Water level readings have been made, as described in this Report, in and monitoring wells at the specified times and under the stated conditions. These data have been reviewed and interpretations have been made in this report. Fluctuations in the level of the groundwater however occur due to temporal or spatial variations in areal recharge rates, soil heterogeneities, the presence of subsurface utilities, and/or natural or artificially induced perturbations. The observed water table may be other than indicated in the Report.

COMPLIANCE WITH CODES AND REGULATIONS

6. We used reasonable care in identifying and interpreting applicable codes and regulations necessary to execute our scope of work. These codes and regulations are subject to various, and possibly contradictory, interpretations. Interpretations and compliance with codes and regulations by other parties is beyond our control.

SCREENING AND ANALYTICAL TESTING

7. GZA collected environmental samples at the locations identified in the Report. These samples were analyzed for the specific parameters identified in the report. Additional constituents, for which analyses were not conducted, may be present in soil, groundwater, surface water, sediment and/or air. Future Site activities and uses may result in a requirement for additional testing.
8. Our interpretation of field screening and laboratory data is presented in the Report. Unless otherwise noted, we relied upon the laboratory's QA/QC program to validate these data.
9. Variations in the types and concentrations of contaminants observed at a given location or time may occur due to release mechanisms, disposal practices, changes in flow paths, and/or the influence of various physical, chemical, biological or radiological processes. Subsequently observed concentrations may be other than indicated in the Report.

INTERPRETATION OF DATA

10. Our opinions are based on available information as described in the Report, and on our professional judgment. Additional observations made over time, and/or space, may not support the opinions provided in the Report.

ADDITIONAL INFORMATION

11. In the event that the Client or others authorized to use this report obtain additional information on environmental or hazardous waste issues at the Site not contained in this report, such information shall be brought to GZA's attention forthwith. GZA will evaluate such information and, on the basis of this evaluation, may modify the conclusions stated in this report.

ADDITIONAL SERVICES

12. GZA recommends that we be retained to provide services during any future investigations, design, implementation activities, construction, and/or property development/ redevelopment at the Site. This will allow us the opportunity to: i) observe conditions and compliance with our design concepts and opinions; ii) allow for changes in the event that conditions are other than anticipated; iii) provide modifications to our design; and iv) assess the consequences of changes in technologies and/or regulations.

ATTACHMENT 2

WDNR Soil Boring, Well Completion, and Well Development Forms

State of Wisconsin
Department of Natural Resources

Soil Boring Log Information

Form 4400-122 Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Trent Tube		**MW-13R**

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name Last Name Firm **Cabeno Environmental Field Services**	**6-13-19**	**6-13-19**	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-13R	_____ Feet	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☒) or Boring Location ☐
State Plane _____ N, _____ E S ☐/C ☐ /N ☐
_____ 1/4 of _____ 1/4 of Section _____, T ____, R _____
Lat _____ Long _____
Local Grid Location ☒ N ☒ E
_____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/or Village
			East Troy, Wisconsin

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
S-1	60/24			0-1': Topsoil 1-5': SILTY SAND; dark brown, loose, dry	Topsoil SM			0-2: 22.8 2-4: 25.9 4-6: 39.0						
S-2	60/48		5	5-7': SILTY SAND; dark gray, loose, moist 7-7.5': Red brick 7.5-10': Well-graded SAND; with Gravel; trace Silt; brown, loose, moist	Red brick SW			6-8: 87.0 8-10: 26.3						
S-3	60/48		10	10-14': Well-graded SAND; with Gravel; trace Silt; brown, loose, moist 14-15': Well-graded SAND; tan, loose, saturated				10-12: 72.3 12-14: 16.7						
S-4	60/48		15	15-19': Well-graded SAND; tan, loose, saturated 19-20': SILTY SAND; black, loose, wet	SM			14-16: 22.4 16-18: 66.0						
			20	End of Boring at 20 feet bgs.				18-20: 57.8						
			25											

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature	Firm
Kevin M Kain	GZA GeoEnvironmental, Inc.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis Stats. Completeion of this form is manatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not indended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent

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State of Wisconsin
Department of Natural Resources

Soil Boring Log Information

Form 4400-122 Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Managment ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Trent Tube		**MW-18R**

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name Last Name Firm **Cabeno Environmental Field Services**	**6-12-19**	**6-13-19**	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-18R	_____ Feet	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☒) or Boring Location ☐
State Plane _____ N, _____ E S ☐/C ☐ /N ☐
_____ 1/4 of _____ 1/4 of Section _____, T _____, R _____
Lat _____ Long _____

Local Grid Location
☒ N _____ Feet ☐ S
☒ E _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/or Village
			East Troy, Wisconsin

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
S-1	60/42			0-2': SAND, fine-grained; with Gravel; brown, loose, dry 2-2.5': SILTY SAND; trace Gravel; tan, loose, dry 2.5-5': SANDY CLAY; brown, loose, moist	SP SM CLS			0-2: 28.5 2-4: 36.2 4-6: 32.2						
S-2	60/60		5	5-9': SAND, fine; trace Clay; trace Gravel; tan, loose , moist 9-10': Well-graded SAND; fine to coarse-grained; tan, loose, wet	SP SW			6-8: 40.7 8-10: 55.6						
S-3	60/60		10	10-11': SAND and GRAVEL, coarse-grained; trace Clay; brown, loose, dry 11-13': Well-graded SAND; tan, loose, saturated 13-15': SILT; trace Gravel; gray, loose, dry	GPS SW ML			10-12: 64.9 12-14: >5,000						
S-4	60/60		15	15-18': Well-graded SAND; tan, loose, saturated 18-20': SILT, with Gravel; gray, firm, dry	SW ML			14-16: >5,000 16-18: >5,000						
			20	End of Boring at 20 feet bgs.				18-20: >5,000						
			25											

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature	Firm
	GZA GeoEnvironmental, Inc.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis Stats. Completeion of this form is manatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not indended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent

GZA WI DNR FORMAT - GZADEPTH.GDT - 8/2/19 10:22 - J:\155900TO155999\155935 TRENT TUBE\WORK\TRENTTUBE.GPJ

State of Wisconsin
Department of Natural Resources

Soil Boring Log Information

Form 4400-122 Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Managment ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Trent Tube		**MW-38**

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name Last Name Firm **Cabeno Environmental Field Services**	**6-12-19**	**6-12-19**	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-38	_____ Feet	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☒) or Boring Location ☐
State Plane _____ N, _____ E S ☐/C ☐ /N ☐
_____ 1/4 of _____ 1/4 of Section _____, T _____, R _____
Lat _____
Long _____

Local Grid Location
☒ N ☒ E
_____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/or Village
			East Troy, Wisconsin

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
S-1	60/26			0-1': Well-graded SAND; with Gravel; tan, loose, dry 1-5': SILT; trace Clay; tan, soft, moist	SW ML			0-2: 0.1 2-4: 10.0 4-6: 58.9						
S-2	60/31		5	5-6': SILT; trace Clay; tan, soft, moist 6-10': Well-graded SAND, medium to coarse-grained; trace Gravel; tan, loose, moist	SW			6-8: 6.1 8-10: 26.1						
S-3	60/60		10	10-14': Well-graded SAND, medium to coarse-grained; trace Gravel; tan, loose, moist 14-15': SILT; trace Gravel; tan/orange, loose, dry	ML			10-12: 29.9 12-14: 75.0						
S-4	24/24		15	15-17': Well-graded SAND, medium to coarse-grained; tan, loose, dry End of Boring at 17 feet bgs.	SW			14-15: 31.5 15-17: 29.8						
			20											
			25											

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature	Firm
	GZA GeoEnvironmental, Inc.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis Stats. Completeion of this form is manatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not indended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent

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State of Wisconsin
Department of Natural Resources

Soil Boring Log Information

Form 4400-122 Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Managment ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Trent Tube		**MW-39**

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name Last Name Firm **Cabeno Environmental Field Services**	**6-12-19**	**6-12-19**	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-39	_____ Feet	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☒) or Boring Location ☐
State Plane _____ N, _____ E S ☐/C ☐ /N ☐
_____ 1/4 of _____ 1/4 of Section _____, T _____, R _____
Lat _____ Long _____
Local Grid Location ☒ N _____ Feet ☐ S ☒ E _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/or Village
			East Troy, Wisconsin

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
S-1	60/20		0	0-1': Well-graded SAND, fine to coarse-grained; with Gravel; tan, loose, dry 1-5': Well-graded SAND, fine to medium-grained; trace Gravel; red wood; brown, loose, dry	SW			0-2: 21.9 2-4: 25.3 4-6: 33.5						
S-2	60/48		5	5-7': Well-graded SAND, fine to medium-grained; trace Gravel; red wood; brown, loose, dry 7-7.5': Well-graded SAND, medium to coarse-grained; with Gravel, trace Clay; tan, loose, dry 7.5-8': Well-graded SAND and GRAVEL; trace Clay; black staining; brown, loose, moist 8-9': CLAY; with Gravel; staining; dark gray, soft, moist	GPS CL			6-8: 214.6 8-10: 221.3						
S-3	60/60		10	9-10': CLAY; with Gravel; brown, soft, moist 10-12': Well-graded SAND; with Gravel; tan, loose, dry 12-15': SILT; tan, loose, moist	SW ML			10-12: 18.7 12-14: 43.0						
S-4	60/60		15	15-16': Well-graded SAND and GRAVEL; tan, loose, dry 16-19': Poorly-graded SAND, fine; tan, loose, saturated 19-20': Well-graded SAND; trace Silt; loose, saturated	GPS SP SW			14-16: 14.3 16-18: 12.8 18-20: >5,000						
S-5	24/24		20	20-22': SILT, tan, loose, saturated End of Boring at 22 feet bgs.	ML			20-22: 3,237						
			25											

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature	Firm
	GZA GeoEnvironmental, Inc.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis Stats. Completeion of this form is manatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not indended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent

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State of Wisconsin
Department of Natural Resources

Soil Boring Log Information

Form 4400-122 Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Managment ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Trent Tube		**MW-40**

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name Last Name Firm **Cabeno Environmental Field Services**	**6-13-19**	**6-13-19**	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-40	_____ Feet	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☒) or Boring Location ☐
State Plane _____ N, _____ E S ☐/C ☐ /N ☐
_____ 1/4 of _____ 1/4 of Section _____, T _____, R _____
Lat _____
Long _____
Local Grid Location
☒ N _____ Feet ☐ S
☒ E _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/or Village
			East Troy, Wisconsin

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
S_1	60/26		0	0-5': Well-graded SAND, fine to coarse-grained; tan, loose, moist	SW			0-2: 14.9 2-4: 16.5 4-6: 12.9						
S-2	60/48		5	5-8': Well-graded SAND, fine to coarse-grained; tan, loose, moist 8-9': SILT, trace Gravel; dark gray, loose, dry 9-10': SILT; with SAND, fine-grained; brown, loose, moist	ML			6-8: 39.4 8-10: 41.7						
S-3	60/48		10	10-12': Well-graded SAND; tan, loose, dry 12-14': Well-graded SAND; trace Gravel; brown, loose, saturated 14-15': Well-graded SAND, fine to coarse-grained; with SILT; tan, moist	SW			10-12: 21.8 12-14: 136.8 14-16: 150.5						
S-4	60/60		15	15-18': Well-graded SAND, fine to coarse-grained; with SILT; tan, moist 18-20': SILT; with Gravel; brown, loose, moist	ML			16-18: 33.3 18-20: 130.3						
			20	End of Boring at 20 feet bgs.										
			25											

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature	Firm
	GZA GeoEnvironmental, Inc.

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State of Wisconsin
Department of Natural Resources

Soil Boring Log Information

Form 4400-122 Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Managment ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Trent Tube		**MW-41**

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name Last Name Firm **Cabeno Environmental Field Services**	**6-13-19**	**6-13-19**	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-41	_____ Feet	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☒) or Boring Location ☐
State Plane _____ N, _____ E S ☐/C ☐ /N ☐
_____ 1/4 of _____ 1/4 of Section _____, T _____, R _____
Lat _____
Long _____

Local Grid Location
_____ Feet ☐ S ☒ N
_____ Feet ☐ W ☒ E

Facility ID	County	County Code	Civil Town/City/or Village
			East Troy, Wisconsin

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
S-1	60/36			0-1': Topsoil 1-2': SILTY CLAY; with Gravel; tan, loose, dry 2-5': Well-graded SAND, fine to coarse-grained; tan, loose, dry	Topsoil CL-ML SW			0-2: 54.4 2-4: 13.5 4-6: 39.1						
S-2	60/60		5	5-10': Well-graded SAND, fine to coarse-grained; tan, loose, dry				6-8: 61.3 8-10: 59.4						
S-3	60/60		10	10-14': Well-graded SAND, fine to coarse-grained; tan, loose, saturated 14-15': SAND/SILT, fine-grained; tan, loose, saturated	SP			10-12: 39.3 12-14: 49.9						
			15	End of Boring at 15 feet bgs.										
			20											
			25											

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature	Firm
K My	GZA GeoEnvironmental, Inc.

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State of Wisconsin
Department of Natural Resources

Soil Boring Log Information

Form 4400-122 Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Managment ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Trent Tube		**MW-42**

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name Last Name Firm **Cabeno Environmental Field Services**	**6-13-19**	**6-13-19**	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-42	_____ Feet	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☒) or Boring Location ☐
State Plane _____ N, _____ E S ☐/C ☐ /N ☐
_____ 1/4 of _____ 1/4 of Section _____, T _____, R _____
Lat _____
Long _____
Local Grid Location
☒ N _____ Feet ☐ S
☒ E _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/or Village
			East Troy, Wisconsin

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
S-1	60/42		0	0-5': SANDY CLAY; trace Gravel; brown, soft, dry	CLS			0-2: 233.2 2-4: 119.0 4-6: 61.5						
S-2	60/46		5	5-8': SANDY CLAY; trace Gravel; brown, soft, dry 8-10': Well-graded SAND; trace Gravel; tan, loose, wet	SW			6-8: 187.4 8-10: 109.8						
S-3	60/60		10	10-13': Well-graded SAND; trace Gravel; tan, loose, wet 13-15': SILT; with Gravel; tan, loose, dry	ML			10-12: >5,000 12-14: >5,000						
			15	End of Boring at 15 feet bgs.										
			20											
			25											

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature	Firm
	GZA GeoEnvironmental, Inc.

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State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Former Trent Tube Plant No. 1	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-13R
Facility License, Permit or Monitoring No.: 0625245827	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: _____ DNR Well ID No.: _____
Facility ID: 265097030	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 06/12/2019 (m m d d y y y y)
Type of Well: Well Code MW / _____	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 29, T. 4 N, R. 18 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Cabeno Environmental; Field Services
Distance from Waste/Source _____ ft.	Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known
		Gov. Lot Number: _____

A. Protective pipe, top elevation 838.54 ft. MSL

B. Well casing, top elevation 838.34 ft. MSL

C. Land surface elevation 835.84 ft. MSL

D. Surface seal, bottom 835.84 ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ _____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top 835.84 ft. MSL or 0 ft.

F. Fine sand, top 833.84 ft. MSL or 2 ft.

G. Filter pack, top 829.84 ft. MSL or 6 ft.

H. Screen joint, top 827.84 ft. MSL or 8 ft.

I. Well bottom 817.84 ft. MSL or 18 ft.

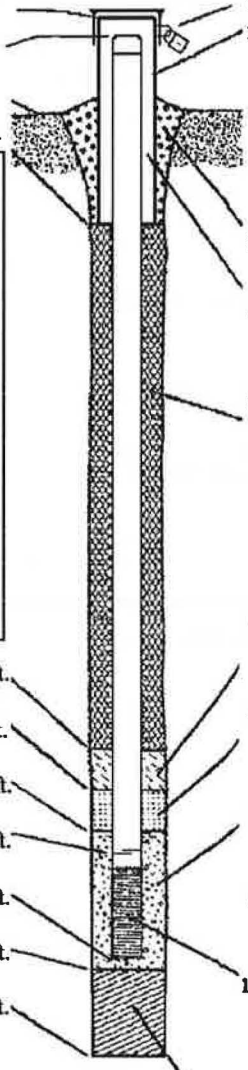
J. Filter pack, bottom 817.84 ft. MSL or 18 ft.

K. Borehole, bottom 817.84 ft. MSL or 18 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.35 in.

N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 3 ft.
c. Material: Steel ☒ 04 Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐ _____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 0.7 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. RW Sidley
b. Volume added 2.1 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. RW Sidley #5
b. Volume added 4.2 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ _____
10. Screen material: Schedule 40 PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ _____
b. Manufacturer Monoplex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
KMy	GZA GeoEnvironmental, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Former Trent Tube Plant No. 1	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: MW-38
Facility License, Permit or Monitoring No.: 0625245827	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: ____ DNR Well ID No.: ____
Facility ID: 265097030	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 06/12/2019 (m m d d y y y y)
Type of Well: Well Code MW / ____	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 29, T. 4 N, R. 18 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Cabeno Environmental; Field Services
Distance from Waste/Source ____ ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: ____

A. Protective pipe, top elevation 839.35 ft. MSL

B. Well casing, top elevation 839.15 ft. MSL

C. Land surface elevation 836.40 ft. MSL

D. Surface seal, bottom 836.40 ft. MSL or ____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☐ SC ☐ ML ☒ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 836.40 ft. MSL or 0 ft.

F. Fine sand, top 834.40 ft. MSL or 2 ft.

G. Filter pack, top 831.40 ft. MSL or 5 ft.

H. Screen joint, top 829.40 ft. MSL or 7 ft.

I. Well bottom 819.40 ft. MSL or 17 ft.

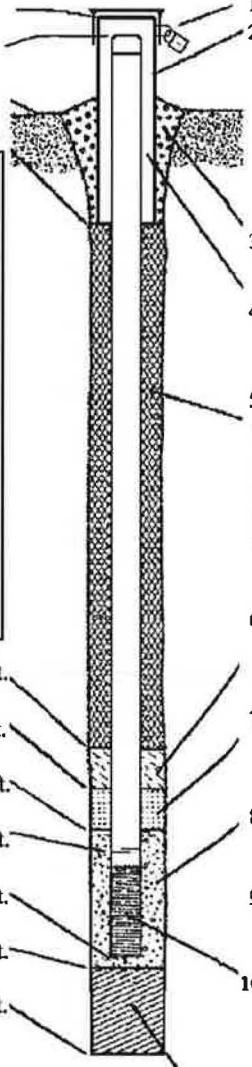
J. Filter pack, bottom 819.40 ft. MSL or 17 ft.

K. Borehole, bottom 819.40 ft. MSL or 17 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.35 in.

N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 3 ft.
c. Material: Steel ☒ 04; Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐ ____

4. Material between well casing and protective pipe: Bentonite ☒ 30; Other ☐ ____

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 0.7 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐ ____

7. Fine sand material: Manufacturer, product name & mesh size
a. RW Sidley
b. Volume added 2.1 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. RW Sidley #5
b. Volume added 4.2 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☐ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____

10. Screen material: Schedule 40 PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ____
b. Manufacturer Monoplex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☒ 14; Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: GZA GeoEnvironmental, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Former Trent Tube Plant No. 1	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-39
Facility License, Permit or Monitoring No.: 0625245827	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: _____ DNR Well ID No.: _____
Facility ID: 26509703 0	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 06/13/2019 (m m d d y y y y)
Type of Well: Well Code MW / _____	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 29, T. 4 N, R. 18 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Cabeno Environmental; Field Services
Distance from Waste/Source _____ ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation 840.85 ft. MSL

B. Well casing, top elevation 840.45 ft. MSL

C. Land surface elevation 837.29 ft. MSL

D. Surface seal, bottom 837.29 ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☒
SM ☐ SC ☐ ML ☒ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ _____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top 837.29 ft. MSL or 0 ft.

F. Fine sand, top 835.29 ft. MSL or 2 ft.

G. Filter pack, top 827.29 ft. MSL or 10 ft.

H. Screen joint, top 825.29 ft. MSL or 12 ft.

I. Well bottom 815.29 ft. MSL or 22 ft.

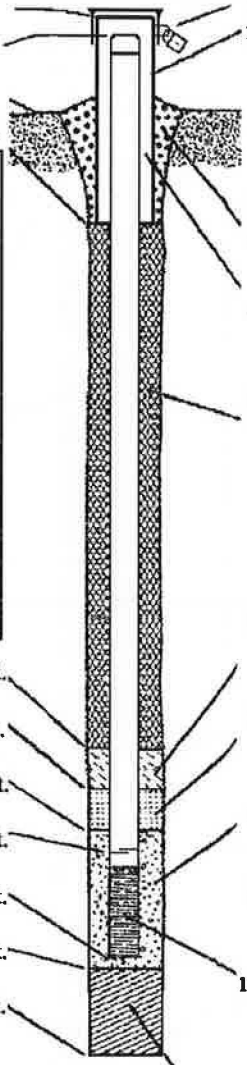
J. Filter pack, bottom 815.29 ft. MSL or 22 ft.

K. Borehole, bottom 815.29 ft. MSL or 22 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.35 in.

N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 3 ft.
c. Material: Steel ☒ 04
Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☒ 30
Concrete ☐ 01
Other ☐ _____

4. Material between well casing and protective pipe:
Bentonite ☒ 30
Other ☐ _____

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 0.7 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ _____

7. Fine sand material: Manufacturer, product name & mesh size
a. RW Sidley
b. Volume added 2.1 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. RW Sidley #5
b. Volume added 4.2 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☐ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐ _____

10. Screen material: Schedule 40 PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
Other ☐ _____
b. Manufacturer Monoplex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☒ 14
Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: KMG Firm: GZA GeoEnvironmental, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Former Trent Tube Plant No. 1	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-40
Facility License, Permit or Monitoring No.: 0625245827	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: _____ DNR Well ID No.: _____
Facility ID: 26509703 0	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 06/13/2019 (m m d d y y y y)
Type of Well: Well Code MW / _____	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 29, T. 4 N, R. 18 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Cabeno Environmental; Field Services
Distance from Waste/Source _____ ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation 840.55 ft. MSL

B. Well casing, top elevation 840.35 ft. MSL

C. Land surface elevation 837.44 ft. MSL

D. Surface seal, bottom 837.44 ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☐ SC ☐ ML ☒ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ _____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top 837.44 ft. MSL or 0 ft.

F. Fine sand, top 835.44 ft. MSL or 2 ft.

G. Filter pack, top 831.44 ft. MSL or 6 ft.

H. Screen joint, top 829.44 ft. MSL or 8 ft.

I. Well bottom 819.44 ft. MSL or 18 ft.

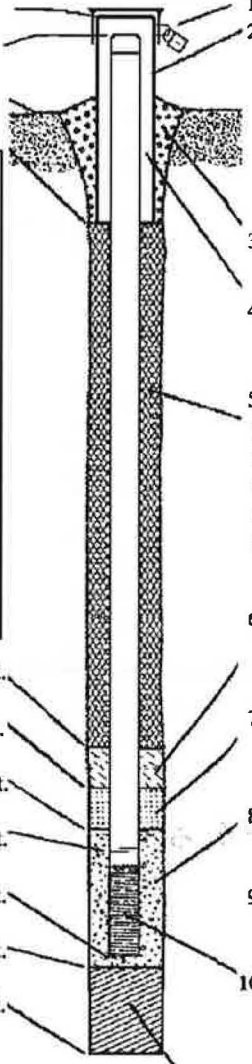
J. Filter pack, bottom 819.44 ft. MSL or 18 ft.

K. Borehole, bottom 819.44 ft. MSL or 18 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.35 in.

N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 3 ft.
c. Material: Steel ☒ 04 Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐ _____

4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐ _____

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 0.7 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ _____

7. Fine sand material: Manufacturer, product name & mesh size
a. RW Sidley
b. Volume added 2.1 ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. RW Sidley #5
b. Volume added 4.2 ft³

9. Well casing: Flush threaded PVC schedule 40 ☐ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ _____

10. Screen material: Schedule 40 PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ _____
b. Manufacturer Monoplex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☒ 14 Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: G2A Geo Environmental, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Former Trent Tube Plant No. 1	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-41
Facility License, Permit or Monitoring No.: 0625245827	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: _____ DNR Well ID No.: _____
Facility ID: 265097030	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 06/13/2019 (m m d d y y y y)
Type of Well: Well Code MW / _____	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 29, T. 4 N, R. 18 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Cabeno Environmental; Field Services
Distance from Waste/Source _____ ft.	Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known
		Gov. Lot Number: _____

A. Protective pipe, top elevation 839.78 ft. MSL

B. Well casing, top elevation 839.48 ft. MSL

C. Land surface elevation 836.73 ft. MSL

D. Surface seal, bottom 836.73 ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ _____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top 836.73 ft. MSL or 0 ft.

F. Fine sand, top 834.73 ft. MSL or 2 ft.

G. Filter pack, top 828.73 ft. MSL or 8 ft.

H. Screen joint, top 826.73 ft. MSL or 10 ft.

I. Well bottom 816.73 ft. MSL or 20 ft.

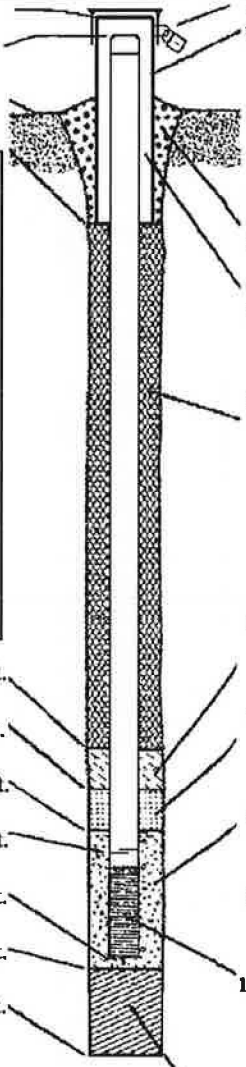
J. Filter pack, bottom 816.73 ft. MSL or 20 ft.

K. Borehole, bottom 816.73 ft. MSL or 20 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.35 in.

N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 3 ft.
c. Material: Steel ☒ 04 Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐ _____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 0.7 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. RW Sidley
b. Volume added 2.1 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. RW Sidley #5
b. Volume added 4.2 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ _____
10. Screen material: Schedule 40 PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ _____
b. Manufacturer Monoplex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: 624 GeoEnvironmental, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Former Trent Tube Plant No. 1	Local Grid Location of Well ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: MW-42
Facility License, Permit or Monitoring No.: 0625245827	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: ____ DNR Well ID No.: ____
Facility ID: 265097030	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 06/13/2019 (m m d d y y y y)
Type of Well: Well Code MW / ____	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 29, T. 4 N, R. 18 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Cabeno Environmental; Field Services
Distance from Waste/Source ____ ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: ____

A. Protective pipe, top elevation 839.90 ft. MSL

B. Well casing, top elevation 839.70 ft. MSL

C. Land surface elevation 837.20 ft. MSL

D. Surface seal, bottom 837.20 ft. MSL or ____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☐ SC ☐ ML ☒ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ ____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 837.20 ft. MSL or 0 ft.

F. Fine sand, top 835.20 ft. MSL or 2 ft.

G. Filter pack, top 829.20 ft. MSL or 8 ft.

H. Screen joint, top 827.20 ft. MSL or 10 ft.

I. Well bottom 817.20 ft. MSL or 20 ft.

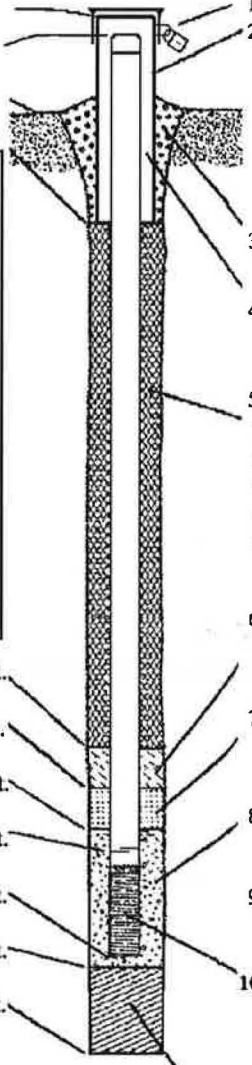
J. Filter pack, bottom 817.20 ft. MSL or 20 ft.

K. Borehole, bottom 817.20 ft. MSL or 20 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.35 in.

N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 3 ft.
c. Material: Steel ☒ 04 Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐ ____

4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐ ____

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 0.7 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐ ____

7. Fine sand material: Manufacturer, product name & mesh size
a. RW Sidley
b. Volume added 2.1 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. RW Sidley #5
b. Volume added 4.2 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☐ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ ____

10. Screen material: Schedule 40 PVC
a. Screen type: Factory cut ☐ 11 Continuous slot ☐ 01 Other ☐ ____
b. Manufacturer Monoplex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☒ 14 Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: KMy Firm: GZA GeoEnvironmental, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Former Trent Tube Plant No. 1	Walworth	MW-13R

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	65	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐	41
surged with bailer and pumped	☒	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	__

3. Time spent developing well 30 min.

4. Depth of well (from top of well casisng) 20.5 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well 170 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☒ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 12.61 ft.	16.84 ft.
Date	b. 06/17/2019 (m m d d y y y y)	06/17/2019
Time	c. 08:30 ☐ a.m. ☐ p.m.	09:00 ☐ a.m. ☐ p.m.
12. Sediment in well bottom	3.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☐ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Alex Last Name: Amundson
Firm: GZA GeoEnvironmental, Inc.

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Benne Last Name: Hutson
Facility/Firm: EnPro Holdings, Inc.
Street: 5606 Carnegie Boulevard
City/State/Zip: Charlotte, NC 28209

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: KMH
Print Name: Kevin M. Hedinger
Firm: GZA GeoEnvironmental, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Former Trent Tube Plant No. 1	Walworth	MW-18R

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	65	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☒ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well ___30 min.

4. Depth of well (from top of well casisng) __22.8 ft.

5. Inside diameter of well __2.0__ in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well __16.0 gal.

8. Volume of water added (if any) ___0.0 gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☒ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. __10.18 ft.	__11.46 ft.
Date	b. 06/17/2019 (m m d d y y y y)	06/17/2019 (m m d d y y y y)
Time	c. 11:45 ☐ a.m. ☐ p.m.	12:15 ☐ a.m. ☐ p.m.
12. Sediment in well bottom	__5.0 inches	__1.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☒ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Alex Last Name: Amundson
Firm: GZA GeoEnvironmental, Inc.

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Benne Last Name: Hutson
Facility/Firm: EnPro Holdings, Inc.
Street: 5606 Carnegie Boulevard
City/State/Zip: Charlotte, NC 28209

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Kevin M. Hedinger
Firm: GZA GeoEnvironmental, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name	
Former Trent Tube Plant No. 1	Walworth	MW-38	
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**
	65	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐	41
surged with bailer and pumped	☒	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	

3. Time spent developing well __45 min.

4. Depth of well (from top of well casisng) __19.4 ft.

5. Inside diameter of well __2.0__ in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well __15.0 gal.

8. Volume of water added (if any) __0.0 gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☒ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. __10.19 ft.	__10.22 ft.
Date	b. 06/17/2019 (m m d d y y y y)	06/17/2019 (m m d d y y y y)
Time	c. 09:15 ☐ a.m. ☐ p.m.	10:00 ☐ a.m. ☐ p.m.
12. Sediment in well bottom	__0.0 inches	__0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☐ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Alex Last Name: Amundson
Firm: GZA GeoEnvironmental, Inc.

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Benne Last Name: Hutson
Facility/Firm: EnPro Holdings, Inc.
Street: 5606 Carnegie Boulevard
City/State/Zip: Charlotte, NC 28209

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: KMH
Print Name: Kevin M. Hedinger
Firm: GZA GeoEnvironmental, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Former Trent Tube Plant No. 1	Walworth	MW-39

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	65	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☒ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well ___35 min.

4. Depth of well (from top of well casisng) __22.0 ft.

5. Inside diameter of well __2.0__ in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well __21.0 gal.

8. Volume of water added (if any) ___0.0 gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☒ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. __12.68 ft.	__17.40 ft.
Date	b. 06/17/2019 (m m d d y y y y)	06/17/2019 (m m d d y y y y)
Time	c. 13:28 ☐ a.m. ☐ p.m.	14:06 ☐ a.m. ☐ p.m.
12. Sediment in well bottom	__1.0 inches	__0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Alex Last Name: Amundson
Firm: GZA GeoEnvironmental, Inc.

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Benne Last Name: Hutson
Facility/Firm: EnPro Holdings, Inc.
Street: 5606 Carnegie Boulevard
City/State/Zip: Charlotte, NC 28209

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Kevin M. Hedinger
Firm: GZA GeoEnvironmental, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Former Trent Tube Plant No. 1	Walworth	MW-40

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	65	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☒ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐ ___

3. Time spent developing well 30 min.

4. Depth of well (from top of well casisng) 20.5 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing ___.__ gal.

7. Volume of water removed from well 150.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☒ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 12.46 ft.	13.68 ft.
Date	b. 06/17/2019 (m m d d y y y y)	06/17/2019
Time	c. 11:12 ☐ a.m. ☐ p.m.	11:40 ☐ a.m. ☐ p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☒ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	___.__ mg/l	___.__ mg/l
15. COD	___.__ mg/l	___.__ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Alex Last Name: Amundson
Firm: GZA GeoEnvironmental, Inc.

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Benne Last Name: Hutson
Facility/Firm: EnPro Holdings, Inc.
Street: 5606 Carnegie Boulevard
City/State/Zip: Charlotte, NC 28209

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: K M
Print Name: Kevin M. Hedinger
Firm: GZA GeoEnvironmental, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Former Trent Tube Plant No. 1	Walworth	MW-41

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	65	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐	41
surged with bailer and pumped	☒	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	__

3. Time spent developing well __30 min.

4. Depth of well (from top of well casisng) __22.2 ft.

5. Inside diameter of well __2.0__ in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well __190.0 gal.

8. Volume of water added (if any) __0.0 gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☒ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. __12.12 ft.	__12.94 ft.
Date	b. 06/17/2019 (m m d d y y y y)	06/17/2019 (m m d d y y y y)
Time	c. 10:40 ☐ a.m. ☐ p.m.	11:08 ☐ a.m. ☐ p.m.
12. Sediment in well bottom	__3.0 inches	__0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☐ 15 (Describe)	Clear ☒ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Alex Last Name: Amundson
Firm: GZA GeoEnvironmental, Inc.

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Benne Last Name: Hutson
Facility/Firm: EnPro Holdings, Inc.
Street: 5606 Carnegie Boulevard
City/State/Zip: Charlotte, NC 28209

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: KMH
Print Name: Kevin M. Hedinger
Firm: GZA GeoEnvironmental, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Former Trent Tube Plant No. 1	Walworth	MW-42

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	65	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☒ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐ ___

3. Time spent developing well 30 min.

4. Depth of well (from top of well casisng) 22.3 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing ___.__ gal.

7. Volume of water removed from well 15.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☒ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 11.58 ft.	13.18 ft.
Date	b. 06/17/2019 (mm/dd/yyyy)	06/17/2019 (mm/dd/yyyy)
Time	c. 10:06 ☐ a.m. ☐ p.m.	10:35 ☐ a.m. ☐ p.m.
12. Sediment in well bottom	1.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☒ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	___.__ mg/l	___.__ mg/l
15. COD	___.__ mg/l	___.__ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Alex Last Name: Amundson
Firm: GZA GeoEnvironmental, Inc.

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Benne Last Name: Hutson
Facility/Firm: EnPro Holdings, Inc.
Street: 5606 Carnegie Boulevard
City/State/Zip: Charlotte, NC 28209

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Kevin M. Hedinger
Firm: GZA GeoEnvironmental, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

ATTACHMENT 3

Laboratory Analytical Reports and Chain-of-Custody Forms

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

June 27, 2019

Kevin Hedinger
GZA
20900 Swenson Drive
Suite 150
Waukesha, WI 53186

RE: Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Dear Kevin Hedinger:
Enclosed are the analytical results for sample(s) received by the laboratory on June 19, 2019. 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,

Christopher Hyska

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40189699001	**MW-13R**	Water	06/18/19 08:30	06/19/19 09:45
40189699002	**OP-9**	Water	06/18/19 08:35	06/19/19 09:45
40189699003	**MW-12**	Water	06/18/19 09:29	06/19/19 09:45
40189699004	**OP-11**	Water	06/18/19 10:15	06/19/19 09:45
40189699005	**MW-15**	Water	06/18/19 10:56	06/19/19 09:45
40189699006	**MW-20**	Water	06/18/19 12:36	06/19/19 09:45
40189699007	**MW-8**	Water	06/18/19 13:28	06/19/19 09:45
40189699008	**MW-7R**	Water	06/18/19 14:26	06/19/19 09:45
40189699009	**RW-15**	Water	06/18/19 11:54	06/19/19 09:45
40189699010	**DUP-1**	Water	06/18/19 14:35	06/19/19 09:45
40189699011	**MW-37R**	Water	06/18/19 14:28	06/19/19 09:45
40189699012	**MW-17R**	Water	06/18/19 15:56	06/19/19 09:45
40189699013	**MW-16**	Water	06/18/19 12:15	06/19/19 09:45
40189699014	**DUP-2**	Water	06/18/19 00:00	06/19/19 09:45
40189699015	**MW-40**	Water	06/18/19 10:59	06/19/19 09:45
40189699016	**MW-18R**	Water	06/18/19 13:50	06/19/19 09:45
40189699017	**MW-39**	Water	06/18/19 10:20	06/19/19 09:45
40189699018	**TRIP-1**	Water	06/18/19 00:00	06/19/19 09:45
40189699019	**TRIP-2**	Water	06/18/19 00:00	06/19/19 09:45

Pace Analytical Services, LLC
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Green Bay, WI 54302
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SAMPLE ANALYTE COUNT

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40189699001	**MW-13R**	EPA 8260	HNW	64	PASI-G
40189699002	**OP-9**	EPA 8015B Modified	ALD	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
40189699003	**MW-12**	EPA 8015B Modified	ALD	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
40189699004	**OP-11**	EPA 8260	HNW	64	PASI-G
40189699005	**MW-15**	EPA 8015B Modified	ALD	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
40189699006	**MW-20**	EPA 8015B Modified	ALD	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
40189699007	**MW-8**	EPA 8260	HNW	64	PASI-G
40189699008	**MW-7R**	EPA 8015B Modified	ALD	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40189699009	**RW-15**	EPA 8260	HNW	64	PASI-G
40189699010	**DUP-1**	EPA 8260	HNW	64	PASI-G
40189699011	**MW-37R**	EPA 8015B Modified	ALD	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
40189699012	**MW-17R**	EPA 8015B Modified	ALD	2	PASI-G

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
40189699013	**MW-16**	EPA 8015B Modified	ALD	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40189699014	**DUP-2**	EPA 8260	HNW	64	PASI-G
40189699015	**MW-40**	EPA 8260	HNW, LAP	64	PASI-G
40189699016	**MW-18R**	EPA 8260	HNW, LAP	64	PASI-G
40189699017	**MW-39**	EPA 8260	HNW	64	PASI-G
40189699018	**TRIP-1**	EPA 8260	HNW	64	PASI-G
40189699019	**TRIP-2**	EPA 8260	HNW	64	PASI-G

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189699001	**MW-13R**					
EPA 8260	1,1-Dichloroethane	1.8	ug/L	1.0	06/20/19 17:15	
EPA 8260	Tetrachloroethene	1.4	ug/L	1.1	06/20/19 17:15	
EPA 8260	Trichloroethene	0.37J	ug/L	1.0	06/20/19 17:15	
EPA 8260	Vinyl chloride	10.8	ug/L	1.0	06/20/19 17:15	
EPA 8260	cis-1,2-Dichloroethene	4.2	ug/L	1.0	06/20/19 17:15	
EPA 8260	trans-1,2-Dichloroethene	1.3J	ug/L	3.6	06/20/19 17:15	
40189699002	**OP-9**					
EPA 8015B Modified	Ethane	2.9J	ug/L	5.6	06/20/19 08:58	
EPA 8015B Modified	Ethene	2.8J	ug/L	5.0	06/20/19 08:58	
EPA 6010	Iron, Dissolved	7020	ug/L	118	06/25/19 22:33	
EPA 6010	Manganese, Dissolved	2260	ug/L	5.0	06/25/19 22:33	
EPA 8260	1,1-Dichloroethane	0.73J	ug/L	1.0	06/20/19 12:17	
EPA 8260	1,1-Dichloroethene	0.93J	ug/L	1.0	06/20/19 12:17	
EPA 8260	Tetrachloroethene	2.0	ug/L	1.1	06/20/19 12:17	
EPA 8260	Trichloroethene	3.0	ug/L	1.0	06/20/19 12:17	
EPA 8260	Vinyl chloride	36.4	ug/L	1.0	06/20/19 12:17	
EPA 8260	cis-1,2-Dichloroethene	16.5	ug/L	1.0	06/20/19 12:17	
EPA 8260	trans-1,2-Dichloroethene	9.4	ug/L	3.6	06/20/19 12:17	
EPA 300.0	Sulfate	500	mg/L	30.0	06/20/19 11:26	
EPA 310.2	Alkalinity, Total as CaCO3	490	mg/L	47.0	06/21/19 10:11	
40189699003	**MW-12**					
EPA 8015B Modified	Ethane	15.4	ug/L	5.6	06/20/19 09:05	
EPA 8015B Modified	Ethene	1.4J	ug/L	5.0	06/20/19 09:05	
EPA 6010	Iron, Dissolved	18200	ug/L	118	06/25/19 22:40	
EPA 6010	Manganese, Dissolved	131	ug/L	5.0	06/25/19 22:40	
EPA 8260	Tetrachloroethene	0.63J	ug/L	1.1	06/20/19 15:44	
EPA 8260	Vinyl chloride	0.34J	ug/L	1.0	06/20/19 15:44	
EPA 310.2	Alkalinity, Total as CaCO3	540	mg/L	47.0	06/21/19 10:13	
40189699004	**OP-11**					
EPA 8260	1,1-Dichloroethane	1.2	ug/L	1.0	06/21/19 13:33	
EPA 8260	Benzene	0.46J	ug/L	1.0	06/21/19 13:33	
EPA 8260	Tetrachloroethene	0.99J	ug/L	1.1	06/21/19 13:33	
EPA 8260	Vinyl chloride	52.8	ug/L	1.0	06/21/19 13:33	
EPA 8260	cis-1,2-Dichloroethene	2.0	ug/L	1.0	06/21/19 13:33	
40189699005	**MW-15**					
EPA 8015B Modified	Ethene	1.3J	ug/L	5.0	06/20/19 09:12	
EPA 6010	Manganese, Dissolved	6.2	ug/L	5.0	06/25/19 22:42	
EPA 8260	1,1,1-Trichloroethane	32.4	ug/L	1.0	06/20/19 16:07	
EPA 8260	1,1-Dichloroethane	19.6	ug/L	1.0	06/20/19 16:07	
EPA 8260	Tetrachloroethene	0.73J	ug/L	1.1	06/20/19 16:07	
EPA 8260	Trichloroethene	1.9	ug/L	1.0	06/20/19 16:07	
EPA 8260	Vinyl chloride	0.33J	ug/L	1.0	06/20/19 16:07	
EPA 8260	cis-1,2-Dichloroethene	1.7	ug/L	1.0	06/20/19 16:07	
EPA 300.0	Sulfate	107	mg/L	15.0	06/20/19 11:39	
EPA 310.2	Alkalinity, Total as CaCO3	722	mg/L	47.0	06/21/19 10:14	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189699006	**MW-20**					
EPA 6010	Iron, Dissolved	409	ug/L	118	06/25/19 22:45	
EPA 6010	Manganese, Dissolved	914	ug/L	5.0	06/25/19 22:45	
EPA 8260	Tetrachloroethene	0.43J	ug/L	1.1	06/20/19 16:30	
EPA 8260	cis-1,2-Dichloroethene	0.32J	ug/L	1.0	06/20/19 16:30	
EPA 300.0	Sulfate	35.1	mg/L	3.0	06/19/19 19:23	
EPA 310.2	Alkalinity, Total as CaCO3	482	mg/L	47.0	06/21/19 10:15	
40189699007	**MW-8**					
EPA 8260	Tetrachloroethene	0.55J	ug/L	1.1	06/20/19 17:38	
40189699008	**MW-7R**					
EPA 8015B Modified	Ethane	1.8J	ug/L	5.6	06/20/19 09:26	
EPA 6010	Iron, Dissolved	10300	ug/L	118	06/25/19 22:47	
EPA 6010	Manganese, Dissolved	689	ug/L	5.0	06/25/19 22:47	
EPA 8260	1,1-Dichloroethane	1.1	ug/L	1.0	06/20/19 16:52	
EPA 8260	Trichloroethene	0.41J	ug/L	1.0	06/20/19 16:52	
EPA 8260	Vinyl chloride	0.69J	ug/L	1.0	06/20/19 16:52	
EPA 8260	cis-1,2-Dichloroethene	1.5	ug/L	1.0	06/20/19 16:52	
EPA 300.0	Sulfate	52.2	mg/L	15.0	06/19/19 19:36	
EPA 310.2	Alkalinity, Total as CaCO3	570	mg/L	47.0	06/21/19 10:15	
SM 5310C	Total Organic Carbon	6.7	mg/L	5.0	06/21/19 13:01	
40189699009	**RW-15**					
EPA 8260	1,1-Dichloroethane	0.41J	ug/L	1.0	06/20/19 18:01	
EPA 8260	Tetrachloroethene	0.55J	ug/L	1.1	06/20/19 18:01	
EPA 8260	Trichloroethene	0.36J	ug/L	1.0	06/20/19 18:01	
EPA 8260	Vinyl chloride	0.40J	ug/L	1.0	06/20/19 18:01	
EPA 8260	cis-1,2-Dichloroethene	1.2	ug/L	1.0	06/20/19 18:01	
40189699010	**DUP-1**					
EPA 8260	1,1-Dichloroethane	1.4	ug/L	1.0	06/20/19 18:24	
EPA 8260	Tetrachloroethene	0.40J	ug/L	1.1	06/20/19 18:24	
EPA 8260	Trichloroethene	0.41J	ug/L	1.0	06/20/19 18:24	
EPA 8260	Vinyl chloride	0.56J	ug/L	1.0	06/20/19 18:24	
EPA 8260	cis-1,2-Dichloroethene	1.5	ug/L	1.0	06/20/19 18:24	
40189699011	**MW-37R**					
EPA 8260	Tetrachloroethene	0.65J	ug/L	1.1	06/20/19 18:47	
EPA 8260	Trichloroethene	1.8	ug/L	1.0	06/20/19 18:47	
EPA 300.0	Sulfate	13.0	mg/L	3.0	06/19/19 19:50	
EPA 310.2	Alkalinity, Total as CaCO3	178	mg/L	23.5	06/21/19 10:16	
40189699012	**MW-17R**					
EPA 8015B Modified	Ethene	0.97J	ug/L	5.0	06/20/19 10:05	
EPA 8260	Trichloroethene	412	ug/L	10.0	06/20/19 13:03	
EPA 8260	Vinyl chloride	16.2	ug/L	10.0	06/20/19 13:03	
EPA 8260	cis-1,2-Dichloroethene	253	ug/L	10.0	06/20/19 13:03	
EPA 8260	trans-1,2-Dichloroethene	13.4J	ug/L	36.4	06/20/19 13:03	
EPA 300.0	Sulfate	169	mg/L	30.0	06/20/19 11:52	
EPA 310.2	Alkalinity, Total as CaCO3	156	mg/L	47.0	06/21/19 10:16	M0

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SUMMARY OF DETECTION

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189699013	**MW-16**					
EPA 6010	Iron, Dissolved	281	ug/L	118	06/25/19 22:55	
EPA 6010	Manganese, Dissolved	42.4	ug/L	5.0	06/25/19 22:55	
EPA 8260	1,1,1-Trichloroethane	953	ug/L	20.0	06/20/19 13:26	
EPA 8260	1,1-Dichloroethane	80.1	ug/L	20.0	06/20/19 13:26	
EPA 8260	1,1-Dichloroethene	9.0J	ug/L	20.0	06/20/19 13:26	
EPA 8260	Trichloroethene	38.6	ug/L	20.0	06/20/19 13:26	
EPA 8260	cis-1,2-Dichloroethene	177	ug/L	20.0	06/20/19 13:26	
EPA 300.0	Sulfate	45.1	mg/L	15.0	06/20/19 10:46	
EPA 310.2	Alkalinity, Total as CaCO3	426	mg/L	47.0	06/21/19 10:18	
SM 5310C	Total Organic Carbon	3.0	mg/L	1.7	06/21/19 14:04	
40189699014	**DUP-2**					
EPA 8260	1,1-Dichloroethane	1.5J	ug/L	2.0	06/20/19 13:49	
EPA 8260	1,1-Dichloroethene	1.0J	ug/L	2.0	06/20/19 13:49	
EPA 8260	Tetrachloroethene	1.9J	ug/L	2.2	06/20/19 13:49	
EPA 8260	Trichloroethene	491	ug/L	2.0	06/20/19 13:49	
EPA 8260	Vinyl chloride	13.6	ug/L	2.0	06/20/19 13:49	
EPA 8260	cis-1,2-Dichloroethene	259	ug/L	2.0	06/20/19 13:49	
EPA 8260	trans-1,2-Dichloroethene	11.5	ug/L	7.3	06/20/19 13:49	
40189699015	**MW-40**					
EPA 8260	1,1,1-Trichloroethane	8410	ug/L	100	06/21/19 07:53	
EPA 8260	1,1,2-Trichloroethane	4.7J	ug/L	20.0	06/20/19 14:12	
EPA 8260	1,1-Dichloroethane	528	ug/L	4.0	06/20/19 14:12	
EPA 8260	1,1-Dichloroethene	170	ug/L	4.0	06/20/19 14:12	
EPA 8260	Tetrachloroethene	3.2J	ug/L	4.4	06/20/19 14:12	
EPA 8260	Trichloroethene	248	ug/L	4.0	06/20/19 14:12	
EPA 8260	Vinyl chloride	0.90J	ug/L	4.0	06/20/19 14:12	
EPA 8260	cis-1,2-Dichloroethene	508	ug/L	4.0	06/20/19 14:12	
40189699016	**MW-18R**					
EPA 8260	1,1-Dichloroethane	6.7J	ug/L	20.0	06/20/19 14:35	
EPA 8260	1,1-Dichloroethene	10.2J	ug/L	20.0	06/20/19 14:35	
EPA 8260	Trichloroethene	5150	ug/L	20.0	06/20/19 14:35	
EPA 8260	Vinyl chloride	33.8	ug/L	20.0	06/20/19 14:35	
EPA 8260	cis-1,2-Dichloroethene	2390	ug/L	20.0	06/20/19 14:35	
EPA 8260	trans-1,2-Dichloroethene	23.0J	ug/L	72.7	06/20/19 14:35	
40189699017	**MW-39**					
EPA 8260	1,1,1-Trichloroethane	120	ug/L	10.0	06/20/19 14:58	
EPA 8260	1,1-Dichloroethane	45.2	ug/L	10.0	06/20/19 14:58	
EPA 8260	1,1-Dichloroethene	33.4	ug/L	10.0	06/20/19 14:58	
EPA 8260	Trichloroethene	839	ug/L	10.0	06/20/19 14:58	
EPA 8260	Vinyl chloride	3.1J	ug/L	10.0	06/20/19 14:58	
EPA 8260	cis-1,2-Dichloroethene	200	ug/L	10.0	06/20/19 14:58	
EPA 8260	trans-1,2-Dichloroethene	31.3J	ug/L	36.4	06/20/19 14:58	

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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-13R **Lab ID: 40189699001** Collected: 06/18/19 08:30 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/20/19 17:15	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/20/19 17:15	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 17:15	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/20/19 17:15	79-00-5	
1,1-Dichloroethane	**1.8**	ug/L	1.0	0.27	1		06/20/19 17:15	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 17:15	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/20/19 17:15	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/20/19 17:15	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/20/19 17:15	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/20/19 17:15	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/20/19 17:15	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/20/19 17:15	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/20/19 17:15	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 17:15	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 17:15	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 17:15	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/20/19 17:15	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/20/19 17:15	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/20/19 17:15	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/20/19 17:15	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/20/19 17:15	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/20/19 17:15	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/20/19 17:15	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/20/19 17:15	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 17:15	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/20/19 17:15	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/20/19 17:15	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/20/19 17:15	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/20/19 17:15	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/20/19 17:15	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 17:15	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/20/19 17:15	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/20/19 17:15	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/20/19 17:15	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/20/19 17:15	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/20/19 17:15	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/20/19 17:15	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/20/19 17:15	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/20/19 17:15	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 17:15	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/20/19 17:15	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/20/19 17:15	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/20/19 17:15	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 17:15	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/20/19 17:15	100-42-5	
Tetrachloroethene	**1.4**	ug/L	1.1	0.33	1		06/20/19 17:15	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-13R **Lab ID: 40189699001** Collected: 06/18/19 08:30 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/20/19 17:15	108-88-3	
Trichloroethene	**0.37J**	ug/L	1.0	0.26	1		06/20/19 17:15	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/20/19 17:15	75-69-4	
Vinyl chloride	**10.8**	ug/L	1.0	0.17	1		06/20/19 17:15	75-01-4	
cis-1,2-Dichloroethene	**4.2**	ug/L	1.0	0.27	1		06/20/19 17:15	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/20/19 17:15	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/20/19 17:15	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 17:15	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/20/19 17:15	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/20/19 17:15	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/20/19 17:15	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/20/19 17:15	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/20/19 17:15	98-06-6	
trans-1,2-Dichloroethene	**1.3J**	ug/L	3.6	1.1	1		06/20/19 17:15	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/20/19 17:15	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		06/20/19 17:15	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		06/20/19 17:15	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/20/19 17:15	2037-26-5	

Sample: OP-9 **Lab ID: 40189699002** Collected: 06/18/19 08:35 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**2.9J**	ug/L	5.6	0.58	1		06/20/19 08:58	74-84-0	
Ethene	**2.8J**	ug/L	5.0	0.52	1		06/20/19 08:58	74-85-1	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Iron, Dissolved	**7020**	ug/L	118	35.4	1		06/25/19 22:33	7439-89-6	
Manganese, Dissolved	**2260**	ug/L	5.0	1.1	1		06/25/19 22:33	7439-96-5	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/20/19 12:17	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/20/19 12:17	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 12:17	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/20/19 12:17	79-00-5	
1,1-Dichloroethane	**0.73J**	ug/L	1.0	0.27	1		06/20/19 12:17	75-34-3	
1,1-Dichloroethene	**0.93J**	ug/L	1.0	0.24	1		06/20/19 12:17	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/20/19 12:17	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/20/19 12:17	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/20/19 12:17	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/20/19 12:17	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/20/19 12:17	95-63-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: OP-9 **Lab ID: 40189699002** Collected: 06/18/19 08:35 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/20/19 12:17	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/20/19 12:17	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 12:17	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 12:17	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 12:17	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/20/19 12:17	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/20/19 12:17	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/20/19 12:17	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/20/19 12:17	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/20/19 12:17	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/20/19 12:17	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/20/19 12:17	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/20/19 12:17	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 12:17	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/20/19 12:17	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/20/19 12:17	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/20/19 12:17	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/20/19 12:17	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/20/19 12:17	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 12:17	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/20/19 12:17	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/20/19 12:17	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/20/19 12:17	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/20/19 12:17	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/20/19 12:17	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/20/19 12:17	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/20/19 12:17	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/20/19 12:17	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 12:17	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/20/19 12:17	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/20/19 12:17	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/20/19 12:17	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 12:17	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/20/19 12:17	100-42-5	
Tetrachloroethene	**2.0**	ug/L	1.1	0.33	1		06/20/19 12:17	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/20/19 12:17	108-88-3	
Trichloroethene	**3.0**	ug/L	1.0	0.26	1		06/20/19 12:17	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/20/19 12:17	75-69-4	
Vinyl chloride	**36.4**	ug/L	1.0	0.17	1		06/20/19 12:17	75-01-4	
cis-1,2-Dichloroethene	**16.5**	ug/L	1.0	0.27	1		06/20/19 12:17	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/20/19 12:17	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/20/19 12:17	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 12:17	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/20/19 12:17	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/20/19 12:17	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/20/19 12:17	99-87-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: OP-9 **Lab ID: 40189699002** Collected: 06/18/19 08:35 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/20/19 12:17	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/20/19 12:17	98-06-6	
trans-1,2-Dichloroethene	**9.4**	ug/L	3.6	1.1	1		06/20/19 12:17	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/20/19 12:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		06/20/19 12:17	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		06/20/19 12:17	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/20/19 12:17	2037-26-5	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**<0.075**	mg/L	0.22	0.075	1		06/19/19 18:04	14797-55-8	
Sulfate	**500**	mg/L	30.0	10.0	10		06/20/19 11:26	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**490**	mg/L	47.0	14.1	2		06/21/19 10:11		

Sample: MW-12 **Lab ID: 40189699003** Collected: 06/18/19 09:29 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**15.4**	ug/L	5.6	0.58	1		06/20/19 09:05	74-84-0	
Ethene	**1.4J**	ug/L	5.0	0.52	1		06/20/19 09:05	74-85-1	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Iron, Dissolved	**18200**	ug/L	118	35.4	1		06/25/19 22:40	7439-89-6	
Manganese, Dissolved	**131**	ug/L	5.0	1.1	1		06/25/19 22:40	7439-96-5	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/20/19 15:44	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/20/19 15:44	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 15:44	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/20/19 15:44	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/20/19 15:44	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 15:44	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/20/19 15:44	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/20/19 15:44	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/20/19 15:44	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/20/19 15:44	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/20/19 15:44	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/20/19 15:44	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/20/19 15:44	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 15:44	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 15:44	107-06-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-12 **Lab ID: 40189699003** Collected: 06/18/19 09:29 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 15:44	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/20/19 15:44	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/20/19 15:44	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/20/19 15:44	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/20/19 15:44	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/20/19 15:44	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/20/19 15:44	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/20/19 15:44	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/20/19 15:44	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 15:44	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/20/19 15:44	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/20/19 15:44	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/20/19 15:44	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/20/19 15:44	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/20/19 15:44	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 15:44	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/20/19 15:44	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/20/19 15:44	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/20/19 15:44	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/20/19 15:44	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/20/19 15:44	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/20/19 15:44	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/20/19 15:44	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/20/19 15:44	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 15:44	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/20/19 15:44	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/20/19 15:44	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/20/19 15:44	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 15:44	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/20/19 15:44	100-42-5	
Tetrachloroethene	**0.63J**	ug/L	1.1	0.33	1		06/20/19 15:44	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/20/19 15:44	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/20/19 15:44	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/20/19 15:44	75-69-4	
Vinyl chloride	**0.34J**	ug/L	1.0	0.17	1		06/20/19 15:44	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		06/20/19 15:44	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/20/19 15:44	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/20/19 15:44	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 15:44	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/20/19 15:44	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/20/19 15:44	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/20/19 15:44	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/20/19 15:44	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/20/19 15:44	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/20/19 15:44	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/20/19 15:44	10061-02-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-12 **Lab ID: 40189699003** Collected: 06/18/19 09:29 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/20/19 15:44	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		1		06/20/19 15:44	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/20/19 15:44	2037-26-5	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**<0.38**	mg/L	1.1	0.38	5		06/19/19 18:57	14797-55-8	D3
Sulfate	**<5.0**	mg/L	15.0	5.0	5		06/19/19 18:57	14808-79-8	D3
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**540**	mg/L	47.0	14.1	2		06/21/19 10:13		

Sample: OP-11 **Lab ID: 40189699004** Collected: 06/18/19 10:15 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/21/19 13:33	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/21/19 13:33	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 13:33	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/21/19 13:33	79-00-5	
1,1-Dichloroethane	**1.2**	ug/L	1.0	0.27	1		06/21/19 13:33	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 13:33	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/21/19 13:33	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/21/19 13:33	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/21/19 13:33	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/21/19 13:33	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/21/19 13:33	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/21/19 13:33	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/21/19 13:33	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 13:33	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 13:33	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 13:33	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/21/19 13:33	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/21/19 13:33	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/21/19 13:33	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/21/19 13:33	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/21/19 13:33	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/21/19 13:33	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/21/19 13:33	106-43-4	
Benzene	**0.46J**	ug/L	1.0	0.25	1		06/21/19 13:33	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 13:33	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/21/19 13:33	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/21/19 13:33	75-27-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: OP-11 **Lab ID: 40189699004** Collected: 06/18/19 10:15 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/21/19 13:33	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/21/19 13:33	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/21/19 13:33	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 13:33	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/21/19 13:33	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/21/19 13:33	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/21/19 13:33	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/21/19 13:33	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/21/19 13:33	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/21/19 13:33	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/21/19 13:33	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/21/19 13:33	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 13:33	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/21/19 13:33	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/21/19 13:33	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/21/19 13:33	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 13:33	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/21/19 13:33	100-42-5	
Tetrachloroethene	**0.99J**	ug/L	1.1	0.33	1		06/21/19 13:33	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/21/19 13:33	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 13:33	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/21/19 13:33	75-69-4	
Vinyl chloride	**52.8**	ug/L	1.0	0.17	1		06/21/19 13:33	75-01-4	
cis-1,2-Dichloroethene	**2.0**	ug/L	1.0	0.27	1		06/21/19 13:33	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/21/19 13:33	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/21/19 13:33	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 13:33	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/21/19 13:33	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 13:33	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/21/19 13:33	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/21/19 13:33	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/21/19 13:33	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/21/19 13:33	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/21/19 13:33	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/21/19 13:33	460-00-4	
Dibromofluoromethane (S)	113	%	70-130		1		06/21/19 13:33	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/21/19 13:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-15 **Lab ID: 40189699005** Collected: 06/18/19 10:56 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**<0.58**	ug/L	5.6	0.58	1		06/20/19 09:12	74-84-0	
Ethene	**1.3J**	ug/L	5.0	0.52	1		06/20/19 09:12	74-85-1	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Iron, Dissolved	**<35.4**	ug/L	118	35.4	1		06/25/19 22:42	7439-89-6	
Manganese, Dissolved	**6.2**	ug/L	5.0	1.1	1		06/25/19 22:42	7439-96-5	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/20/19 16:07	630-20-6	
1,1,1-Trichloroethane	**32.4**	ug/L	1.0	0.24	1		06/20/19 16:07	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 16:07	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/20/19 16:07	79-00-5	
1,1-Dichloroethane	**19.6**	ug/L	1.0	0.27	1		06/20/19 16:07	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 16:07	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/20/19 16:07	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/20/19 16:07	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/20/19 16:07	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/20/19 16:07	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/20/19 16:07	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/20/19 16:07	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/20/19 16:07	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 16:07	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 16:07	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 16:07	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/20/19 16:07	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/20/19 16:07	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/20/19 16:07	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/20/19 16:07	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/20/19 16:07	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/20/19 16:07	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/20/19 16:07	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/20/19 16:07	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 16:07	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/20/19 16:07	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/20/19 16:07	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/20/19 16:07	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/20/19 16:07	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/20/19 16:07	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 16:07	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/20/19 16:07	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/20/19 16:07	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/20/19 16:07	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/20/19 16:07	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/20/19 16:07	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/20/19 16:07	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/20/19 16:07	108-20-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-15 **Lab ID: 40189699005** Collected: 06/18/19 10:56 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/20/19 16:07	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 16:07	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/20/19 16:07	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/20/19 16:07	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/20/19 16:07	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 16:07	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/20/19 16:07	100-42-5	
Tetrachloroethene	**0.73J**	ug/L	1.1	0.33	1		06/20/19 16:07	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/20/19 16:07	108-88-3	
Trichloroethene	**1.9**	ug/L	1.0	0.26	1		06/20/19 16:07	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/20/19 16:07	75-69-4	
Vinyl chloride	**0.33J**	ug/L	1.0	0.17	1		06/20/19 16:07	75-01-4	
cis-1,2-Dichloroethene	**1.7**	ug/L	1.0	0.27	1		06/20/19 16:07	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/20/19 16:07	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/20/19 16:07	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 16:07	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/20/19 16:07	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/20/19 16:07	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/20/19 16:07	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/20/19 16:07	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/20/19 16:07	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/20/19 16:07	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/20/19 16:07	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		06/20/19 16:07	460-00-4	
Dibromofluoromethane (S)	113	%	70-130		1		06/20/19 16:07	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/20/19 16:07	2037-26-5	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**<0.075**	mg/L	0.22	0.075	1		06/19/19 19:10	14797-55-8	
Sulfate	**107**	mg/L	15.0	5.0	5		06/20/19 11:39	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**722**	mg/L	47.0	14.1	2		06/21/19 10:14		

Sample: MW-20 **Lab ID: 40189699006** Collected: 06/18/19 12:36 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**<0.58**	ug/L	5.6	0.58	1		06/20/19 09:19	74-84-0	
Ethene	**<0.52**	ug/L	5.0	0.52	1		06/20/19 09:19	74-85-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-20 **Lab ID: 40189699006** Collected: 06/18/19 12:36 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Iron, Dissolved	**409**	ug/L	118	35.4	1		06/25/19 22:45	7439-89-6	
Manganese, Dissolved	**914**	ug/L	5.0	1.1	1		06/25/19 22:45	7439-96-5	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/20/19 16:30	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/20/19 16:30	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 16:30	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/20/19 16:30	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/20/19 16:30	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 16:30	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/20/19 16:30	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/20/19 16:30	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/20/19 16:30	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/20/19 16:30	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/20/19 16:30	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/20/19 16:30	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/20/19 16:30	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 16:30	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 16:30	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 16:30	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/20/19 16:30	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/20/19 16:30	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/20/19 16:30	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/20/19 16:30	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/20/19 16:30	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/20/19 16:30	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/20/19 16:30	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/20/19 16:30	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 16:30	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/20/19 16:30	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/20/19 16:30	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/20/19 16:30	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/20/19 16:30	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/20/19 16:30	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 16:30	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/20/19 16:30	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/20/19 16:30	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/20/19 16:30	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/20/19 16:30	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/20/19 16:30	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/20/19 16:30	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/20/19 16:30	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/20/19 16:30	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 16:30	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/20/19 16:30	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/20/19 16:30	1634-04-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-20 **Lab ID: 40189699006** Collected: 06/18/19 12:36 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/20/19 16:30	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 16:30	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/20/19 16:30	100-42-5	
Tetrachloroethene	**0.43J**	ug/L	1.1	0.33	1		06/20/19 16:30	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/20/19 16:30	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/20/19 16:30	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/20/19 16:30	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/20/19 16:30	75-01-4	
cis-1,2-Dichloroethene	**0.32J**	ug/L	1.0	0.27	1		06/20/19 16:30	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/20/19 16:30	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/20/19 16:30	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 16:30	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/20/19 16:30	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/20/19 16:30	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/20/19 16:30	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/20/19 16:30	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/20/19 16:30	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/20/19 16:30	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/20/19 16:30	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/20/19 16:30	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		1		06/20/19 16:30	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		06/20/19 16:30	2037-26-5	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**<0.075**	mg/L	0.22	0.075	1		06/19/19 19:23	14797-55-8	
Sulfate	**35.1**	mg/L	3.0	1.0	1		06/19/19 19:23	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**482**	mg/L	47.0	14.1	2		06/21/19 10:15		

Sample: MW-8 **Lab ID: 40189699007** Collected: 06/18/19 13:28 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/20/19 17:38	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/20/19 17:38	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 17:38	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/20/19 17:38	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/20/19 17:38	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 17:38	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/20/19 17:38	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/20/19 17:38	87-61-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-8 **Lab ID: 40189699007** Collected: 06/18/19 13:28 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/20/19 17:38	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/20/19 17:38	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/20/19 17:38	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/20/19 17:38	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/20/19 17:38	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 17:38	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 17:38	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 17:38	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/20/19 17:38	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/20/19 17:38	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/20/19 17:38	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/20/19 17:38	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/20/19 17:38	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/20/19 17:38	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/20/19 17:38	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/20/19 17:38	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 17:38	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/20/19 17:38	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/20/19 17:38	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/20/19 17:38	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/20/19 17:38	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/20/19 17:38	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 17:38	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/20/19 17:38	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/20/19 17:38	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/20/19 17:38	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/20/19 17:38	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/20/19 17:38	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/20/19 17:38	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/20/19 17:38	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/20/19 17:38	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 17:38	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/20/19 17:38	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/20/19 17:38	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/20/19 17:38	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 17:38	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/20/19 17:38	100-42-5	
Tetrachloroethene	**0.55J**	ug/L	1.1	0.33	1		06/20/19 17:38	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/20/19 17:38	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/20/19 17:38	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/20/19 17:38	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/20/19 17:38	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		06/20/19 17:38	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/20/19 17:38	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/20/19 17:38	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 17:38	104-51-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-8 **Lab ID: 40189699007** Collected: 06/18/19 13:28 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/20/19 17:38	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/20/19 17:38	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/20/19 17:38	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/20/19 17:38	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/20/19 17:38	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/20/19 17:38	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/20/19 17:38	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/20/19 17:38	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		06/20/19 17:38	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/20/19 17:38	2037-26-5	

Sample: MW-7R **Lab ID: 40189699008** Collected: 06/18/19 14:26 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**1.8J**	ug/L	5.6	0.58	1		06/20/19 09:26	74-84-0	
Ethene	**<0.52**	ug/L	5.0	0.52	1		06/20/19 09:26	74-85-1	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Iron, Dissolved	**10300**	ug/L	118	35.4	1		06/25/19 22:47	7439-89-6	
Manganese, Dissolved	**689**	ug/L	5.0	1.1	1		06/25/19 22:47	7439-96-5	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/20/19 16:52	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/20/19 16:52	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 16:52	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/20/19 16:52	79-00-5	
1,1-Dichloroethane	**1.1**	ug/L	1.0	0.27	1		06/20/19 16:52	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 16:52	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/20/19 16:52	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/20/19 16:52	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/20/19 16:52	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/20/19 16:52	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/20/19 16:52	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/20/19 16:52	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/20/19 16:52	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 16:52	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 16:52	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 16:52	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/20/19 16:52	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/20/19 16:52	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/20/19 16:52	142-28-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-7R **Lab ID: 40189699008** Collected: 06/18/19 14:26 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/20/19 16:52	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/20/19 16:52	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/20/19 16:52	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/20/19 16:52	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/20/19 16:52	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 16:52	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/20/19 16:52	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/20/19 16:52	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/20/19 16:52	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/20/19 16:52	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/20/19 16:52	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 16:52	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/20/19 16:52	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/20/19 16:52	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/20/19 16:52	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/20/19 16:52	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/20/19 16:52	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/20/19 16:52	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/20/19 16:52	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/20/19 16:52	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 16:52	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/20/19 16:52	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/20/19 16:52	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/20/19 16:52	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 16:52	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/20/19 16:52	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		06/20/19 16:52	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/20/19 16:52	108-88-3	
Trichloroethene	**0.41J**	ug/L	1.0	0.26	1		06/20/19 16:52	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/20/19 16:52	75-69-4	
Vinyl chloride	**0.69J**	ug/L	1.0	0.17	1		06/20/19 16:52	75-01-4	
cis-1,2-Dichloroethene	**1.5**	ug/L	1.0	0.27	1		06/20/19 16:52	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/20/19 16:52	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/20/19 16:52	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 16:52	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/20/19 16:52	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/20/19 16:52	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/20/19 16:52	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/20/19 16:52	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/20/19 16:52	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/20/19 16:52	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/20/19 16:52	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/20/19 16:52	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		06/20/19 16:52	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		06/20/19 16:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-7R **Lab ID: 40189699008** Collected: 06/18/19 14:26 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**<0.38**	mg/L	1.1	0.38	5		06/19/19 19:36	14797-55-8	D3
Sulfate	**52.2**	mg/L	15.0	5.0	5		06/19/19 19:36	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**570**	mg/L	47.0	14.1	2		06/21/19 10:15		
5310C TOC	Analytical Method: SM 5310C								
Total Organic Carbon	**6.7**	mg/L	5.0	1.5	6		06/21/19 13:01	7440-44-0	

Sample: RW-15 **Lab ID: 40189699009** Collected: 06/18/19 11:54 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/20/19 18:01	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/20/19 18:01	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 18:01	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/20/19 18:01	79-00-5	
1,1-Dichloroethane	**0.41J**	ug/L	1.0	0.27	1		06/20/19 18:01	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 18:01	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/20/19 18:01	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/20/19 18:01	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/20/19 18:01	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/20/19 18:01	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/20/19 18:01	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/20/19 18:01	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/20/19 18:01	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 18:01	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 18:01	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 18:01	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/20/19 18:01	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/20/19 18:01	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/20/19 18:01	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/20/19 18:01	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/20/19 18:01	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/20/19 18:01	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/20/19 18:01	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/20/19 18:01	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 18:01	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/20/19 18:01	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/20/19 18:01	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/20/19 18:01	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/20/19 18:01	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/20/19 18:01	56-23-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: RW-15 **Lab ID: 40189699009** Collected: 06/18/19 11:54 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 18:01	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/20/19 18:01	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/20/19 18:01	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/20/19 18:01	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/20/19 18:01	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/20/19 18:01	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/20/19 18:01	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/20/19 18:01	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/20/19 18:01	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 18:01	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/20/19 18:01	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/20/19 18:01	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/20/19 18:01	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 18:01	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/20/19 18:01	100-42-5	
Tetrachloroethene	**0.55J**	ug/L	1.1	0.33	1		06/20/19 18:01	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/20/19 18:01	108-88-3	
Trichloroethene	**0.36J**	ug/L	1.0	0.26	1		06/20/19 18:01	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/20/19 18:01	75-69-4	
Vinyl chloride	**0.40J**	ug/L	1.0	0.17	1		06/20/19 18:01	75-01-4	
cis-1,2-Dichloroethene	**1.2**	ug/L	1.0	0.27	1		06/20/19 18:01	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/20/19 18:01	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/20/19 18:01	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 18:01	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/20/19 18:01	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/20/19 18:01	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/20/19 18:01	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/20/19 18:01	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/20/19 18:01	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/20/19 18:01	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/20/19 18:01	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		06/20/19 18:01	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		1		06/20/19 18:01	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/20/19 18:01	2037-26-5	

Sample: DUP-1 **Lab ID: 40189699010** Collected: 06/18/19 14:35 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/20/19 18:24	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/20/19 18:24	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 18:24	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: DUP-1 **Lab ID: 40189699010** Collected: 06/18/19 14:35 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/20/19 18:24	79-00-5	
1,1-Dichloroethane	**1.4**	ug/L	1.0	0.27	1		06/20/19 18:24	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 18:24	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/20/19 18:24	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/20/19 18:24	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/20/19 18:24	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/20/19 18:24	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/20/19 18:24	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/20/19 18:24	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/20/19 18:24	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 18:24	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 18:24	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 18:24	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/20/19 18:24	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/20/19 18:24	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/20/19 18:24	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/20/19 18:24	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/20/19 18:24	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/20/19 18:24	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/20/19 18:24	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/20/19 18:24	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 18:24	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/20/19 18:24	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/20/19 18:24	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/20/19 18:24	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/20/19 18:24	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/20/19 18:24	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 18:24	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/20/19 18:24	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/20/19 18:24	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/20/19 18:24	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/20/19 18:24	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/20/19 18:24	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/20/19 18:24	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/20/19 18:24	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/20/19 18:24	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 18:24	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/20/19 18:24	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/20/19 18:24	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/20/19 18:24	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 18:24	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/20/19 18:24	100-42-5	
Tetrachloroethene	**0.40J**	ug/L	1.1	0.33	1		06/20/19 18:24	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/20/19 18:24	108-88-3	
Trichloroethene	**0.41J**	ug/L	1.0	0.26	1		06/20/19 18:24	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/20/19 18:24	75-69-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: DUP-1 **Lab ID: 40189699010** Collected: 06/18/19 14:35 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Vinyl chloride	**0.56J**	ug/L	1.0	0.17	1		06/20/19 18:24	75-01-4	
cis-1,2-Dichloroethene	**1.5**	ug/L	1.0	0.27	1		06/20/19 18:24	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/20/19 18:24	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/20/19 18:24	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 18:24	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/20/19 18:24	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/20/19 18:24	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/20/19 18:24	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/20/19 18:24	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/20/19 18:24	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/20/19 18:24	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/20/19 18:24	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/20/19 18:24	460-00-4	
Dibromofluoromethane (S)	117	%	70-130		1		06/20/19 18:24	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/20/19 18:24	2037-26-5	

Sample: MW-37R **Lab ID: 40189699011** Collected: 06/18/19 14:28 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**<0.58**	ug/L	5.6	0.58	1		06/20/19 09:58	74-84-0	
Ethene	**<0.52**	ug/L	5.0	0.52	1		06/20/19 09:58	74-85-1	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Iron, Dissolved	**<35.4**	ug/L	118	35.4	1		06/25/19 22:50	7439-89-6	
Manganese, Dissolved	**<1.1**	ug/L	5.0	1.1	1		06/25/19 22:50	7439-96-5	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/20/19 18:47	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/20/19 18:47	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 18:47	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/20/19 18:47	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/20/19 18:47	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 18:47	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/20/19 18:47	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/20/19 18:47	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/20/19 18:47	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/20/19 18:47	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/20/19 18:47	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/20/19 18:47	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/20/19 18:47	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 18:47	95-50-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-37R **Lab ID: 40189699011** Collected: 06/18/19 14:28 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 18:47	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 18:47	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/20/19 18:47	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/20/19 18:47	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/20/19 18:47	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/20/19 18:47	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/20/19 18:47	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/20/19 18:47	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/20/19 18:47	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/20/19 18:47	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 18:47	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/20/19 18:47	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/20/19 18:47	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/20/19 18:47	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/20/19 18:47	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/20/19 18:47	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 18:47	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/20/19 18:47	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/20/19 18:47	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/20/19 18:47	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/20/19 18:47	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/20/19 18:47	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/20/19 18:47	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/20/19 18:47	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/20/19 18:47	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 18:47	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/20/19 18:47	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/20/19 18:47	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/20/19 18:47	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 18:47	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/20/19 18:47	100-42-5	
Tetrachloroethene	**0.65J**	ug/L	1.1	0.33	1		06/20/19 18:47	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/20/19 18:47	108-88-3	
Trichloroethene	**1.8**	ug/L	1.0	0.26	1		06/20/19 18:47	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/20/19 18:47	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/20/19 18:47	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		06/20/19 18:47	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/20/19 18:47	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/20/19 18:47	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 18:47	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/20/19 18:47	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/20/19 18:47	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/20/19 18:47	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/20/19 18:47	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/20/19 18:47	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/20/19 18:47	156-60-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-37R **Lab ID: 40189699011** Collected: 06/18/19 14:28 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/20/19 18:47	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		06/20/19 18:47	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		1		06/20/19 18:47	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/20/19 18:47	2037-26-5	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**<0.075**	mg/L	0.22	0.075	1		06/19/19 19:50	14797-55-8	
Sulfate	**13.0**	mg/L	3.0	1.0	1		06/19/19 19:50	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**178**	mg/L	23.5	7.0	1		06/21/19 10:16		

Sample: MW-17R **Lab ID: 40189699012** Collected: 06/18/19 15:56 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**<0.58**	ug/L	5.6	0.58	1		06/20/19 10:05	74-84-0	
Ethene	**0.97J**	ug/L	5.0	0.52	1		06/20/19 10:05	74-85-1	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Iron, Dissolved	**<35.4**	ug/L	118	35.4	1		06/25/19 22:52	7439-89-6	
Manganese, Dissolved	**<1.1**	ug/L	5.0	1.1	1		06/25/19 22:52	7439-96-5	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		06/20/19 13:03	630-20-6	
1,1,1-Trichloroethane	**<2.4**	ug/L	10.0	2.4	10		06/20/19 13:03	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		06/20/19 13:03	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		06/20/19 13:03	79-00-5	
1,1-Dichloroethane	**<2.7**	ug/L	10.0	2.7	10		06/20/19 13:03	75-34-3	
1,1-Dichloroethene	**<2.4**	ug/L	10.0	2.4	10		06/20/19 13:03	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		06/20/19 13:03	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		06/20/19 13:03	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		06/20/19 13:03	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		06/20/19 13:03	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		06/20/19 13:03	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		06/20/19 13:03	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		06/20/19 13:03	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		06/20/19 13:03	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		06/20/19 13:03	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		06/20/19 13:03	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		06/20/19 13:03	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		06/20/19 13:03	541-73-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-17R **Lab ID: 40189699012** Collected: 06/18/19 15:56 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		06/20/19 13:03	142-28-9	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		06/20/19 13:03	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		06/20/19 13:03	594-20-7	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		06/20/19 13:03	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		06/20/19 13:03	106-43-4	
Benzene	**<2.5**	ug/L	10.0	2.5	10		06/20/19 13:03	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		06/20/19 13:03	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		06/20/19 13:03	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		06/20/19 13:03	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		06/20/19 13:03	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		06/20/19 13:03	74-83-9	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		06/20/19 13:03	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		06/20/19 13:03	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		06/20/19 13:03	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		06/20/19 13:03	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		06/20/19 13:03	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		06/20/19 13:03	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		06/20/19 13:03	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		06/20/19 13:03	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		06/20/19 13:03	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		06/20/19 13:03	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		06/20/19 13:03	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		06/20/19 13:03	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/20/19 13:03	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		06/20/19 13:03	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		06/20/19 13:03	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		06/20/19 13:03	100-42-5	
Tetrachloroethene	**<3.3**	ug/L	10.9	3.3	10		06/20/19 13:03	127-18-4	
Toluene	**<1.7**	ug/L	50.0	1.7	10		06/20/19 13:03	108-88-3	
Trichloroethene	**412**	ug/L	10.0	2.6	10		06/20/19 13:03	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		06/20/19 13:03	75-69-4	
Vinyl chloride	**16.2**	ug/L	10.0	1.7	10		06/20/19 13:03	75-01-4	
cis-1,2-Dichloroethene	**253**	ug/L	10.0	2.7	10		06/20/19 13:03	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		06/20/19 13:03	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		06/20/19 13:03	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		06/20/19 13:03	104-51-8	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		06/20/19 13:03	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		06/20/19 13:03	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		06/20/19 13:03	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		06/20/19 13:03	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		06/20/19 13:03	98-06-6	
trans-1,2-Dichloroethene	**13.4J**	ug/L	36.4	10.9	10		06/20/19 13:03	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		06/20/19 13:03	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		10		06/20/19 13:03	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		10		06/20/19 13:03	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-17R **Lab ID: 40189699012** Collected: 06/18/19 15:56 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	101	%	70-130		10		06/20/19 13:03	2037-26-5	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**<0.075**	mg/L	0.22	0.075	1		06/19/19 20:03	14797-55-8	
Sulfate	**169**	mg/L	30.0	10.0	10		06/20/19 11:52	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**156**	mg/L	47.0	14.1	2		06/21/19 10:16		M0

Sample: MW-16 **Lab ID: 40189699013** Collected: 06/18/19 12:15 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**<0.58**	ug/L	5.6	0.58	1		06/20/19 10:12	74-84-0	
Ethene	**<0.52**	ug/L	5.0	0.52	1		06/20/19 10:12	74-85-1	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Iron, Dissolved	**281**	ug/L	118	35.4	1		06/25/19 22:55	7439-89-6	
Manganese, Dissolved	**42.4**	ug/L	5.0	1.1	1		06/25/19 22:55	7439-96-5	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<5.4**	ug/L	20.0	5.4	20		06/20/19 13:26	630-20-6	
1,1,1-Trichloroethane	**953**	ug/L	20.0	4.9	20		06/20/19 13:26	71-55-6	
1,1,2,2-Tetrachloroethane	**<5.5**	ug/L	20.0	5.5	20		06/20/19 13:26	79-34-5	
1,1,2-Trichloroethane	**<11.0**	ug/L	100	11.0	20		06/20/19 13:26	79-00-5	
1,1-Dichloroethane	**80.1**	ug/L	20.0	5.5	20		06/20/19 13:26	75-34-3	
1,1-Dichloroethene	**9.0J**	ug/L	20.0	4.9	20		06/20/19 13:26	75-35-4	
1,1-Dichloropropene	**<10.8**	ug/L	36.0	10.8	20		06/20/19 13:26	563-58-6	
1,2,3-Trichlorobenzene	**<12.5**	ug/L	100	12.5	20		06/20/19 13:26	87-61-6	
1,2,3-Trichloropropane	**<11.8**	ug/L	100	11.8	20		06/20/19 13:26	96-18-4	
1,2,4-Trichlorobenzene	**<19.0**	ug/L	100	19.0	20		06/20/19 13:26	120-82-1	
1,2,4-Trimethylbenzene	**<16.8**	ug/L	56.0	16.8	20		06/20/19 13:26	95-63-6	
1,2-Dibromo-3-chloropropane	**<35.3**	ug/L	118	35.3	20		06/20/19 13:26	96-12-8	
1,2-Dibromoethane (EDB)	**<16.6**	ug/L	55.3	16.6	20		06/20/19 13:26	106-93-4	
1,2-Dichlorobenzene	**<14.1**	ug/L	47.0	14.1	20		06/20/19 13:26	95-50-1	
1,2-Dichloroethane	**<5.6**	ug/L	20.0	5.6	20		06/20/19 13:26	107-06-2	
1,2-Dichloropropane	**<5.7**	ug/L	20.0	5.7	20		06/20/19 13:26	78-87-5	
1,3,5-Trimethylbenzene	**<17.5**	ug/L	58.2	17.5	20		06/20/19 13:26	108-67-8	
1,3-Dichlorobenzene	**<12.6**	ug/L	41.9	12.6	20		06/20/19 13:26	541-73-1	
1,3-Dichloropropane	**<16.5**	ug/L	55.1	16.5	20		06/20/19 13:26	142-28-9	
1,4-Dichlorobenzene	**<18.9**	ug/L	62.9	18.9	20		06/20/19 13:26	106-46-7	
2,2-Dichloropropane	**<45.3**	ug/L	151	45.3	20		06/20/19 13:26	594-20-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-16 **Lab ID: 40189699013** Collected: 06/18/19 12:15 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
2-Chlorotoluene	**<18.5**	ug/L	100	18.5	20		06/20/19 13:26	95-49-8	
4-Chlorotoluene	**<15.1**	ug/L	50.4	15.1	20		06/20/19 13:26	106-43-4	
Benzene	**<4.9**	ug/L	20.0	4.9	20		06/20/19 13:26	71-43-2	
Bromobenzene	**<4.8**	ug/L	20.0	4.8	20		06/20/19 13:26	108-86-1	
Bromochloromethane	**<7.2**	ug/L	100	7.2	20		06/20/19 13:26	74-97-5	
Bromodichloromethane	**<7.3**	ug/L	24.2	7.3	20		06/20/19 13:26	75-27-4	
Bromoform	**<79.4**	ug/L	265	79.4	20		06/20/19 13:26	75-25-2	
Bromomethane	**<19.4**	ug/L	100	19.4	20		06/20/19 13:26	74-83-9	
Carbon tetrachloride	**<3.3**	ug/L	20.0	3.3	20		06/20/19 13:26	56-23-5	
Chlorobenzene	**<14.2**	ug/L	47.4	14.2	20		06/20/19 13:26	108-90-7	
Chloroethane	**<26.8**	ug/L	100	26.8	20		06/20/19 13:26	75-00-3	
Chloroform	**<25.5**	ug/L	100	25.5	20		06/20/19 13:26	67-66-3	
Chloromethane	**<43.8**	ug/L	146	43.8	20		06/20/19 13:26	74-87-3	
Dibromochloromethane	**<52.0**	ug/L	173	52.0	20		06/20/19 13:26	124-48-1	
Dibromomethane	**<18.7**	ug/L	62.5	18.7	20		06/20/19 13:26	74-95-3	
Dichlorodifluoromethane	**<10**	ug/L	100	10	20		06/20/19 13:26	75-71-8	
Diisopropyl ether	**<37.8**	ug/L	126	37.8	20		06/20/19 13:26	108-20-3	
Ethylbenzene	**<4.4**	ug/L	20.0	4.4	20		06/20/19 13:26	100-41-4	
Hexachloro-1,3-butadiene	**<23.6**	ug/L	100	23.6	20		06/20/19 13:26	87-68-3	
Isopropylbenzene (Cumene)	**<7.9**	ug/L	100	7.9	20		06/20/19 13:26	98-82-8	
Methyl-tert-butyl ether	**<24.9**	ug/L	83.1	24.9	20		06/20/19 13:26	1634-04-4	
Methylene Chloride	**<11.6**	ug/L	100	11.6	20		06/20/19 13:26	75-09-2	
Naphthalene	**<23.5**	ug/L	100	23.5	20		06/20/19 13:26	91-20-3	
Styrene	**<9.3**	ug/L	31.0	9.3	20		06/20/19 13:26	100-42-5	
Tetrachloroethene	**<6.5**	ug/L	21.8	6.5	20		06/20/19 13:26	127-18-4	
Toluene	**<3.4**	ug/L	100	3.4	20		06/20/19 13:26	108-88-3	
Trichloroethene	**38.6**	ug/L	20.0	5.1	20		06/20/19 13:26	79-01-6	
Trichlorofluoromethane	**<4.3**	ug/L	20.0	4.3	20		06/20/19 13:26	75-69-4	
Vinyl chloride	**<3.5**	ug/L	20.0	3.5	20		06/20/19 13:26	75-01-4	
cis-1,2-Dichloroethene	**177**	ug/L	20.0	5.4	20		06/20/19 13:26	156-59-2	
cis-1,3-Dichloropropene	**<72.6**	ug/L	242	72.6	20		06/20/19 13:26	10061-01-5	
m&p-Xylene	**<9.3**	ug/L	40.0	9.3	20		06/20/19 13:26	179601-23-1	
n-Butylbenzene	**<14.2**	ug/L	47.2	14.2	20		06/20/19 13:26	104-51-8	
n-Propylbenzene	**<16.2**	ug/L	100	16.2	20		06/20/19 13:26	103-65-1	
o-Xylene	**<5.2**	ug/L	20.0	5.2	20		06/20/19 13:26	95-47-6	
p-Isopropyltoluene	**<16.0**	ug/L	53.3	16.0	20		06/20/19 13:26	99-87-6	
sec-Butylbenzene	**<17.0**	ug/L	100	17.0	20		06/20/19 13:26	135-98-8	
tert-Butylbenzene	**<6.1**	ug/L	20.3	6.1	20		06/20/19 13:26	98-06-6	
trans-1,2-Dichloroethene	**<21.8**	ug/L	72.7	21.8	20		06/20/19 13:26	156-60-5	
trans-1,3-Dichloropropene	**<87.4**	ug/L	291	87.4	20		06/20/19 13:26	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		20		06/20/19 13:26	460-00-4	
Dibromofluoromethane (S)	119	%	70-130		20		06/20/19 13:26	1868-53-7	
Toluene-d8 (S)	100	%	70-130		20		06/20/19 13:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-16 **Lab ID: 40189699013** Collected: 06/18/19 12:15 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**<0.38**	mg/L	1.1	0.38	5		06/20/19 10:46	14797-55-8	D3
Sulfate	**45.1**	mg/L	15.0	5.0	5		06/20/19 10:46	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**426**	mg/L	47.0	14.1	2		06/21/19 10:18		
5310C TOC	Analytical Method: SM 5310C								
Total Organic Carbon	**3.0**	mg/L	1.7	0.50	2		06/21/19 14:04	7440-44-0	

Sample: DUP-2 **Lab ID: 40189699014** Collected: 06/18/19 00:00 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.54**	ug/L	2.0	0.54	2		06/20/19 13:49	630-20-6	
1,1,1-Trichloroethane	**<0.49**	ug/L	2.0	0.49	2		06/20/19 13:49	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.55**	ug/L	2.0	0.55	2		06/20/19 13:49	79-34-5	
1,1,2-Trichloroethane	**<1.1**	ug/L	10.0	1.1	2		06/20/19 13:49	79-00-5	
1,1-Dichloroethane	**1.5J**	ug/L	2.0	0.55	2		06/20/19 13:49	75-34-3	
1,1-Dichloroethene	**1.0J**	ug/L	2.0	0.49	2		06/20/19 13:49	75-35-4	
1,1-Dichloropropene	**<1.1**	ug/L	3.6	1.1	2		06/20/19 13:49	563-58-6	
1,2,3-Trichlorobenzene	**<1.3**	ug/L	10.0	1.3	2		06/20/19 13:49	87-61-6	
1,2,3-Trichloropropane	**<1.2**	ug/L	10.0	1.2	2		06/20/19 13:49	96-18-4	
1,2,4-Trichlorobenzene	**<1.9**	ug/L	10.0	1.9	2		06/20/19 13:49	120-82-1	
1,2,4-Trimethylbenzene	**<1.7**	ug/L	5.6	1.7	2		06/20/19 13:49	95-63-6	
1,2-Dibromo-3-chloropropane	**<3.5**	ug/L	11.8	3.5	2		06/20/19 13:49	96-12-8	
1,2-Dibromoethane (EDB)	**<1.7**	ug/L	5.5	1.7	2		06/20/19 13:49	106-93-4	
1,2-Dichlorobenzene	**<1.4**	ug/L	4.7	1.4	2		06/20/19 13:49	95-50-1	
1,2-Dichloroethane	**<0.56**	ug/L	2.0	0.56	2		06/20/19 13:49	107-06-2	
1,2-Dichloropropane	**<0.57**	ug/L	2.0	0.57	2		06/20/19 13:49	78-87-5	
1,3,5-Trimethylbenzene	**<1.7**	ug/L	5.8	1.7	2		06/20/19 13:49	108-67-8	
1,3-Dichlorobenzene	**<1.3**	ug/L	4.2	1.3	2		06/20/19 13:49	541-73-1	
1,3-Dichloropropane	**<1.7**	ug/L	5.5	1.7	2		06/20/19 13:49	142-28-9	
1,4-Dichlorobenzene	**<1.9**	ug/L	6.3	1.9	2		06/20/19 13:49	106-46-7	
2,2-Dichloropropane	**<4.5**	ug/L	15.1	4.5	2		06/20/19 13:49	594-20-7	
2-Chlorotoluene	**<1.9**	ug/L	10.0	1.9	2		06/20/19 13:49	95-49-8	
4-Chlorotoluene	**<1.5**	ug/L	5.0	1.5	2		06/20/19 13:49	106-43-4	
Benzene	**<0.49**	ug/L	2.0	0.49	2		06/20/19 13:49	71-43-2	
Bromobenzene	**<0.48**	ug/L	2.0	0.48	2		06/20/19 13:49	108-86-1	
Bromochloromethane	**<0.72**	ug/L	10.0	0.72	2		06/20/19 13:49	74-97-5	
Bromodichloromethane	**<0.73**	ug/L	2.4	0.73	2		06/20/19 13:49	75-27-4	
Bromoform	**<7.9**	ug/L	26.5	7.9	2		06/20/19 13:49	75-25-2	
Bromomethane	**<1.9**	ug/L	10.0	1.9	2		06/20/19 13:49	74-83-9	
Carbon tetrachloride	**<0.33**	ug/L	2.0	0.33	2		06/20/19 13:49	56-23-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: DUP-2 **Lab ID: 40189699014** Collected: 06/18/19 00:00 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chlorobenzene	**<1.4**	ug/L	4.7	1.4	2		06/20/19 13:49	108-90-7	
Chloroethane	**<2.7**	ug/L	10.0	2.7	2		06/20/19 13:49	75-00-3	
Chloroform	**<2.5**	ug/L	10.0	2.5	2		06/20/19 13:49	67-66-3	
Chloromethane	**<4.4**	ug/L	14.6	4.4	2		06/20/19 13:49	74-87-3	
Dibromochloromethane	**<5.2**	ug/L	17.3	5.2	2		06/20/19 13:49	124-48-1	
Dibromomethane	**<1.9**	ug/L	6.2	1.9	2		06/20/19 13:49	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	10.0	1.0	2		06/20/19 13:49	75-71-8	
Diisopropyl ether	**<3.8**	ug/L	12.6	3.8	2		06/20/19 13:49	108-20-3	
Ethylbenzene	**<0.44**	ug/L	2.0	0.44	2		06/20/19 13:49	100-41-4	
Hexachloro-1,3-butadiene	**<2.4**	ug/L	10.0	2.4	2		06/20/19 13:49	87-68-3	
Isopropylbenzene (Cumene)	**<0.79**	ug/L	10.0	0.79	2		06/20/19 13:49	98-82-8	
Methyl-tert-butyl ether	**<2.5**	ug/L	8.3	2.5	2		06/20/19 13:49	1634-04-4	
Methylene Chloride	**<1.2**	ug/L	10.0	1.2	2		06/20/19 13:49	75-09-2	
Naphthalene	**<2.4**	ug/L	10.0	2.4	2		06/20/19 13:49	91-20-3	
Styrene	**<0.93**	ug/L	3.1	0.93	2		06/20/19 13:49	100-42-5	
Tetrachloroethene	**1.9J**	ug/L	2.2	0.65	2		06/20/19 13:49	127-18-4	
Toluene	**<0.34**	ug/L	10.0	0.34	2		06/20/19 13:49	108-88-3	
Trichloroethene	**491**	ug/L	2.0	0.51	2		06/20/19 13:49	79-01-6	
Trichlorofluoromethane	**<0.43**	ug/L	2.0	0.43	2		06/20/19 13:49	75-69-4	
Vinyl chloride	**13.6**	ug/L	2.0	0.35	2		06/20/19 13:49	75-01-4	
cis-1,2-Dichloroethene	**259**	ug/L	2.0	0.54	2		06/20/19 13:49	156-59-2	
cis-1,3-Dichloropropene	**<7.3**	ug/L	24.2	7.3	2		06/20/19 13:49	10061-01-5	
m&p-Xylene	**<0.93**	ug/L	4.0	0.93	2		06/20/19 13:49	179601-23-1	
n-Butylbenzene	**<1.4**	ug/L	4.7	1.4	2		06/20/19 13:49	104-51-8	
n-Propylbenzene	**<1.6**	ug/L	10.0	1.6	2		06/20/19 13:49	103-65-1	
o-Xylene	**<0.52**	ug/L	2.0	0.52	2		06/20/19 13:49	95-47-6	
p-Isopropyltoluene	**<1.6**	ug/L	5.3	1.6	2		06/20/19 13:49	99-87-6	
sec-Butylbenzene	**<1.7**	ug/L	10.0	1.7	2		06/20/19 13:49	135-98-8	
tert-Butylbenzene	**<0.61**	ug/L	2.0	0.61	2		06/20/19 13:49	98-06-6	
trans-1,2-Dichloroethene	**11.5**	ug/L	7.3	2.2	2		06/20/19 13:49	156-60-5	
trans-1,3-Dichloropropene	**<8.7**	ug/L	29.1	8.7	2		06/20/19 13:49	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		2		06/20/19 13:49	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		2		06/20/19 13:49	1868-53-7	
Toluene-d8 (S)	101	%	70-130		2		06/20/19 13:49	2037-26-5	

Sample: MW-40 **Lab ID: 40189699015** Collected: 06/18/19 10:59 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<1.1**	ug/L	4.0	1.1	4		06/20/19 14:12	630-20-6	
1,1,1-Trichloroethane	**8410**	ug/L	100	24.5	100		06/21/19 07:53	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.1**	ug/L	4.0	1.1	4		06/20/19 14:12	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-40 **Lab ID: 40189699015** Collected: 06/18/19 10:59 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	**4.7J**	ug/L	20.0	2.2	4		06/20/19 14:12	79-00-5	
1,1-Dichloroethane	**528**	ug/L	4.0	1.1	4		06/20/19 14:12	75-34-3	
1,1-Dichloroethene	**170**	ug/L	4.0	0.98	4		06/20/19 14:12	75-35-4	
1,1-Dichloropropene	**<2.2**	ug/L	7.2	2.2	4		06/20/19 14:12	563-58-6	
1,2,3-Trichlorobenzene	**<2.5**	ug/L	20.0	2.5	4		06/20/19 14:12	87-61-6	
1,2,3-Trichloropropane	**<2.4**	ug/L	20.0	2.4	4		06/20/19 14:12	96-18-4	
1,2,4-Trichlorobenzene	**<3.8**	ug/L	20.0	3.8	4		06/20/19 14:12	120-82-1	
1,2,4-Trimethylbenzene	**<3.4**	ug/L	11.2	3.4	4		06/20/19 14:12	95-63-6	
1,2-Dibromo-3-chloropropane	**<7.1**	ug/L	23.5	7.1	4		06/20/19 14:12	96-12-8	
1,2-Dibromoethane (EDB)	**<3.3**	ug/L	11.1	3.3	4		06/20/19 14:12	106-93-4	
1,2-Dichlorobenzene	**<2.8**	ug/L	9.4	2.8	4		06/20/19 14:12	95-50-1	
1,2-Dichloroethane	**<1.1**	ug/L	4.0	1.1	4		06/20/19 14:12	107-06-2	
1,2-Dichloropropane	**<1.1**	ug/L	4.0	1.1	4		06/20/19 14:12	78-87-5	
1,3,5-Trimethylbenzene	**<3.5**	ug/L	11.6	3.5	4		06/20/19 14:12	108-67-8	
1,3-Dichlorobenzene	**<2.5**	ug/L	8.4	2.5	4		06/20/19 14:12	541-73-1	
1,3-Dichloropropane	**<3.3**	ug/L	11.0	3.3	4		06/20/19 14:12	142-28-9	
1,4-Dichlorobenzene	**<3.8**	ug/L	12.6	3.8	4		06/20/19 14:12	106-46-7	
2,2-Dichloropropane	**<9.1**	ug/L	30.2	9.1	4		06/20/19 14:12	594-20-7	
2-Chlorotoluene	**<3.7**	ug/L	20.0	3.7	4		06/20/19 14:12	95-49-8	
4-Chlorotoluene	**<3.0**	ug/L	10.1	3.0	4		06/20/19 14:12	106-43-4	
Benzene	**<0.99**	ug/L	4.0	0.99	4		06/20/19 14:12	71-43-2	
Bromobenzene	**<0.96**	ug/L	4.0	0.96	4		06/20/19 14:12	108-86-1	
Bromochloromethane	**<1.4**	ug/L	20.0	1.4	4		06/20/19 14:12	74-97-5	
Bromodichloromethane	**<1.5**	ug/L	4.8	1.5	4		06/20/19 14:12	75-27-4	
Bromoform	**<15.9**	ug/L	53.0	15.9	4		06/20/19 14:12	75-25-2	
Bromomethane	**<3.9**	ug/L	20.0	3.9	4		06/20/19 14:12	74-83-9	
Carbon tetrachloride	**<0.66**	ug/L	4.0	0.66	4		06/20/19 14:12	56-23-5	
Chlorobenzene	**<2.8**	ug/L	9.5	2.8	4		06/20/19 14:12	108-90-7	
Chloroethane	**<5.4**	ug/L	20.0	5.4	4		06/20/19 14:12	75-00-3	
Chloroform	**<5.1**	ug/L	20.0	5.1	4		06/20/19 14:12	67-66-3	
Chloromethane	**<8.8**	ug/L	29.2	8.8	4		06/20/19 14:12	74-87-3	
Dibromochloromethane	**<10.4**	ug/L	34.7	10.4	4		06/20/19 14:12	124-48-1	
Dibromomethane	**<3.7**	ug/L	12.5	3.7	4		06/20/19 14:12	74-95-3	
Dichlorodifluoromethane	**<2.0**	ug/L	20.0	2.0	4		06/20/19 14:12	75-71-8	
Diisopropyl ether	**<7.6**	ug/L	25.2	7.6	4		06/20/19 14:12	108-20-3	
Ethylbenzene	**<0.87**	ug/L	4.0	0.87	4		06/20/19 14:12	100-41-4	
Hexachloro-1,3-butadiene	**<4.7**	ug/L	20.0	4.7	4		06/20/19 14:12	87-68-3	
Isopropylbenzene (Cumene)	**<1.6**	ug/L	20.0	1.6	4		06/20/19 14:12	98-82-8	
Methyl-tert-butyl ether	**<5.0**	ug/L	16.6	5.0	4		06/20/19 14:12	1634-04-4	
Methylene Chloride	**<2.3**	ug/L	20.0	2.3	4		06/20/19 14:12	75-09-2	
Naphthalene	**<4.7**	ug/L	20.0	4.7	4		06/20/19 14:12	91-20-3	
Styrene	**<1.9**	ug/L	6.2	1.9	4		06/20/19 14:12	100-42-5	
Tetrachloroethene	**3.2J**	ug/L	4.4	1.3	4		06/20/19 14:12	127-18-4	
Toluene	**<0.69**	ug/L	20.0	0.69	4		06/20/19 14:12	108-88-3	
Trichloroethene	**248**	ug/L	4.0	1.0	4		06/20/19 14:12	79-01-6	
Trichlorofluoromethane	**<0.86**	ug/L	4.0	0.86	4		06/20/19 14:12	75-69-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-40 **Lab ID: 40189699015** Collected: 06/18/19 10:59 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Vinyl chloride	**0.90J**	ug/L	4.0	0.70	4		06/20/19 14:12	75-01-4	
cis-1,2-Dichloroethene	**508**	ug/L	4.0	1.1	4		06/20/19 14:12	156-59-2	
cis-1,3-Dichloropropene	**<14.5**	ug/L	48.4	14.5	4		06/20/19 14:12	10061-01-5	
m&p-Xylene	**<1.9**	ug/L	8.0	1.9	4		06/20/19 14:12	179601-23-1	
n-Butylbenzene	**<2.8**	ug/L	9.4	2.8	4		06/20/19 14:12	104-51-8	
n-Propylbenzene	**<3.2**	ug/L	20.0	3.2	4		06/20/19 14:12	103-65-1	
o-Xylene	**<1.0**	ug/L	4.0	1.0	4		06/20/19 14:12	95-47-6	
p-Isopropyltoluene	**<3.2**	ug/L	10.7	3.2	4		06/20/19 14:12	99-87-6	
sec-Butylbenzene	**<3.4**	ug/L	20.0	3.4	4		06/20/19 14:12	135-98-8	
tert-Butylbenzene	**<1.2**	ug/L	4.1	1.2	4		06/20/19 14:12	98-06-6	
trans-1,2-Dichloroethene	**<4.4**	ug/L	14.5	4.4	4		06/20/19 14:12	156-60-5	
trans-1,3-Dichloropropene	**<17.5**	ug/L	58.3	17.5	4		06/20/19 14:12	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		4		06/20/19 14:12	460-00-4	
Dibromofluoromethane (S)	113	%	70-130		4		06/20/19 14:12	1868-53-7	
Toluene-d8 (S)	100	%	70-130		4		06/20/19 14:12	2037-26-5	

Sample: MW-18R **Lab ID: 40189699016** Collected: 06/18/19 13:50 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<5.4**	ug/L	20.0	5.4	20		06/20/19 14:35	630-20-6	
1,1,1-Trichloroethane	**<4.9**	ug/L	20.0	4.9	20		06/21/19 07:31	71-55-6	
1,1,2,2-Tetrachloroethane	**<5.5**	ug/L	20.0	5.5	20		06/20/19 14:35	79-34-5	
1,1,2-Trichloroethane	**<11.0**	ug/L	100	11.0	20		06/20/19 14:35	79-00-5	
1,1-Dichloroethane	**6.7J**	ug/L	20.0	5.5	20		06/20/19 14:35	75-34-3	
1,1-Dichloroethene	**10.2J**	ug/L	20.0	4.9	20		06/20/19 14:35	75-35-4	
1,1-Dichloropropene	**<10.8**	ug/L	36.0	10.8	20		06/20/19 14:35	563-58-6	
1,2,3-Trichlorobenzene	**<12.5**	ug/L	100	12.5	20		06/20/19 14:35	87-61-6	
1,2,3-Trichloropropane	**<11.8**	ug/L	100	11.8	20		06/20/19 14:35	96-18-4	
1,2,4-Trichlorobenzene	**<19.0**	ug/L	100	19.0	20		06/20/19 14:35	120-82-1	
1,2,4-Trimethylbenzene	**<16.8**	ug/L	56.0	16.8	20		06/20/19 14:35	95-63-6	
1,2-Dibromo-3-chloropropane	**<35.3**	ug/L	118	35.3	20		06/20/19 14:35	96-12-8	
1,2-Dibromoethane (EDB)	**<16.6**	ug/L	55.3	16.6	20		06/20/19 14:35	106-93-4	
1,2-Dichlorobenzene	**<14.1**	ug/L	47.0	14.1	20		06/20/19 14:35	95-50-1	
1,2-Dichloroethane	**<5.6**	ug/L	20.0	5.6	20		06/20/19 14:35	107-06-2	
1,2-Dichloropropane	**<5.7**	ug/L	20.0	5.7	20		06/20/19 14:35	78-87-5	
1,3,5-Trimethylbenzene	**<17.5**	ug/L	58.2	17.5	20		06/20/19 14:35	108-67-8	
1,3-Dichlorobenzene	**<12.6**	ug/L	41.9	12.6	20		06/20/19 14:35	541-73-1	
1,3-Dichloropropane	**<16.5**	ug/L	55.1	16.5	20		06/20/19 14:35	142-28-9	
1,4-Dichlorobenzene	**<18.9**	ug/L	62.9	18.9	20		06/20/19 14:35	106-46-7	
2,2-Dichloropropane	**<45.3**	ug/L	151	45.3	20		06/20/19 14:35	594-20-7	
2-Chlorotoluene	**<18.5**	ug/L	100	18.5	20		06/20/19 14:35	95-49-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-18R **Lab ID: 40189699016** Collected: 06/18/19 13:50 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
4-Chlorotoluene	**<15.1**	ug/L	50.4	15.1	20		06/20/19 14:35	106-43-4	
Benzene	**<4.9**	ug/L	20.0	4.9	20		06/20/19 14:35	71-43-2	
Bromobenzene	**<4.8**	ug/L	20.0	4.8	20		06/20/19 14:35	108-86-1	
Bromochloromethane	**<7.2**	ug/L	100	7.2	20		06/20/19 14:35	74-97-5	
Bromodichloromethane	**<7.3**	ug/L	24.2	7.3	20		06/20/19 14:35	75-27-4	
Bromoform	**<79.4**	ug/L	265	79.4	20		06/20/19 14:35	75-25-2	
Bromomethane	**<19.4**	ug/L	100	19.4	20		06/20/19 14:35	74-83-9	
Carbon tetrachloride	**<3.3**	ug/L	20.0	3.3	20		06/20/19 14:35	56-23-5	
Chlorobenzene	**<14.2**	ug/L	47.4	14.2	20		06/20/19 14:35	108-90-7	
Chloroethane	**<26.8**	ug/L	100	26.8	20		06/20/19 14:35	75-00-3	
Chloroform	**<25.5**	ug/L	100	25.5	20		06/20/19 14:35	67-66-3	
Chloromethane	**<43.8**	ug/L	146	43.8	20		06/20/19 14:35	74-87-3	
Dibromochloromethane	**<52.0**	ug/L	173	52.0	20		06/20/19 14:35	124-48-1	
Dibromomethane	**<18.7**	ug/L	62.5	18.7	20		06/20/19 14:35	74-95-3	
Dichlorodifluoromethane	**<10**	ug/L	100	10	20		06/20/19 14:35	75-71-8	
Diisopropyl ether	**<37.8**	ug/L	126	37.8	20		06/20/19 14:35	108-20-3	
Ethylbenzene	**<4.4**	ug/L	20.0	4.4	20		06/20/19 14:35	100-41-4	
Hexachloro-1,3-butadiene	**<23.6**	ug/L	100	23.6	20		06/20/19 14:35	87-68-3	
Isopropylbenzene (Cumene)	**<7.9**	ug/L	100	7.9	20		06/20/19 14:35	98-82-8	
Methyl-tert-butyl ether	**<24.9**	ug/L	83.1	24.9	20		06/20/19 14:35	1634-04-4	
Methylene Chloride	**<11.6**	ug/L	100	11.6	20		06/20/19 14:35	75-09-2	
Naphthalene	**<23.5**	ug/L	100	23.5	20		06/20/19 14:35	91-20-3	
Styrene	**<9.3**	ug/L	31.0	9.3	20		06/20/19 14:35	100-42-5	
Tetrachloroethene	**<6.5**	ug/L	21.8	6.5	20		06/20/19 14:35	127-18-4	
Toluene	**<3.4**	ug/L	100	3.4	20		06/20/19 14:35	108-88-3	
Trichloroethene	**5150**	ug/L	20.0	5.1	20		06/20/19 14:35	79-01-6	
Trichlorofluoromethane	**<4.3**	ug/L	20.0	4.3	20		06/20/19 14:35	75-69-4	
Vinyl chloride	**33.8**	ug/L	20.0	3.5	20		06/20/19 14:35	75-01-4	
cis-1,2-Dichloroethene	**2390**	ug/L	20.0	5.4	20		06/20/19 14:35	156-59-2	
cis-1,3-Dichloropropene	**<72.6**	ug/L	242	72.6	20		06/20/19 14:35	10061-01-5	
m&p-Xylene	**<9.3**	ug/L	40.0	9.3	20		06/20/19 14:35	179601-23-1	
n-Butylbenzene	**<14.2**	ug/L	47.2	14.2	20		06/20/19 14:35	104-51-8	
n-Propylbenzene	**<16.2**	ug/L	100	16.2	20		06/20/19 14:35	103-65-1	
o-Xylene	**<5.2**	ug/L	20.0	5.2	20		06/20/19 14:35	95-47-6	
p-Isopropyltoluene	**<16.0**	ug/L	53.3	16.0	20		06/20/19 14:35	99-87-6	
sec-Butylbenzene	**<17.0**	ug/L	100	17.0	20		06/20/19 14:35	135-98-8	
tert-Butylbenzene	**<6.1**	ug/L	20.3	6.1	20		06/20/19 14:35	98-06-6	
trans-1,2-Dichloroethene	**23.0J**	ug/L	72.7	21.8	20		06/20/19 14:35	156-60-5	
trans-1,3-Dichloropropene	**<87.4**	ug/L	291	87.4	20		06/20/19 14:35	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		20		06/20/19 14:35	460-00-4	
Dibromofluoromethane (S)	117	%	70-130		20		06/20/19 14:35	1868-53-7	
Toluene-d8 (S)	99	%	70-130		20		06/20/19 14:35	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-39 **Lab ID: 40189699017** Collected: 06/18/19 10:20 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		06/20/19 14:58	630-20-6	
1,1,1-Trichloroethane	**120**	ug/L	10.0	2.4	10		06/20/19 14:58	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		06/20/19 14:58	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		06/20/19 14:58	79-00-5	
1,1-Dichloroethane	**45.2**	ug/L	10.0	2.7	10		06/20/19 14:58	75-34-3	
1,1-Dichloroethene	**33.4**	ug/L	10.0	2.4	10		06/20/19 14:58	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		06/20/19 14:58	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		06/20/19 14:58	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		06/20/19 14:58	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		06/20/19 14:58	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		06/20/19 14:58	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		06/20/19 14:58	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		06/20/19 14:58	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		06/20/19 14:58	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		06/20/19 14:58	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		06/20/19 14:58	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		06/20/19 14:58	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		06/20/19 14:58	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		06/20/19 14:58	142-28-9	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		06/20/19 14:58	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		06/20/19 14:58	594-20-7	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		06/20/19 14:58	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		06/20/19 14:58	106-43-4	
Benzene	**<2.5**	ug/L	10.0	2.5	10		06/20/19 14:58	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		06/20/19 14:58	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		06/20/19 14:58	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		06/20/19 14:58	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		06/20/19 14:58	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		06/20/19 14:58	74-83-9	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		06/20/19 14:58	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		06/20/19 14:58	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		06/20/19 14:58	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		06/20/19 14:58	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		06/20/19 14:58	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		06/20/19 14:58	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		06/20/19 14:58	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		06/20/19 14:58	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		06/20/19 14:58	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		06/20/19 14:58	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		06/20/19 14:58	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		06/20/19 14:58	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/20/19 14:58	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		06/20/19 14:58	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		06/20/19 14:58	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		06/20/19 14:58	100-42-5	
Tetrachloroethene	**<3.3**	ug/L	10.9	3.3	10		06/20/19 14:58	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: MW-39 **Lab ID: 40189699017** Collected: 06/18/19 10:20 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<1.7**	ug/L	50.0	1.7	10		06/20/19 14:58	108-88-3	
Trichloroethene	**839**	ug/L	10.0	2.6	10		06/20/19 14:58	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		06/20/19 14:58	75-69-4	
Vinyl chloride	**3.1J**	ug/L	10.0	1.7	10		06/20/19 14:58	75-01-4	
cis-1,2-Dichloroethene	**200**	ug/L	10.0	2.7	10		06/20/19 14:58	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		06/20/19 14:58	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		06/20/19 14:58	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		06/20/19 14:58	104-51-8	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		06/20/19 14:58	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		06/20/19 14:58	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		06/20/19 14:58	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		06/20/19 14:58	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		06/20/19 14:58	98-06-6	
trans-1,2-Dichloroethene	**31.3J**	ug/L	36.4	10.9	10		06/20/19 14:58	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		06/20/19 14:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		10		06/20/19 14:58	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		10		06/20/19 14:58	1868-53-7	
Toluene-d8 (S)	99	%	70-130		10		06/20/19 14:58	2037-26-5	

Sample: TRIP-1 **Lab ID: 40189699018** Collected: 06/18/19 00:00 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/20/19 11:54	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/20/19 11:54	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 11:54	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/20/19 11:54	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/20/19 11:54	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 11:54	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/20/19 11:54	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/20/19 11:54	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/20/19 11:54	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/20/19 11:54	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/20/19 11:54	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/20/19 11:54	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/20/19 11:54	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 11:54	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 11:54	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 11:54	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/20/19 11:54	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/20/19 11:54	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/20/19 11:54	142-28-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: TRIP-1 **Lab ID: 40189699018** Collected: 06/18/19 00:00 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/20/19 11:54	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/20/19 11:54	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/20/19 11:54	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/20/19 11:54	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/20/19 11:54	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 11:54	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/20/19 11:54	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/20/19 11:54	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/20/19 11:54	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/20/19 11:54	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/20/19 11:54	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 11:54	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/20/19 11:54	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/20/19 11:54	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/20/19 11:54	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/20/19 11:54	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/20/19 11:54	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/20/19 11:54	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/20/19 11:54	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/20/19 11:54	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 11:54	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/20/19 11:54	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/20/19 11:54	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/20/19 11:54	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 11:54	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/20/19 11:54	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		06/20/19 11:54	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/20/19 11:54	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/20/19 11:54	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/20/19 11:54	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/20/19 11:54	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		06/20/19 11:54	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/20/19 11:54	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/20/19 11:54	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 11:54	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/20/19 11:54	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/20/19 11:54	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/20/19 11:54	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/20/19 11:54	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/20/19 11:54	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/20/19 11:54	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/20/19 11:54	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		06/20/19 11:54	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		06/20/19 11:54	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/20/19 11:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: TRIP-2 **Lab ID: 40189699019** Collected: 06/18/19 00:00 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/20/19 19:17	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/20/19 19:17	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 19:17	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/20/19 19:17	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/20/19 19:17	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 19:17	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/20/19 19:17	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/20/19 19:17	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/20/19 19:17	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/20/19 19:17	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/20/19 19:17	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/20/19 19:17	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/20/19 19:17	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 19:17	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 19:17	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/20/19 19:17	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/20/19 19:17	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/20/19 19:17	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/20/19 19:17	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/20/19 19:17	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/20/19 19:17	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/20/19 19:17	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/20/19 19:17	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/20/19 19:17	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/20/19 19:17	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/20/19 19:17	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/20/19 19:17	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/20/19 19:17	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/20/19 19:17	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/20/19 19:17	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 19:17	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/20/19 19:17	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/20/19 19:17	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/20/19 19:17	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/20/19 19:17	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/20/19 19:17	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/20/19 19:17	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/20/19 19:17	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/20/19 19:17	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 19:17	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/20/19 19:17	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/20/19 19:17	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/20/19 19:17	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/20/19 19:17	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/20/19 19:17	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		06/20/19 19:17	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Sample: TRIP-2 **Lab ID: 40189699019** Collected: 06/18/19 00:00 Received: 06/19/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/20/19 19:17	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/20/19 19:17	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/20/19 19:17	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/20/19 19:17	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		06/20/19 19:17	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/20/19 19:17	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/20/19 19:17	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/20/19 19:17	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/20/19 19:17	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/20/19 19:17	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/20/19 19:17	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/20/19 19:17	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/20/19 19:17	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/20/19 19:17	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/20/19 19:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/20/19 19:17	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		06/20/19 19:17	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/20/19 19:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

QC Batch: 325058 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Associated Lab Samples: 40189699002, 40189699003, 40189699005, 40189699006, 40189699008, 40189699011, 40189699012, 40189699013

METHOD BLANK: 1887115 Matrix: Water
Associated Lab Samples: 40189699002, 40189699003, 40189699005, 40189699006, 40189699008, 40189699011, 40189699012, 40189699013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.58	5.6	06/20/19 07:54	
Ethene	ug/L	<0.52	5.0	06/20/19 07:54	

LABORATORY CONTROL SAMPLE & LCSD: 1887116 1887117

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	49.6	50.9	93	95	80-120	3	20	
Ethene	ug/L	50	46.0	47.2	92	94	80-120	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887118 1887119

Parameter	Units	40189400002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<23.0	2140	2140	2030	2150	95	100	80-120	6	20	
Ethene	ug/L	<21.0	2000	2000	1870	1980	94	99	80-120	5	20	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

QC Batch: 325662 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40189699002, 40189699003, 40189699005, 40189699006, 40189699008, 40189699011, 40189699012, 40189699013

METHOD BLANK: 1890747 Matrix: Water
Associated Lab Samples: 40189699002, 40189699003, 40189699005, 40189699006, 40189699008, 40189699011, 40189699012, 40189699013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Dissolved	ug/L	<35.4	118	06/25/19 22:23	
Manganese, Dissolved	ug/L	<1.1	5.0	06/25/19 22:23	

LABORATORY CONTROL SAMPLE: 1890748

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	5000	4480	90	80-120	
Manganese, Dissolved	ug/L	500	456	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1890749 1890750

Parameter	Units	40189699002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	7020	5000	5000	11400	11400	87	87	75-125	0	20	
Manganese, Dissolved	ug/L	2260	500	500	2680	2670	84	82	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

QC Batch: 325042 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40189699001, 40189699002, 40189699003, 40189699005, 40189699006, 40189699007, 40189699008, 40189699009, 40189699010, 40189699011, 40189699012, 40189699013, 40189699014, 40189699015, 40189699016, 40189699017, 40189699018

METHOD BLANK: 1887085 Matrix: Water
Associated Lab Samples: 40189699001, 40189699002, 40189699003, 40189699005, 40189699006, 40189699007, 40189699008, 40189699009, 40189699010, 40189699011, 40189699012, 40189699013, 40189699014, 40189699015, 40189699016, 40189699017, 40189699018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	06/20/19 08:51	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	06/20/19 08:51	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	06/20/19 08:51	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	06/20/19 08:51	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/20/19 08:51	
1,1-Dichloroethene	ug/L	<0.24	1.0	06/20/19 08:51	
1,1-Dichloropropene	ug/L	<0.54	1.8	06/20/19 08:51	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	06/20/19 08:51	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	06/20/19 08:51	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	06/20/19 08:51	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	06/20/19 08:51	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	06/20/19 08:51	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	06/20/19 08:51	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	06/20/19 08:51	
1,2-Dichloroethane	ug/L	<0.28	1.0	06/20/19 08:51	
1,2-Dichloropropane	ug/L	<0.28	1.0	06/20/19 08:51	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	06/20/19 08:51	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	06/20/19 08:51	
1,3-Dichloropropane	ug/L	<0.83	2.8	06/20/19 08:51	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	06/20/19 08:51	
2,2-Dichloropropane	ug/L	<2.3	7.6	06/20/19 08:51	
2-Chlorotoluene	ug/L	<0.93	5.0	06/20/19 08:51	
4-Chlorotoluene	ug/L	<0.76	2.5	06/20/19 08:51	
Benzene	ug/L	<0.25	1.0	06/20/19 08:51	
Bromobenzene	ug/L	<0.24	1.0	06/20/19 08:51	
Bromochloromethane	ug/L	<0.36	5.0	06/20/19 08:51	
Bromodichloromethane	ug/L	<0.36	1.2	06/20/19 08:51	
Bromoform	ug/L	<4.0	13.2	06/20/19 08:51	
Bromomethane	ug/L	<0.97	5.0	06/20/19 08:51	
Carbon tetrachloride	ug/L	<0.17	1.0	06/20/19 08:51	
Chlorobenzene	ug/L	<0.71	2.4	06/20/19 08:51	
Chloroethane	ug/L	<1.3	5.0	06/20/19 08:51	
Chloroform	ug/L	<1.3	5.0	06/20/19 08:51	
Chloromethane	ug/L	<2.2	7.3	06/20/19 08:51	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	06/20/19 08:51	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	06/20/19 08:51	
Dibromochloromethane	ug/L	<2.6	8.7	06/20/19 08:51	
Dibromomethane	ug/L	<0.94	3.1	06/20/19 08:51	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

METHOD BLANK: 1887085 Matrix: Water

Associated Lab Samples: 40189699001, 40189699002, 40189699003, 40189699005, 40189699006, 40189699007, 40189699008, 40189699009, 40189699010, 40189699011, 40189699012, 40189699013, 40189699014, 40189699015, 40189699016, 40189699017, 40189699018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	<0.50	5.0	06/20/19 08:51	
Diisopropyl ether	ug/L	<1.9	6.3	06/20/19 08:51	
Ethylbenzene	ug/L	<0.22	1.0	06/20/19 08:51	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	06/20/19 08:51	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	06/20/19 08:51	
m&p-Xylene	ug/L	<0.47	2.0	06/20/19 08:51	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	06/20/19 08:51	
Methylene Chloride	ug/L	<0.58	5.0	06/20/19 08:51	
n-Butylbenzene	ug/L	<0.71	2.4	06/20/19 08:51	
n-Propylbenzene	ug/L	<0.81	5.0	06/20/19 08:51	
Naphthalene	ug/L	<1.2	5.0	06/20/19 08:51	
o-Xylene	ug/L	<0.26	1.0	06/20/19 08:51	
p-Isopropyltoluene	ug/L	<0.80	2.7	06/20/19 08:51	
sec-Butylbenzene	ug/L	<0.85	5.0	06/20/19 08:51	
Styrene	ug/L	<0.47	1.6	06/20/19 08:51	
tert-Butylbenzene	ug/L	<0.30	1.0	06/20/19 08:51	
Tetrachloroethene	ug/L	<0.33	1.1	06/20/19 08:51	
Toluene	ug/L	<0.17	5.0	06/20/19 08:51	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	06/20/19 08:51	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	06/20/19 08:51	
Trichloroethene	ug/L	<0.26	1.0	06/20/19 08:51	
Trichlorofluoromethane	ug/L	<0.21	1.0	06/20/19 08:51	
Vinyl chloride	ug/L	<0.17	1.0	06/20/19 08:51	
4-Bromofluorobenzene (S)	%	96	70-130	06/20/19 08:51	
Dibromofluoromethane (S)	%	105	70-130	06/20/19 08:51	
Toluene-d8 (S)	%	98	70-130	06/20/19 08:51	

LABORATORY CONTROL SAMPLE: 1887086

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.3	105	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.6	103	70-130	
1,1,2-Trichloroethane	ug/L	50	50.8	102	70-130	
1,1-Dichloroethane	ug/L	50	51.0	102	73-150	
1,1-Dichloroethene	ug/L	50	47.6	95	73-138	
1,2,4-Trichlorobenzene	ug/L	50	39.5	79	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.7	89	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	47.0	94	70-130	
1,2-Dichlorobenzene	ug/L	50	45.7	91	70-130	
1,2-Dichloroethane	ug/L	50	55.6	111	75-140	
1,2-Dichloropropane	ug/L	50	55.1	110	73-135	
1,3-Dichlorobenzene	ug/L	50	46.3	93	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

LABORATORY CONTROL SAMPLE: 1887086

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	49.2	98	70-130	
Benzene	ug/L	50	53.5	107	70-130	
Bromodichloromethane	ug/L	50	53.0	106	70-130	
Bromoform	ug/L	50	47.4	95	68-129	
Bromomethane	ug/L	50	33.0	66	18-159	
Carbon tetrachloride	ug/L	50	50.7	101	70-130	
Chlorobenzene	ug/L	50	49.6	99	70-130	
Chloroethane	ug/L	50	45.6	91	53-147	
Chloroform	ug/L	50	53.2	106	74-136	
Chloromethane	ug/L	50	37.7	75	29-115	
cis-1,2-Dichloroethene	ug/L	50	49.4	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	51.7	103	70-130	
Dibromochloromethane	ug/L	50	47.5	95	70-130	
Dichlorodifluoromethane	ug/L	50	30.4	61	10-130	
Ethylbenzene	ug/L	50	51.8	104	80-124	
Isopropylbenzene (Cumene)	ug/L	50	50.4	101	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	50.0	100	54-137	
Methylene Chloride	ug/L	50	47.6	95	73-138	
o-Xylene	ug/L	50	50.9	102	70-130	
Styrene	ug/L	50	52.9	106	70-130	
Tetrachloroethene	ug/L	50	46.5	93	70-130	
Toluene	ug/L	50	51.9	104	80-126	
trans-1,2-Dichloroethene	ug/L	50	44.5	89	73-145	
trans-1,3-Dichloropropene	ug/L	50	46.0	92	70-130	
Trichloroethene	ug/L	50	51.9	104	70-130	
Trichlorofluoromethane	ug/L	50	50.7	101	76-147	
Vinyl chloride	ug/L	50	45.2	90	51-120	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			106	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887162 1887163

Parameter	Units	40189699002 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	<0.24	50	50	52.7	51.9	105	104	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	54.4	52.2	109	104	70-130	4	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	50.4	52.9	101	106	70-137	5	20	
1,1-Dichloroethane	ug/L	0.73J	50	50	50.4	50.6	99	100	73-153	0	20	
1,1-Dichloroethene	ug/L	0.93J	50	50	48.1	43.8	94	86	73-138	9	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	43.0	41.2	86	82	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	49.3	47.7	99	95	58-129	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	46.3	47.5	93	95	70-130	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887162 1887163

Parameter	Units	40189699002 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	<0.71	50	50	47.5	45.0	95	90	70-130	5	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	56.0	56.8	112	114	75-140	1	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	56.1	57.4	112	115	71-138	2	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	47.9	45.5	96	91	70-130	5	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50.1	47.1	100	94	70-130	6	20	
Benzene	ug/L	<0.25	50	50	52.2	53.3	104	107	70-130	2	20	
Bromodichloromethane	ug/L	<0.36	50	50	52.8	53.4	106	107	70-130	1	20	
Bromoform	ug/L	<4.0	50	50	50.1	49.8	100	100	68-129	1	20	
Bromomethane	ug/L	<0.97	50	50	30.1	28.8	60	58	15-170	5	20	
Carbon tetrachloride	ug/L	<0.17	50	50	51.6	50.8	103	102	70-130	1	20	
Chlorobenzene	ug/L	<0.71	50	50	50.5	50.6	101	101	70-130	0	20	
Chloroethane	ug/L	<1.3	50	50	52.7	48.1	105	96	51-148	9	20	
Chloroform	ug/L	<1.3	50	50	52.8	52.1	106	104	74-136	1	20	
Chloromethane	ug/L	<2.2	50	50	37.1	40.2	74	80	23-115	8	20	
cis-1,2-Dichloroethene	ug/L	16.5	50	50	65.5	65.6	98	98	70-131	0	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	51.9	52.3	104	105	70-130	1	20	
Dibromochloromethane	ug/L	<2.6	50	50	46.8	48.4	94	97	70-130	4	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	27.2	27.2	54	54	10-132	0	20	
Ethylbenzene	ug/L	<0.22	50	50	52.6	52.0	105	104	80-125	1	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	51.4	50.4	103	101	70-130	2	20	
m&p-Xylene	ug/L	<0.47	100	100	110	106	110	106	70-130	4	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	49.6	50.4	99	101	51-145	2	20	
Methylene Chloride	ug/L	<0.58	50	50	48.3	49.0	97	98	73-140	1	20	
o-Xylene	ug/L	<0.26	50	50	51.1	51.1	102	102	70-130	0	20	
Styrene	ug/L	<0.47	50	50	53.4	53.2	107	106	70-130	0	20	
Tetrachloroethene	ug/L	2.0	50	50	50.1	50.0	96	96	70-130	0	20	
Toluene	ug/L	<0.17	50	50	51.5	51.8	103	104	80-131	1	20	
trans-1,2-Dichloroethene	ug/L	9.4	50	50	54.6	53.3	90	88	73-148	2	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	46.4	47.4	93	95	70-130	2	20	
Trichloroethene	ug/L	3.0	50	50	57.2	57.4	108	109	70-130	0	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	49.0	51.1	98	102	74-147	4	20	
Vinyl chloride	ug/L	36.4	50	50	72.7	76.8	73	81	41-129	5	20	
4-Bromofluorobenzene (S)	%						99	100	70-130			
Dibromofluoromethane (S)	%						102	105	70-130			
Toluene-d8 (S)	%						99	101	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

QC Batch: 325043 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40189699019

METHOD BLANK: 1887087 Matrix: Water
Associated Lab Samples: 40189699019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	06/20/19 09:10	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	06/20/19 09:10	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	06/20/19 09:10	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	06/20/19 09:10	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/20/19 09:10	
1,1-Dichloroethene	ug/L	<0.24	1.0	06/20/19 09:10	
1,1-Dichloropropene	ug/L	<0.54	1.8	06/20/19 09:10	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	06/20/19 09:10	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	06/20/19 09:10	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	06/20/19 09:10	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	06/20/19 09:10	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	06/20/19 09:10	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	06/20/19 09:10	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	06/20/19 09:10	
1,2-Dichloroethane	ug/L	<0.28	1.0	06/20/19 09:10	
1,2-Dichloropropane	ug/L	<0.28	1.0	06/20/19 09:10	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	06/20/19 09:10	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	06/20/19 09:10	
1,3-Dichloropropane	ug/L	<0.83	2.8	06/20/19 09:10	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	06/20/19 09:10	
2,2-Dichloropropane	ug/L	<2.3	7.6	06/20/19 09:10	
2-Chlorotoluene	ug/L	<0.93	5.0	06/20/19 09:10	
4-Chlorotoluene	ug/L	<0.76	2.5	06/20/19 09:10	
Benzene	ug/L	<0.25	1.0	06/20/19 09:10	
Bromobenzene	ug/L	<0.24	1.0	06/20/19 09:10	
Bromochloromethane	ug/L	<0.36	5.0	06/20/19 09:10	
Bromodichloromethane	ug/L	<0.36	1.2	06/20/19 09:10	
Bromoform	ug/L	<4.0	13.2	06/20/19 09:10	
Bromomethane	ug/L	<0.97	5.0	06/20/19 09:10	
Carbon tetrachloride	ug/L	<0.17	1.0	06/20/19 09:10	
Chlorobenzene	ug/L	<0.71	2.4	06/20/19 09:10	
Chloroethane	ug/L	<1.3	5.0	06/20/19 09:10	
Chloroform	ug/L	<1.3	5.0	06/20/19 09:10	
Chloromethane	ug/L	<2.2	7.3	06/20/19 09:10	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	06/20/19 09:10	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	06/20/19 09:10	
Dibromochloromethane	ug/L	<2.6	8.7	06/20/19 09:10	
Dibromomethane	ug/L	<0.94	3.1	06/20/19 09:10	
Dichlorodifluoromethane	ug/L	<0.50	5.0	06/20/19 09:10	
Diisopropyl ether	ug/L	<1.9	6.3	06/20/19 09:10	
Ethylbenzene	ug/L	<0.22	1.0	06/20/19 09:10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

METHOD BLANK: 1887087 Matrix: Water
Associated Lab Samples: 40189699019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	06/20/19 09:10	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	06/20/19 09:10	
m&p-Xylene	ug/L	<0.47	2.0	06/20/19 09:10	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	06/20/19 09:10	
Methylene Chloride	ug/L	<0.58	5.0	06/20/19 09:10	
n-Butylbenzene	ug/L	<0.71	2.4	06/20/19 09:10	
n-Propylbenzene	ug/L	<0.81	5.0	06/20/19 09:10	
Naphthalene	ug/L	<1.2	5.0	06/20/19 09:10	
o-Xylene	ug/L	<0.26	1.0	06/20/19 09:10	
p-Isopropyltoluene	ug/L	<0.80	2.7	06/20/19 09:10	
sec-Butylbenzene	ug/L	<0.85	5.0	06/20/19 09:10	
Styrene	ug/L	<0.47	1.6	06/20/19 09:10	
tert-Butylbenzene	ug/L	<0.30	1.0	06/20/19 09:10	
Tetrachloroethene	ug/L	<0.33	1.1	06/20/19 09:10	
Toluene	ug/L	<0.17	5.0	06/20/19 09:10	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	06/20/19 09:10	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	06/20/19 09:10	
Trichloroethene	ug/L	<0.26	1.0	06/20/19 09:10	
Trichlorofluoromethane	ug/L	<0.21	1.0	06/20/19 09:10	
Vinyl chloride	ug/L	<0.17	1.0	06/20/19 09:10	
4-Bromofluorobenzene (S)	%	95	70-130	06/20/19 09:10	
Dibromofluoromethane (S)	%	112	70-130	06/20/19 09:10	
Toluene-d8 (S)	%	97	70-130	06/20/19 09:10	

LABORATORY CONTROL SAMPLE: 1887088

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.6	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.1	96	70-130	
1,1,2-Trichloroethane	ug/L	50	50.5	101	70-130	
1,1-Dichloroethane	ug/L	50	53.7	107	73-150	
1,1-Dichloroethene	ug/L	50	53.7	107	73-138	
1,2,4-Trichlorobenzene	ug/L	50	44.5	89	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	36.9	74	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	47.8	96	70-130	
1,2-Dichlorobenzene	ug/L	50	49.0	98	70-130	
1,2-Dichloroethane	ug/L	50	53.0	106	75-140	
1,2-Dichloropropane	ug/L	50	55.5	111	73-135	
1,3-Dichlorobenzene	ug/L	50	49.1	98	70-130	
1,4-Dichlorobenzene	ug/L	50	49.8	100	70-130	
Benzene	ug/L	50	59.7	119	70-130	
Bromodichloromethane	ug/L	50	50.7	101	70-130	
Bromoform	ug/L	50	39.2	78	68-129	
Bromomethane	ug/L	50	35.7	71	18-159	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

LABORATORY CONTROL SAMPLE: 1887088

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	53.4	107	70-130	
Chlorobenzene	ug/L	50	51.4	103	70-130	
Chloroethane	ug/L	50	48.9	98	53-147	
Chloroform	ug/L	50	55.1	110	74-136	
Chloromethane	ug/L	50	37.3	75	29-115	
cis-1,2-Dichloroethene	ug/L	50	64.5	129	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.1	96	70-130	
Dibromochloromethane	ug/L	50	46.2	92	70-130	
Dichlorodifluoromethane	ug/L	50	28.5	57	10-130	
Ethylbenzene	ug/L	50	53.3	107	80-124	
Isopropylbenzene (Cumene)	ug/L	50	52.7	105	70-130	
m&p-Xylene	ug/L	100	107	107	70-130	
Methyl-tert-butyl ether	ug/L	50	43.7	87	54-137	
Methylene Chloride	ug/L	50	54.1	108	73-138	
o-Xylene	ug/L	50	51.7	103	70-130	
Styrene	ug/L	50	53.1	106	70-130	
Tetrachloroethene	ug/L	50	49.9	100	70-130	
Toluene	ug/L	50	52.8	106	80-126	
trans-1,2-Dichloroethene	ug/L	50	53.3	107	73-145	
trans-1,3-Dichloropropene	ug/L	50	42.7	85	70-130	
Trichloroethene	ug/L	50	55.2	110	70-130	
Trichlorofluoromethane	ug/L	50	52.8	106	76-147	
Vinyl chloride	ug/L	50	43.8	88	51-120	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			110	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887176 1887177

Parameter	Units	40189754003 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	<0.24	50	50	51.1	54.5	102	109	70-130	6	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	46.6	48.6	93	97	70-130	4	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	49.1	51.5	98	103	70-137	5	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	51.3	54.3	103	109	73-153	6	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	51.8	54.3	104	109	73-138	5	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	45.1	46.4	90	92	70-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	37.6	38.9	75	78	58-129	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	46.0	48.6	92	97	70-130	5	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	47.5	49.2	95	98	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	51.0	53.9	102	108	75-140	5	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	53.7	56.3	107	113	71-138	5	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	47.6	49.3	95	99	70-130	3	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	48.6	50.2	97	100	70-130	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887176 1887177

Parameter	Units	40189754003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.25	50	50	57.1	60.5	114	121	70-130	6	20	
Bromodichloromethane	ug/L	<0.36	50	50	48.9	51.1	98	102	70-130	4	20	
Bromoform	ug/L	<4.0	50	50	38.3	39.7	77	79	68-129	4	20	
Bromomethane	ug/L	<0.97	50	50	37.2	41.0	74	82	15-170	10	20	
Carbon tetrachloride	ug/L	<0.17	50	50	51.4	54.7	103	109	70-130	6	20	
Chlorobenzene	ug/L	<0.71	50	50	49.5	51.7	99	103	70-130	4	20	
Chloroethane	ug/L	<1.3	50	50	46.5	50.1	93	100	51-148	7	20	
Chloroform	ug/L	<1.3	50	50	52.8	55.9	106	112	74-136	6	20	
Chloromethane	ug/L	<2.2	50	50	34.7	37.4	69	75	23-115	8	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	62.2	65.8	124	132	70-131	6	20	M1
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	46.8	49.2	94	98	70-130	5	20	
Dibromochloromethane	ug/L	<2.6	50	50	45.0	47.0	90	94	70-130	4	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	24.6	25.7	49	51	10-132	5	20	
Ethylbenzene	ug/L	<0.22	50	50	51.0	53.6	102	107	80-125	5	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	50.3	52.9	101	106	70-130	5	20	
m&p-Xylene	ug/L	<0.47	100	100	102	107	102	107	70-130	5	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	42.8	45.3	86	91	51-145	6	20	
Methylene Chloride	ug/L	<0.58	50	50	51.9	54.9	104	110	73-140	6	20	
o-Xylene	ug/L	<0.26	50	50	49.4	51.6	99	103	70-130	4	20	
Styrene	ug/L	<0.47	50	50	50.6	53.5	101	107	70-130	6	20	
Tetrachloroethene	ug/L	<0.33	50	50	48.2	50.5	96	101	70-130	5	20	
Toluene	ug/L	<0.17	50	50	50.4	53.2	101	106	80-131	5	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	51.2	54.1	102	108	73-148	6	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	41.5	43.9	83	88	70-130	6	20	
Trichloroethene	ug/L	<0.26	50	50	53.0	55.6	106	111	70-130	5	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	50.2	53.1	100	106	74-147	6	20	
Vinyl chloride	ug/L	<0.17	50	50	40.9	43.5	82	87	41-129	6	20	
4-Bromofluorobenzene (S)	%						100	99	70-130			
Dibromofluoromethane (S)	%						110	111	70-130			
Toluene-d8 (S)	%						97	98	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

QC Batch: 325183
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 40189699004

METHOD BLANK: 1887937
Matrix: Water
Associated Lab Samples: 40189699004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	06/21/19 06:49	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	06/21/19 06:49	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	06/21/19 06:49	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	06/21/19 06:49	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/21/19 06:49	
1,1-Dichloroethene	ug/L	<0.24	1.0	06/21/19 06:49	
1,1-Dichloropropene	ug/L	<0.54	1.8	06/21/19 06:49	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	06/21/19 06:49	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	06/21/19 06:49	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	06/21/19 06:49	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	06/21/19 06:49	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	06/21/19 06:49	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	06/21/19 06:49	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	06/21/19 06:49	
1,2-Dichloroethane	ug/L	<0.28	1.0	06/21/19 06:49	
1,2-Dichloropropane	ug/L	<0.28	1.0	06/21/19 06:49	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	06/21/19 06:49	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	06/21/19 06:49	
1,3-Dichloropropane	ug/L	<0.83	2.8	06/21/19 06:49	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	06/21/19 06:49	
2,2-Dichloropropane	ug/L	<2.3	7.6	06/21/19 06:49	
2-Chlorotoluene	ug/L	<0.93	5.0	06/21/19 06:49	
4-Chlorotoluene	ug/L	<0.76	2.5	06/21/19 06:49	
Benzene	ug/L	<0.25	1.0	06/21/19 06:49	
Bromobenzene	ug/L	<0.24	1.0	06/21/19 06:49	
Bromochloromethane	ug/L	<0.36	5.0	06/21/19 06:49	
Bromodichloromethane	ug/L	<0.36	1.2	06/21/19 06:49	
Bromoform	ug/L	<4.0	13.2	06/21/19 06:49	
Bromomethane	ug/L	<0.97	5.0	06/21/19 06:49	
Carbon tetrachloride	ug/L	<0.17	1.0	06/21/19 06:49	
Chlorobenzene	ug/L	<0.71	2.4	06/21/19 06:49	
Chloroethane	ug/L	<1.3	5.0	06/21/19 06:49	
Chloroform	ug/L	<1.3	5.0	06/21/19 06:49	
Chloromethane	ug/L	<2.2	7.3	06/21/19 06:49	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	06/21/19 06:49	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	06/21/19 06:49	
Dibromochloromethane	ug/L	<2.6	8.7	06/21/19 06:49	
Dibromomethane	ug/L	<0.94	3.1	06/21/19 06:49	
Dichlorodifluoromethane	ug/L	<0.50	5.0	06/21/19 06:49	
Diisopropyl ether	ug/L	<1.9	6.3	06/21/19 06:49	
Ethylbenzene	ug/L	<0.22	1.0	06/21/19 06:49	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

METHOD BLANK: 1887937 Matrix: Water
Associated Lab Samples: 40189699004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	06/21/19 06:49	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	06/21/19 06:49	
m&p-Xylene	ug/L	<0.47	2.0	06/21/19 06:49	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	06/21/19 06:49	
Methylene Chloride	ug/L	<0.58	5.0	06/21/19 06:49	
n-Butylbenzene	ug/L	<0.71	2.4	06/21/19 06:49	
n-Propylbenzene	ug/L	<0.81	5.0	06/21/19 06:49	
Naphthalene	ug/L	<1.2	5.0	06/21/19 06:49	
o-Xylene	ug/L	<0.26	1.0	06/21/19 06:49	
p-Isopropyltoluene	ug/L	<0.80	2.7	06/21/19 06:49	
sec-Butylbenzene	ug/L	<0.85	5.0	06/21/19 06:49	
Styrene	ug/L	<0.47	1.6	06/21/19 06:49	
tert-Butylbenzene	ug/L	<0.30	1.0	06/21/19 06:49	
Tetrachloroethene	ug/L	<0.33	1.1	06/21/19 06:49	
Toluene	ug/L	<0.17	5.0	06/21/19 06:49	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	06/21/19 06:49	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	06/21/19 06:49	
Trichloroethene	ug/L	<0.26	1.0	06/21/19 06:49	
Trichlorofluoromethane	ug/L	<0.21	1.0	06/21/19 06:49	
Vinyl chloride	ug/L	<0.17	1.0	06/21/19 06:49	
4-Bromofluorobenzene (S)	%	95	70-130	06/21/19 06:49	
Dibromofluoromethane (S)	%	112	70-130	06/21/19 06:49	
Toluene-d8 (S)	%	97	70-130	06/21/19 06:49	

LABORATORY CONTROL SAMPLE: 1887938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.9	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.1	94	70-130	
1,1,2-Trichloroethane	ug/L	50	49.2	98	70-130	
1,1-Dichloroethane	ug/L	50	50.9	102	73-150	
1,1-Dichloroethene	ug/L	50	50.8	102	73-138	
1,2,4-Trichlorobenzene	ug/L	50	43.6	87	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	36.6	73	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	46.2	92	70-130	
1,2-Dichlorobenzene	ug/L	50	47.2	94	70-130	
1,2-Dichloroethane	ug/L	50	51.1	102	75-140	
1,2-Dichloropropane	ug/L	50	54.3	109	73-135	
1,3-Dichlorobenzene	ug/L	50	47.6	95	70-130	
1,4-Dichlorobenzene	ug/L	50	48.4	97	70-130	
Benzene	ug/L	50	58.0	116	70-130	
Bromodichloromethane	ug/L	50	49.1	98	70-130	
Bromoform	ug/L	50	38.9	78	68-129	
Bromomethane	ug/L	50	31.6	63	18-159	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

LABORATORY CONTROL SAMPLE: 1887938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	51.9	104	70-130	
Chlorobenzene	ug/L	50	49.4	99	70-130	
Chloroethane	ug/L	50	46.0	92	53-147	
Chloroform	ug/L	50	53.6	107	74-136	
Chloromethane	ug/L	50	31.0	62	29-115	
cis-1,2-Dichloroethene	ug/L	50	62.8	126	70-130	
cis-1,3-Dichloropropene	ug/L	50	46.4	93	70-130	
Dibromochloromethane	ug/L	50	45.5	91	70-130	
Dichlorodifluoromethane	ug/L	50	23.3	47	10-130	
Ethylbenzene	ug/L	50	51.2	102	80-124	
Isopropylbenzene (Cumene)	ug/L	50	50.5	101	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	43.0	86	54-137	
Methylene Chloride	ug/L	50	52.2	104	73-138	
o-Xylene	ug/L	50	49.8	100	70-130	
Styrene	ug/L	50	51.1	102	70-130	
Tetrachloroethene	ug/L	50	48.9	98	70-130	
Toluene	ug/L	50	50.6	101	80-126	
trans-1,2-Dichloroethene	ug/L	50	51.2	102	73-145	
trans-1,3-Dichloropropene	ug/L	50	41.2	82	70-130	
Trichloroethene	ug/L	50	53.6	107	70-130	
Trichlorofluoromethane	ug/L	50	50.5	101	76-147	
Vinyl chloride	ug/L	50	39.1	78	51-120	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			111	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887974 1887975

Parameter	Units	40189793002 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	<0.24	50	50	52.7	54.5	105	109	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	47.4	48.7	95	97	70-130	3	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	49.8	50.9	100	102	70-137	2	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	52.3	54.4	105	109	73-153	4	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	55.0	57.1	110	114	73-138	4	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	44.6	46.2	89	92	70-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	37.6	38.8	75	78	58-129	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	47.2	48.2	94	96	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	47.3	48.8	95	98	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	50.0	53.5	100	107	75-140	7	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	53.2	55.3	106	111	71-138	4	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	47.6	49.2	95	98	70-130	3	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	48.6	50.4	97	101	70-130	4	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887974 1887975

Parameter	Units	40189793002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.25	50	50	58.3	61.0	117	122	70-130	5	20	
Bromodichloromethane	ug/L	<0.36	50	50	48.4	50.9	97	102	70-130	5	20	
Bromoform	ug/L	<4.0	50	50	39.3	40.5	79	81	68-129	3	20	
Bromomethane	ug/L	<0.97	50	50	45.9	48.8	92	98	15-170	6	20	
Carbon tetrachloride	ug/L	<0.17	50	50	53.2	55.7	106	111	70-130	5	20	
Chlorobenzene	ug/L	<0.71	50	50	49.6	51.4	99	103	70-130	4	20	
Chloroethane	ug/L	<1.3	50	50	55.3	54.0	111	108	51-148	2	20	
Chloroform	ug/L	<1.3	50	50	53.5	55.7	107	111	74-136	4	20	
Chloromethane	ug/L	<2.2	50	50	45.5	45.4	91	91	23-115	0	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	63.1	65.7	126	131	70-131	4	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	46.1	48.7	92	97	70-130	5	20	
Dibromochloromethane	ug/L	<2.6	50	50	45.4	47.2	91	94	70-130	4	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	45.5	47.4	91	95	10-132	4	20	
Ethylbenzene	ug/L	<0.22	50	50	51.5	53.3	103	107	80-125	3	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	50.6	52.6	101	105	70-130	4	20	
m&p-Xylene	ug/L	<0.47	100	100	103	107	103	107	70-130	4	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	43.3	44.9	87	90	51-145	4	20	
Methylene Chloride	ug/L	<0.58	50	50	53.2	55.6	106	111	73-140	5	20	
o-Xylene	ug/L	<0.26	50	50	49.8	51.9	100	104	70-130	4	20	
Styrene	ug/L	<0.47	50	50	51.1	53.0	102	106	70-130	4	20	
Tetrachloroethene	ug/L	0.47J	50	50	49.6	51.0	98	101	70-130	3	20	
Toluene	ug/L	<0.17	50	50	51.2	52.7	102	105	80-131	3	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	53.1	55.2	106	110	73-148	4	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	42.0	43.1	84	86	70-130	3	20	
Trichloroethene	ug/L	<0.26	50	50	52.9	55.8	106	112	70-130	5	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	56.7	58.5	113	117	74-147	3	20	
Vinyl chloride	ug/L	<0.17	50	50	51.4	53.4	103	107	41-129	4	20	
4-Bromofluorobenzene (S)	%						99	100	70-130			
Dibromofluoromethane (S)	%						110	111	70-130			
Toluene-d8 (S)	%						97	98	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

QC Batch: 324971 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40189699002, 40189699003, 40189699005, 40189699006, 40189699008, 40189699011, 40189699012, 40189699013

METHOD BLANK: 1886371 Matrix: Water
Associated Lab Samples: 40189699002, 40189699003, 40189699005, 40189699006, 40189699008, 40189699011, 40189699012, 40189699013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.075	0.22	06/19/19 10:21	
Sulfate	mg/L	<1.0	3.0	06/19/19 10:21	

LABORATORY CONTROL SAMPLE: 1886372

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	1.5	1.6	104	90-110	
Sulfate	mg/L	20	21.4	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1886373 1886374

Parameter	Units	40189699013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	<0.38	7.5	7.5	7.6	7.6	101	102	90-110	0	15	
Sulfate	mg/L	45.1	100	100	145	144	99	99	90-110	1	15	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

QC Batch: 325125 Analysis Method: EPA 310.2
QC Batch Method: EPA 310.2 Analysis Description: 310.2 Alkalinity
Associated Lab Samples: 40189699002, 40189699003, 40189699005, 40189699006, 40189699008, 40189699011, 40189699012, 40189699013

METHOD BLANK: 1887360 Matrix: Water
Associated Lab Samples: 40189699002, 40189699003, 40189699005, 40189699006, 40189699008, 40189699011, 40189699012, 40189699013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<7.0	23.5	06/21/19 10:08	

LABORATORY CONTROL SAMPLE: 1887361

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	100	95.9	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887362 1887363

Parameter	Units	40189699012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	156	200	200	303	305	74	75	90-110	1	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887364 1887365

Parameter	Units	40189665001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	2940	2000	2000	5050	4940	105	100	90-110	2	20	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

QC Batch: 325184 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 40189699008, 40189699013

METHOD BLANK: 1887939 Matrix: Water
Associated Lab Samples: 40189699008, 40189699013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.25	0.84	06/21/19 10:56	

LABORATORY CONTROL SAMPLE: 1887940

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.5	2.5	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887941 1887942

Parameter	Units	40189673001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	3.3	1	1	4.3	4.4	109	113	80-120	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887943 1887944

Parameter	Units	40189699008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	6.7	6	6	13.4	13.0	111	105	80-120	3	10	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40189699002	**OP-9**	EPA 8015B Modified	325058		
40189699003	**MW-12**	EPA 8015B Modified	325058		
40189699005	**MW-15**	EPA 8015B Modified	325058		
40189699006	**MW-20**	EPA 8015B Modified	325058		
40189699008	**MW-7R**	EPA 8015B Modified	325058		
40189699011	**MW-37R**	EPA 8015B Modified	325058		
40189699012	**MW-17R**	EPA 8015B Modified	325058		
40189699013	**MW-16**	EPA 8015B Modified	325058		
40189699002	**OP-9**	EPA 6010	325662		
40189699003	**MW-12**	EPA 6010	325662		
40189699005	**MW-15**	EPA 6010	325662		
40189699006	**MW-20**	EPA 6010	325662		
40189699008	**MW-7R**	EPA 6010	325662		
40189699011	**MW-37R**	EPA 6010	325662		
40189699012	**MW-17R**	EPA 6010	325662		
40189699013	**MW-16**	EPA 6010	325662		
40189699001	**MW-13R**	EPA 8260	325042		
40189699002	**OP-9**	EPA 8260	325042		
40189699003	**MW-12**	EPA 8260	325042		
40189699004	**OP-11**	EPA 8260	325183		
40189699005	**MW-15**	EPA 8260	325042		
40189699006	**MW-20**	EPA 8260	325042		
40189699007	**MW-8**	EPA 8260	325042		
40189699008	**MW-7R**	EPA 8260	325042		
40189699009	**RW-15**	EPA 8260	325042		
40189699010	**DUP-1**	EPA 8260	325042		
40189699011	**MW-37R**	EPA 8260	325042		
40189699012	**MW-17R**	EPA 8260	325042		
40189699013	**MW-16**	EPA 8260	325042		
40189699014	**DUP-2**	EPA 8260	325042		
40189699015	**MW-40**	EPA 8260	325042		
40189699016	**MW-18R**	EPA 8260	325042		
40189699017	**MW-39**	EPA 8260	325042		
40189699018	**TRIP-1**	EPA 8260	325042		
40189699019	**TRIP-2**	EPA 8260	325043		
40189699002	**OP-9**	EPA 300.0	324971		
40189699003	**MW-12**	EPA 300.0	324971		
40189699005	**MW-15**	EPA 300.0	324971		
40189699006	**MW-20**	EPA 300.0	324971		
40189699008	**MW-7R**	EPA 300.0	324971		
40189699011	**MW-37R**	EPA 300.0	324971		
40189699012	**MW-17R**	EPA 300.0	324971		
40189699013	**MW-16**	EPA 300.0	324971		
40189699002	**OP-9**	EPA 310.2	325125		
40189699003	**MW-12**	EPA 310.2	325125		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189699

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40189699005	**MW-15**	EPA 310.2	325125		
40189699006	**MW-20**	EPA 310.2	325125		
40189699008	**MW-7R**	EPA 310.2	325125		
40189699011	**MW-37R**	EPA 310.2	325125		
40189699012	**MW-17R**	EPA 310.2	325125		
40189699013	**MW-16**	EPA 310.2	325125		
40189699008	**MW-7R**	SM 5310C	325184		
40189699013	**MW-16**	SM 5310C	325184		

(Please Print Clearly)	
Company Name:	GZA GeoEnvironmental Inc.
Branch/Location:	Waukesha
Project Contact:	Kevin Hedinger
Phone:	262-424-1761
Project Number:	20.0155935.01
Project Name:	Trent Tube
Project State:	WI
Sampled By (Print):	Alex Amundson
Sampled By (Sign):	
PO #:	Regulatory Program:

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 2

4C0189699

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	SAME
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	VOC	Dissolved Mn+Fe	Ethane + Ethene	Nitrate + Sulfate	TOC	Alkalinity	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	B	D	B	A	A	A				
001	MW-13R	6/18/19	0830	GW			X								
002	OP-9	6/18/19	0835	GW			X	X	X	X		X			
003	MW-12	6/18/19	0926	GW			X	X	X	X		X			
004	OP-11	6/18/19	1015	GW			X								
005	MW-15	6/18/19	1056	GW			X	X(1)	X(1)	X(1)		X(1)	1056 on the Time		
006	MW-20	6/18/19	1236	GW			X	X	X	X		X			
007	MW-8	6/18/19	1329	GW			X								
008	MW-7R	6/18/19	1426	GW			X	X	X	X	X	X			
009	RW-15	6/18/19	1154	GW			X								
010	DUP-1	6/18/19	1435	GW			X								
011	MW-37R(1)	6/18/19	1428	GW			X	X	X	X		X			
012	MW-17R	6/18/19	1556	GW			X	X	X	X		X			
013	MW-16	6/18/19	1215	GW			X	X	X	X	X(1)	X			

(1) Correction per client 6/19/19 CSM

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	6/18/19 1703		
Ted Sz	6-19-19 0945	Susan Ulfig	6-19-19 0945

PACE Project No. 4C0189699

Receipt Temp = ROT °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present

Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

40189699

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

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CHAIN OF CUSTODY

(Please Print Clearly)

Company Name:	BZA GeoEnvironmental Inc.
Branch/Location:	Waukesha
Project Contact:	Kevin Hedinger
Phone:	262-424-1761
Project Number:	20.0155935.01
Project Name:	Trent Tube
Project State:	WI
Sampled By (Print):	Alex Amundson
Sampled By (Sign):	A. Amundson
PO #:	
Regulatory Program:	

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

					VOC	Disolved Mn + Fe	Ethane + Ethene	Nitrate + Sulfate	TOC	Alkalinity					
FILTERED? (YES/NO)				Y/N	N	Y	N	N	N	N					
PRESERVATION (CODE)*				Pick Letter	B	D	B	A	A	A					
PACE LAB #	**CLIENT FIELD ID**	**COLLECTION DATE**	**COLLECTION TIME**	**MATRIX**	**Analyses Requested**								**CLIENT COMMENTS**	**LAB COMMENTS (Lab Use Only)**	**Profile #**
014	Dup-2	6/18/19	—	GW	X										
015	MW-40	6/18/19	1059	GW	X										
016	MW-18R	6/18/19	1330	GW	X										
017	MW-39	6/18/19	1020	GW	X										
018	Trip-1	6/18/19	—	—	X										
019	Trip-2	6/18/19	—	—	X										

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
A. Amundson	6/18/19 1700		
Fed Ex	6-19-19 0945	Susan K Ulfe	6-19-19 0945

PACE Project No. 40189699
Receipt Temp = ROT °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: GZA

Sample Preservation Receipt Form

Project # 40189699

All containers needing preservation have been checked and noted below: ☒Yes ☐No ☐N/A

Lab Lot# of pH paper: 10145358 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: SW Date/ Time:

Pace Lab #	Glass: AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	Plastic: BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	Vials: DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	WGFU	WPFU	General: SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																		3									1						2.5 / 5 / 10
002											1		1					6													X		2.5 / 5 / 10
003											1		1					6									1				X		2.5 / 5 / 10
004																		3															2.5 / 5 / 10
005											1		1					6									1				X		2.5 / 5 / 10
006											1		1					6													X		2.5 / 5 / 10
007																		3									1						2.5 / 5 / 10
008			1								1		1					6													X		2.5 / 5 / 10
009																		3															2.5 / 5 / 10
010																		3															2.5 / 5 / 10
011											1		1					6													X		2.5 / 5 / 10
012											1		1					6													X		2.5 / 5 / 10
013			1								1		1					6													X		2.5 / 5 / 10
014																		3															2.5 / 5 / 10
015																		3															2.5 / 5 / 10
016																		3															2.5 / 5 / 10
017																		3															2.5 / 5 / 10
018																		1															2.5 / 5 / 10
019																		1															2.5 / 5 / 10
020																																	2.5 / 5 / 10

Exceptions to preservation check: ~~VOA~~, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm): ~~☒Yes~~ ☐No ☐N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: GZA

Project #: WO#: 40189699

40189699

Courier: ☐ CS Logistics ☑ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☐ Pace Other:

Tracking #: 814869396225

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - N/A **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROI Corr:

Temp Blank Present: ☐ yes ☑ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 6-19-19
Initials: SKW

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2. Client has 2 of 2 on both pages 6-19-19 SKW
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3. Pg # only 6-19-19 SKW
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☑Yes ☐No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8. Rec'd 1 BP3N, 1 BB3U for sample pt 005. 1 AG4S for sample pt 013. Added by PM 6/19/19 PG
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☐Yes ☑No ☐N/A	12. 003 – time 929 ; 011 – ID is MW37R 0015 – time unlegible on BP3U + BP3N
Trip Blank Present:	☑Yes ☐No ☐N/A	13. 6-19-19 SKW
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Alex Amundson Date/Time: 6/19/19

Comments/ Resolution:

011 - ID updated per client email. 005 + 013 - analysis added per client based on added bottles received by lab. 6/19/19 PM

Project Manager Review: CT **Date:** 6/19/19

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

June 27, 2019

Kevin Hedinger
GZA
20900 Swenson Drive
Suite 150
Waukesha, WI 53186

RE: Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Dear Kevin Hedinger:
Enclosed are the analytical results for sample(s) received by the laboratory on June 20, 2019. 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,

Christopher Hyska

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40189793001	**MW-1R**	Water	06/19/19 13:24	06/20/19 10:10
40189793002	**MW-25**	Water	06/19/19 10:52	06/20/19 10:10
40189793003	**MW-29**	Water	06/19/19 09:57	06/20/19 10:10
40189793004	**MW-27**	Water	06/19/19 12:15	06/20/19 10:10
40189793005	**DUP-3**	Water	06/19/19 12:15	06/20/19 10:10
40189793006	**MW-2**	Water	06/19/19 14:20	06/20/19 10:10
40189793007	**RW-14**	Water	06/19/19 15:37	06/20/19 10:10
40189793008	**MW-19**	Water	06/19/19 08:48	06/20/19 10:10
40189793009	**TRIP-1**	Water	06/19/19 00:00	06/20/19 10:10
40189793010	**TRIP-2**	Water	06/19/19 00:00	06/20/19 10:10
40189793011	**MW-38**	Water	06/19/19 09:21	06/20/19 10:10
40189793012	**MW-21**	Water	06/19/19 10:14	06/20/19 10:10
40189793013	**MW-11**	Water	06/19/19 11:03	06/20/19 10:10
40189793014	**MW-42**	Water	06/19/19 13:06	06/20/19 10:10
40189793015	**MW-41**	Water	06/19/19 13:37	06/20/19 10:10
40189793016	**MW-4A**	Water	06/19/19 14:27	06/20/19 10:10
40189793017	**MW-4**	Water	06/19/19 15:10	06/20/19 10:10

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SAMPLE ANALYTE COUNT

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40189793001	**MW-1R**	EPA 8015B Modified	ALD	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
40189793002	**MW-25**	EPA 8015B Modified	ALD	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
40189793003	**MW-29**	EPA 8015B Modified	ALD	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
40189793004	**MW-27**	EPA 8015B Modified	ALD	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
40189793005	**DUP-3**	EPA 8260	HNW	64	PASI-G
40189793006	**MW-2**	EPA 8015B Modified	ALD	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40189793007	**RW-14**	EPA 8260	HNW	64	PASI-G
40189793008	**MW-19**	EPA 8015B Modified	ALD	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
40189793009	**TRIP-1**	EPA 8260	HNW	64	PASI-G
40189793010	**TRIP-2**	EPA 8260	HNW	64	PASI-G
40189793011	**MW-38**	EPA 8260	HNW	64	PASI-G
40189793012	**MW-21**	EPA 8260	HNW	64	PASI-G

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SAMPLE ANALYTE COUNT

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40189793013	**MW-11**	EPA 8015B Modified	ALD	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40189793014	**MW-42**	EPA 8260	HNW	64	PASI-G
40189793015	**MW-41**	EPA 8260	HNW	64	PASI-G
40189793016	**MW-4A**	EPA 8260	HNW	64	PASI-G
40189793017	**MW-4**	EPA 8015B Modified	ALD	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G

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SUMMARY OF DETECTION

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189793001	**MW-1R**					
EPA 6010	Manganese, Dissolved	32.6	ug/L	5.0	06/25/19 23:02	
EPA 8260	1,1,1-Trichloroethane	0.76J	ug/L	1.0	06/21/19 10:57	
EPA 8260	1,1-Dichloroethane	3.3	ug/L	1.0	06/21/19 10:57	
EPA 8260	Tetrachloroethene	1.3	ug/L	1.1	06/21/19 10:57	
EPA 300.0	Nitrate as N	0.093J	mg/L	0.22	06/20/19 17:22	
EPA 300.0	Sulfate	514	mg/L	30.0	06/21/19 11:52	
EPA 310.2	Alkalinity, Total as CaCO3	269	mg/L	47.0	06/21/19 11:04	M0
40189793002	**MW-25**					
EPA 6010	Iron, Dissolved	1990	ug/L	118	06/25/19 23:05	
EPA 6010	Manganese, Dissolved	104	ug/L	5.0	06/25/19 23:05	
EPA 8260	Tetrachloroethene	0.47J	ug/L	1.1	06/21/19 09:27	
EPA 300.0	Sulfate	159	mg/L	15.0	06/21/19 12:05	
EPA 310.2	Alkalinity, Total as CaCO3	435	mg/L	47.0	06/21/19 11:06	
40189793003	**MW-29**					
EPA 6010	Manganese, Dissolved	14.1	ug/L	5.0	06/25/19 23:07	
EPA 8260	Tetrachloroethene	0.58J	ug/L	1.1	06/21/19 11:19	
EPA 300.0	Nitrate as N	5.1	mg/L	1.1	06/21/19 12:19	H5
EPA 300.0	Sulfate	448	mg/L	60.0	06/20/19 17:52	
EPA 310.2	Alkalinity, Total as CaCO3	280	mg/L	23.5	06/21/19 11:06	
40189793004	**MW-27**					
EPA 6010	Iron, Dissolved	2870	ug/L	118	06/25/19 23:10	
EPA 6010	Manganese, Dissolved	835	ug/L	5.0	06/25/19 23:10	
EPA 8260	Tetrachloroethene	0.63J	ug/L	1.1	06/21/19 11:41	
EPA 8260	Vinyl chloride	0.20J	ug/L	1.0	06/21/19 11:41	
EPA 8260	cis-1,2-Dichloroethene	0.42J	ug/L	1.0	06/21/19 11:41	
EPA 310.2	Alkalinity, Total as CaCO3	488	mg/L	47.0	06/21/19 11:09	
40189793005	**DUP-3**					
EPA 8260	Trichloroethene	15000	ug/L	100	06/22/19 02:06	
40189793006	**MW-2**					
EPA 8260	Trichloroethene	16400	ug/L	100	06/21/19 09:49	
EPA 300.0	Nitrate as N	0.14J	mg/L	0.22	06/20/19 18:57	
EPA 300.0	Sulfate	90.1	mg/L	15.0	06/21/19 13:11	
EPA 310.2	Alkalinity, Total as CaCO3	304	mg/L	23.5	06/21/19 11:10	
SM 5310C	Total Organic Carbon	3.0	mg/L	0.84	06/21/19 17:33	
40189793007	**RW-14**					
EPA 8260	1,1,1-Trichloroethane	57.7	ug/L	10.0	06/21/19 10:12	
EPA 8260	1,1-Dichloroethane	22.7	ug/L	10.0	06/21/19 10:12	
EPA 8260	Naphthalene	24.7J	ug/L	50.0	06/21/19 10:12	
EPA 8260	Trichloroethene	31.0	ug/L	10.0	06/21/19 10:12	
EPA 8260	Vinyl chloride	112	ug/L	10.0	06/21/19 10:12	
EPA 8260	cis-1,2-Dichloroethene	669	ug/L	10.0	06/21/19 10:12	
40189793008	**MW-19**					
EPA 8015B Modified	Ethane	3.5J	ug/L	5.6	06/21/19 10:40	

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SUMMARY OF DETECTION

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189793008	**MW-19**					
EPA 8015B Modified	Ethene	3.2J	ug/L	5.0	06/21/19 10:40	
EPA 6010	Iron, Dissolved	10500	ug/L	118	06/25/19 23:15	
EPA 6010	Manganese, Dissolved	950	ug/L	5.0	06/25/19 23:15	
EPA 8260	1,1-Dichloroethane	0.66J	ug/L	1.0	06/21/19 12:04	
EPA 8260	Tetrachloroethene	0.60J	ug/L	1.1	06/21/19 12:04	
EPA 8260	Vinyl chloride	10.3	ug/L	1.0	06/21/19 12:04	
EPA 8260	cis-1,2-Dichloroethene	1.5	ug/L	1.0	06/21/19 12:04	
EPA 310.2	Alkalinity, Total as CaCO3	560	mg/L	117	06/21/19 11:10	
40189793011	**MW-38**					
EPA 8260	1,1,1-Trichloroethane	0.25J	ug/L	1.0	06/21/19 14:18	
EPA 8260	Tetrachloroethene	0.43J	ug/L	1.1	06/21/19 14:18	
40189793012	**MW-21**					
EPA 8260	1,1,1-Trichloroethane	0.85J	ug/L	1.0	06/21/19 12:27	
EPA 8260	Tetrachloroethene	0.65J	ug/L	1.1	06/21/19 12:27	
40189793013	**MW-11**					
EPA 6010	Manganese, Dissolved	42.0	ug/L	5.0	06/25/19 23:17	
EPA 8260	Tetrachloroethene	0.70J	ug/L	1.1	06/21/19 12:49	
EPA 300.0	Nitrate as N	2.3	mg/L	1.1	06/20/19 19:24	
EPA 300.0	Sulfate	14.9J	mg/L	15.0	06/20/19 19:24	D3
EPA 310.2	Alkalinity, Total as CaCO3	286	mg/L	23.5	06/21/19 11:11	
SM 5310C	Total Organic Carbon	1.9	mg/L	0.84	06/21/19 17:53	
40189793014	**MW-42**					
EPA 8260	Trichloroethene	5180	ug/L	100	06/22/19 02:28	
40189793015	**MW-41**					
EPA 8260	1,1,1-Trichloroethane	1.9	ug/L	1.0	06/21/19 14:41	
EPA 8260	1,1-Dichloroethane	0.64J	ug/L	1.0	06/21/19 14:41	
EPA 8260	Tetrachloroethene	1.5	ug/L	1.1	06/21/19 14:41	
EPA 8260	Trichloroethene	27.7	ug/L	1.0	06/21/19 14:41	
EPA 8260	cis-1,2-Dichloroethene	0.39J	ug/L	1.0	06/21/19 14:41	
40189793016	**MW-4A**					
EPA 8260	Tetrachloroethene	2.3	ug/L	1.1	06/21/19 13:11	
EPA 8260	Trichloroethene	0.46J	ug/L	1.0	06/21/19 13:11	
40189793017	**MW-4**					
EPA 8260	1,1,1-Trichloroethane	3.2	ug/L	2.5	06/21/19 10:34	
EPA 8260	Tetrachloroethene	2.9	ug/L	2.7	06/21/19 10:34	
EPA 8260	Trichloroethene	112	ug/L	2.5	06/21/19 10:34	
EPA 8260	cis-1,2-Dichloroethene	1.8J	ug/L	2.5	06/21/19 10:34	
EPA 300.0	Sulfate	40.9	mg/L	3.0	06/20/19 19:37	M0
EPA 310.2	Alkalinity, Total as CaCO3	252	mg/L	23.5	06/21/19 11:11	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-1R **Lab ID: 40189793001** Collected: 06/19/19 13:24 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**<0.58**	ug/L	5.6	0.58	1		06/21/19 10:06	74-84-0	
Ethene	**<0.52**	ug/L	5.0	0.52	1		06/21/19 10:06	74-85-1	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Iron, Dissolved	**<35.4**	ug/L	118	35.4	1		06/25/19 23:02	7439-89-6	
Manganese, Dissolved	**32.6**	ug/L	5.0	1.1	1		06/25/19 23:02	7439-96-5	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/21/19 10:57	630-20-6	
1,1,1-Trichloroethane	**0.76J**	ug/L	1.0	0.24	1		06/21/19 10:57	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 10:57	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/21/19 10:57	79-00-5	
1,1-Dichloroethane	**3.3**	ug/L	1.0	0.27	1		06/21/19 10:57	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 10:57	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/21/19 10:57	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/21/19 10:57	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/21/19 10:57	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/21/19 10:57	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/21/19 10:57	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/21/19 10:57	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/21/19 10:57	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 10:57	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 10:57	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 10:57	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/21/19 10:57	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/21/19 10:57	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/21/19 10:57	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/21/19 10:57	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/21/19 10:57	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/21/19 10:57	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/21/19 10:57	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/21/19 10:57	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 10:57	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/21/19 10:57	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/21/19 10:57	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/21/19 10:57	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/21/19 10:57	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/21/19 10:57	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 10:57	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/21/19 10:57	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/21/19 10:57	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/21/19 10:57	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/21/19 10:57	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/21/19 10:57	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/21/19 10:57	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/21/19 10:57	108-20-3	

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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-1R **Lab ID: 40189793001** Collected: 06/19/19 13:24 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/21/19 10:57	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 10:57	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/21/19 10:57	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/21/19 10:57	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/21/19 10:57	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 10:57	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/21/19 10:57	100-42-5	
Tetrachloroethene	**1.3**	ug/L	1.1	0.33	1		06/21/19 10:57	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/21/19 10:57	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 10:57	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/21/19 10:57	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/21/19 10:57	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		06/21/19 10:57	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/21/19 10:57	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/21/19 10:57	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 10:57	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/21/19 10:57	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 10:57	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/21/19 10:57	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/21/19 10:57	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/21/19 10:57	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/21/19 10:57	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/21/19 10:57	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/21/19 10:57	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		1		06/21/19 10:57	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/21/19 10:57	2037-26-5	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.093J**	mg/L	0.22	0.075	1		06/20/19 17:22	14797-55-8	
Sulfate	**514**	mg/L	30.0	10.0	10		06/21/19 11:52	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**269**	mg/L	47.0	14.1	2		06/21/19 11:04		M0

Sample: MW-25 **Lab ID: 40189793002** Collected: 06/19/19 10:52 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**<0.58**	ug/L	5.6	0.58	1		06/21/19 10:12	74-84-0	
Ethene	**<0.52**	ug/L	5.0	0.52	1		06/21/19 10:12	74-85-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-25 **Lab ID: 40189793002** Collected: 06/19/19 10:52 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Iron, Dissolved	**1990**	ug/L	118	35.4	1		06/25/19 23:05	7439-89-6	
Manganese, Dissolved	**104**	ug/L	5.0	1.1	1		06/25/19 23:05	7439-96-5	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/21/19 09:27	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/21/19 09:27	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 09:27	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/21/19 09:27	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/21/19 09:27	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 09:27	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/21/19 09:27	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/21/19 09:27	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/21/19 09:27	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/21/19 09:27	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/21/19 09:27	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/21/19 09:27	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/21/19 09:27	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 09:27	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 09:27	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 09:27	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/21/19 09:27	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/21/19 09:27	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/21/19 09:27	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/21/19 09:27	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/21/19 09:27	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/21/19 09:27	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/21/19 09:27	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/21/19 09:27	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 09:27	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/21/19 09:27	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/21/19 09:27	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/21/19 09:27	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/21/19 09:27	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/21/19 09:27	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 09:27	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/21/19 09:27	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/21/19 09:27	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/21/19 09:27	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/21/19 09:27	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/21/19 09:27	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/21/19 09:27	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/21/19 09:27	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/21/19 09:27	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 09:27	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/21/19 09:27	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/21/19 09:27	1634-04-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-25 **Lab ID: 40189793002** Collected: 06/19/19 10:52 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/21/19 09:27	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 09:27	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/21/19 09:27	100-42-5	
Tetrachloroethene	**0.47J**	ug/L	1.1	0.33	1		06/21/19 09:27	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/21/19 09:27	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 09:27	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/21/19 09:27	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/21/19 09:27	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		06/21/19 09:27	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/21/19 09:27	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/21/19 09:27	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 09:27	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/21/19 09:27	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 09:27	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/21/19 09:27	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/21/19 09:27	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/21/19 09:27	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/21/19 09:27	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/21/19 09:27	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/21/19 09:27	460-00-4	
Dibromofluoromethane (S)	113	%	70-130		1		06/21/19 09:27	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/21/19 09:27	2037-26-5	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**<0.075**	mg/L	0.22	0.075	1		06/20/19 17:35	14797-55-8	
Sulfate	**159**	mg/L	15.0	5.0	5		06/21/19 12:05	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**435**	mg/L	47.0	14.1	2		06/21/19 11:06		

Sample: MW-29 **Lab ID: 40189793003** Collected: 06/19/19 09:57 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**<0.58**	ug/L	5.6	0.58	1		06/21/19 10:19	74-84-0	
Ethene	**<0.52**	ug/L	5.0	0.52	1		06/21/19 10:19	74-85-1	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Iron, Dissolved	**<35.4**	ug/L	118	35.4	1		06/25/19 23:07	7439-89-6	
Manganese, Dissolved	**14.1**	ug/L	5.0	1.1	1		06/25/19 23:07	7439-96-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-29 **Lab ID: 40189793003** Collected: 06/19/19 09:57 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/21/19 11:19	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/21/19 11:19	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 11:19	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/21/19 11:19	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/21/19 11:19	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 11:19	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/21/19 11:19	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/21/19 11:19	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/21/19 11:19	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/21/19 11:19	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/21/19 11:19	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/21/19 11:19	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/21/19 11:19	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 11:19	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 11:19	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 11:19	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/21/19 11:19	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/21/19 11:19	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/21/19 11:19	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/21/19 11:19	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/21/19 11:19	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/21/19 11:19	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/21/19 11:19	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/21/19 11:19	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 11:19	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/21/19 11:19	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/21/19 11:19	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/21/19 11:19	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/21/19 11:19	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/21/19 11:19	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 11:19	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/21/19 11:19	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/21/19 11:19	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/21/19 11:19	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/21/19 11:19	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/21/19 11:19	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/21/19 11:19	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/21/19 11:19	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/21/19 11:19	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 11:19	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/21/19 11:19	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/21/19 11:19	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/21/19 11:19	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 11:19	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/21/19 11:19	100-42-5	
Tetrachloroethene	**0.58J**	ug/L	1.1	0.33	1		06/21/19 11:19	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-29 **Lab ID: 40189793003** Collected: 06/19/19 09:57 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/21/19 11:19	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 11:19	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/21/19 11:19	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/21/19 11:19	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		06/21/19 11:19	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/21/19 11:19	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/21/19 11:19	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 11:19	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/21/19 11:19	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 11:19	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/21/19 11:19	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/21/19 11:19	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/21/19 11:19	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/21/19 11:19	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/21/19 11:19	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/21/19 11:19	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		1		06/21/19 11:19	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/21/19 11:19	2037-26-5	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**5.1**	mg/L	1.1	0.38	5		06/21/19 12:19	14797-55-8	H5
Sulfate	**448**	mg/L	60.0	20.0	20		06/20/19 17:52	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**280**	mg/L	23.5	7.0	1		06/21/19 11:06		

Sample: MW-27 **Lab ID: 40189793004** Collected: 06/19/19 12:15 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**<0.58**	ug/L	5.6	0.58	1		06/21/19 10:26	74-84-0	
Ethene	**<0.52**	ug/L	5.0	0.52	1		06/21/19 10:26	74-85-1	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Iron, Dissolved	**2870**	ug/L	118	35.4	1		06/25/19 23:10	7439-89-6	
Manganese, Dissolved	**835**	ug/L	5.0	1.1	1		06/25/19 23:10	7439-96-5	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/21/19 11:41	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/21/19 11:41	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 11:41	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/21/19 11:41	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-27 **Lab ID: 40189793004** Collected: 06/19/19 12:15 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/21/19 11:41	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 11:41	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/21/19 11:41	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/21/19 11:41	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/21/19 11:41	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/21/19 11:41	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/21/19 11:41	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/21/19 11:41	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/21/19 11:41	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 11:41	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 11:41	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 11:41	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/21/19 11:41	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/21/19 11:41	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/21/19 11:41	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/21/19 11:41	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/21/19 11:41	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/21/19 11:41	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/21/19 11:41	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/21/19 11:41	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 11:41	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/21/19 11:41	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/21/19 11:41	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/21/19 11:41	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/21/19 11:41	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/21/19 11:41	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 11:41	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/21/19 11:41	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/21/19 11:41	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/21/19 11:41	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/21/19 11:41	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/21/19 11:41	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/21/19 11:41	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/21/19 11:41	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/21/19 11:41	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 11:41	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/21/19 11:41	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/21/19 11:41	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/21/19 11:41	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 11:41	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/21/19 11:41	100-42-5	
Tetrachloroethene	**0.63J**	ug/L	1.1	0.33	1		06/21/19 11:41	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/21/19 11:41	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 11:41	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/21/19 11:41	75-69-4	
Vinyl chloride	**0.20J**	ug/L	1.0	0.17	1		06/21/19 11:41	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-27 **Lab ID: 40189793004** Collected: 06/19/19 12:15 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	**0.42J**	ug/L	1.0	0.27	1		06/21/19 11:41	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/21/19 11:41	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/21/19 11:41	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 11:41	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/21/19 11:41	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 11:41	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/21/19 11:41	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/21/19 11:41	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/21/19 11:41	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/21/19 11:41	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/21/19 11:41	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/21/19 11:41	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		1		06/21/19 11:41	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/21/19 11:41	2037-26-5	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**<0.38**	mg/L	1.1	0.38	5		06/20/19 18:05	14797-55-8	D3
Sulfate	**<5.0**	mg/L	15.0	5.0	5		06/20/19 18:05	14808-79-8	D3
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**488**	mg/L	47.0	14.1	2		06/21/19 11:09		

Sample: DUP-3 **Lab ID: 40189793005** Collected: 06/19/19 12:15 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<26.9**	ug/L	100	26.9	100		06/22/19 02:06	630-20-6	
1,1,1-Trichloroethane	**<24.5**	ug/L	100	24.5	100		06/22/19 02:06	71-55-6	
1,1,2,2-Tetrachloroethane	**<27.5**	ug/L	100	27.5	100		06/22/19 02:06	79-34-5	
1,1,2-Trichloroethane	**<55.2**	ug/L	500	55.2	100		06/22/19 02:06	79-00-5	
1,1-Dichloroethane	**<27.3**	ug/L	100	27.3	100		06/22/19 02:06	75-34-3	
1,1-Dichloroethene	**<24.5**	ug/L	100	24.5	100		06/22/19 02:06	75-35-4	
1,1-Dichloropropene	**<54.0**	ug/L	180	54.0	100		06/22/19 02:06	563-58-6	
1,2,3-Trichlorobenzene	**<62.6**	ug/L	500	62.6	100		06/22/19 02:06	87-61-6	
1,2,3-Trichloropropane	**<59.1**	ug/L	500	59.1	100		06/22/19 02:06	96-18-4	
1,2,4-Trichlorobenzene	**<95.1**	ug/L	500	95.1	100		06/22/19 02:06	120-82-1	
1,2,4-Trimethylbenzene	**<84.1**	ug/L	280	84.1	100		06/22/19 02:06	95-63-6	
1,2-Dibromo-3-chloropropane	**<176**	ug/L	588	176	100		06/22/19 02:06	96-12-8	
1,2-Dibromoethane (EDB)	**<82.9**	ug/L	276	82.9	100		06/22/19 02:06	106-93-4	
1,2-Dichlorobenzene	**<70.5**	ug/L	235	70.5	100		06/22/19 02:06	95-50-1	
1,2-Dichloroethane	**<28.0**	ug/L	100	28.0	100		06/22/19 02:06	107-06-2	
1,2-Dichloropropane	**<28.3**	ug/L	100	28.3	100		06/22/19 02:06	78-87-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: DUP-3 **Lab ID: 40189793005** Collected: 06/19/19 12:15 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3,5-Trimethylbenzene	**<87.3**	ug/L	291	87.3	100		06/22/19 02:06	108-67-8	
1,3-Dichlorobenzene	**<62.8**	ug/L	209	62.8	100		06/22/19 02:06	541-73-1	
1,3-Dichloropropane	**<82.6**	ug/L	275	82.6	100		06/22/19 02:06	142-28-9	
1,4-Dichlorobenzene	**<94.4**	ug/L	315	94.4	100		06/22/19 02:06	106-46-7	
2,2-Dichloropropane	**<227**	ug/L	755	227	100		06/22/19 02:06	594-20-7	
2-Chlorotoluene	**<92.6**	ug/L	500	92.6	100		06/22/19 02:06	95-49-8	
4-Chlorotoluene	**<75.6**	ug/L	252	75.6	100		06/22/19 02:06	106-43-4	
Benzene	**<24.6**	ug/L	100	24.6	100		06/22/19 02:06	71-43-2	
Bromobenzene	**<24.1**	ug/L	100	24.1	100		06/22/19 02:06	108-86-1	
Bromochloromethane	**<36.2**	ug/L	500	36.2	100		06/22/19 02:06	74-97-5	
Bromodichloromethane	**<36.4**	ug/L	121	36.4	100		06/22/19 02:06	75-27-4	
Bromoform	**<397**	ug/L	1320	397	100		06/22/19 02:06	75-25-2	
Bromomethane	**<97.1**	ug/L	500	97.1	100		06/22/19 02:06	74-83-9	
Carbon tetrachloride	**<16.6**	ug/L	100	16.6	100		06/22/19 02:06	56-23-5	
Chlorobenzene	**<71.1**	ug/L	237	71.1	100		06/22/19 02:06	108-90-7	
Chloroethane	**<134**	ug/L	500	134	100		06/22/19 02:06	75-00-3	
Chloroform	**<127**	ug/L	500	127	100		06/22/19 02:06	67-66-3	
Chloromethane	**<219**	ug/L	730	219	100		06/22/19 02:06	74-87-3	
Dibromochloromethane	**<260**	ug/L	867	260	100		06/22/19 02:06	124-48-1	
Dibromomethane	**<93.7**	ug/L	312	93.7	100		06/22/19 02:06	74-95-3	
Dichlorodifluoromethane	**<50.0**	ug/L	500	50.0	100		06/22/19 02:06	75-71-8	
Diisopropyl ether	**<189**	ug/L	629	189	100		06/22/19 02:06	108-20-3	
Ethylbenzene	**<21.8**	ug/L	100	21.8	100		06/22/19 02:06	100-41-4	
Hexachloro-1,3-butadiene	**<118**	ug/L	500	118	100		06/22/19 02:06	87-68-3	
Isopropylbenzene (Cumene)	**<39.3**	ug/L	500	39.3	100		06/22/19 02:06	98-82-8	
Methyl-tert-butyl ether	**<125**	ug/L	415	125	100		06/22/19 02:06	1634-04-4	
Methylene Chloride	**<58.1**	ug/L	500	58.1	100		06/22/19 02:06	75-09-2	
Naphthalene	**<118**	ug/L	500	118	100		06/22/19 02:06	91-20-3	
Styrene	**<46.5**	ug/L	155	46.5	100		06/22/19 02:06	100-42-5	
Tetrachloroethene	**<32.6**	ug/L	109	32.6	100		06/22/19 02:06	127-18-4	
Toluene	**<17.2**	ug/L	500	17.2	100		06/22/19 02:06	108-88-3	
Trichloroethene	**15000**	ug/L	100	25.5	100		06/22/19 02:06	79-01-6	
Trichlorofluoromethane	**<21.5**	ug/L	100	21.5	100		06/22/19 02:06	75-69-4	
Vinyl chloride	**<17.5**	ug/L	100	17.5	100		06/22/19 02:06	75-01-4	
cis-1,2-Dichloroethene	**<27.1**	ug/L	100	27.1	100		06/22/19 02:06	156-59-2	
cis-1,3-Dichloropropene	**<363**	ug/L	1210	363	100		06/22/19 02:06	10061-01-5	
m&p-Xylene	**<46.5**	ug/L	200	46.5	100		06/22/19 02:06	179601-23-1	
n-Butylbenzene	**<70.8**	ug/L	236	70.8	100		06/22/19 02:06	104-51-8	
n-Propylbenzene	**<81.1**	ug/L	500	81.1	100		06/22/19 02:06	103-65-1	
o-Xylene	**<26.2**	ug/L	100	26.2	100		06/22/19 02:06	95-47-6	
p-Isopropyltoluene	**<80.0**	ug/L	267	80.0	100		06/22/19 02:06	99-87-6	
sec-Butylbenzene	**<84.9**	ug/L	500	84.9	100		06/22/19 02:06	135-98-8	
tert-Butylbenzene	**<30.4**	ug/L	101	30.4	100		06/22/19 02:06	98-06-6	
trans-1,2-Dichloroethene	**<109**	ug/L	364	109	100		06/22/19 02:06	156-60-5	
trans-1,3-Dichloropropene	**<437**	ug/L	1460	437	100		06/22/19 02:06	10061-02-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: DUP-3 **Lab ID: 40189793005** Collected: 06/19/19 12:15 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		100		06/22/19 02:06	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		100		06/22/19 02:06	1868-53-7	
Toluene-d8 (S)	96	%	70-130		100		06/22/19 02:06	2037-26-5	

Sample: MW-2 **Lab ID: 40189793006** Collected: 06/19/19 14:20 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**<0.58**	ug/L	5.6	0.58	1		06/21/19 10:33	74-84-0	
Ethene	**<0.52**	ug/L	5.0	0.52	1		06/21/19 10:33	74-85-1	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Iron, Dissolved	**<35.4**	ug/L	118	35.4	1		06/25/19 23:12	7439-89-6	
Manganese, Dissolved	**<1.1**	ug/L	5.0	1.1	1		06/25/19 23:12	7439-96-5	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<26.9**	ug/L	100	26.9	100		06/21/19 09:49	630-20-6	
1,1,1-Trichloroethane	**<24.5**	ug/L	100	24.5	100		06/21/19 09:49	71-55-6	
1,1,2,2-Tetrachloroethane	**<27.5**	ug/L	100	27.5	100		06/21/19 09:49	79-34-5	
1,1,2-Trichloroethane	**<55.2**	ug/L	500	55.2	100		06/21/19 09:49	79-00-5	
1,1-Dichloroethane	**<27.3**	ug/L	100	27.3	100		06/21/19 09:49	75-34-3	
1,1-Dichloroethene	**<24.5**	ug/L	100	24.5	100		06/21/19 09:49	75-35-4	
1,1-Dichloropropene	**<54.0**	ug/L	180	54.0	100		06/21/19 09:49	563-58-6	
1,2,3-Trichlorobenzene	**<62.6**	ug/L	500	62.6	100		06/21/19 09:49	87-61-6	
1,2,3-Trichloropropane	**<59.1**	ug/L	500	59.1	100		06/21/19 09:49	96-18-4	
1,2,4-Trichlorobenzene	**<95.1**	ug/L	500	95.1	100		06/21/19 09:49	120-82-1	
1,2,4-Trimethylbenzene	**<84.1**	ug/L	280	84.1	100		06/21/19 09:49	95-63-6	
1,2-Dibromo-3-chloropropane	**<176**	ug/L	588	176	100		06/21/19 09:49	96-12-8	
1,2-Dibromoethane (EDB)	**<82.9**	ug/L	276	82.9	100		06/21/19 09:49	106-93-4	
1,2-Dichlorobenzene	**<70.5**	ug/L	235	70.5	100		06/21/19 09:49	95-50-1	
1,2-Dichloroethane	**<28.0**	ug/L	100	28.0	100		06/21/19 09:49	107-06-2	
1,2-Dichloropropane	**<28.3**	ug/L	100	28.3	100		06/21/19 09:49	78-87-5	
1,3,5-Trimethylbenzene	**<87.3**	ug/L	291	87.3	100		06/21/19 09:49	108-67-8	
1,3-Dichlorobenzene	**<62.8**	ug/L	209	62.8	100		06/21/19 09:49	541-73-1	
1,3-Dichloropropane	**<82.6**	ug/L	275	82.6	100		06/21/19 09:49	142-28-9	
1,4-Dichlorobenzene	**<94.4**	ug/L	315	94.4	100		06/21/19 09:49	106-46-7	
2,2-Dichloropropane	**<227**	ug/L	755	227	100		06/21/19 09:49	594-20-7	
2-Chlorotoluene	**<92.6**	ug/L	500	92.6	100		06/21/19 09:49	95-49-8	
4-Chlorotoluene	**<75.6**	ug/L	252	75.6	100		06/21/19 09:49	106-43-4	
Benzene	**<24.6**	ug/L	100	24.6	100		06/21/19 09:49	71-43-2	
Bromobenzene	**<24.1**	ug/L	100	24.1	100		06/21/19 09:49	108-86-1	
Bromochloromethane	**<36.2**	ug/L	500	36.2	100		06/21/19 09:49	74-97-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-2 **Lab ID: 40189793006** Collected: 06/19/19 14:20 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromodichloromethane	**<36.4**	ug/L	121	36.4	100		06/21/19 09:49	75-27-4	
Bromoform	**<397**	ug/L	1320	397	100		06/21/19 09:49	75-25-2	
Bromomethane	**<97.1**	ug/L	500	97.1	100		06/21/19 09:49	74-83-9	
Carbon tetrachloride	**<16.6**	ug/L	100	16.6	100		06/21/19 09:49	56-23-5	
Chlorobenzene	**<71.1**	ug/L	237	71.1	100		06/21/19 09:49	108-90-7	
Chloroethane	**<134**	ug/L	500	134	100		06/21/19 09:49	75-00-3	
Chloroform	**<127**	ug/L	500	127	100		06/21/19 09:49	67-66-3	
Chloromethane	**<219**	ug/L	730	219	100		06/21/19 09:49	74-87-3	
Dibromochloromethane	**<260**	ug/L	867	260	100		06/21/19 09:49	124-48-1	
Dibromomethane	**<93.7**	ug/L	312	93.7	100		06/21/19 09:49	74-95-3	
Dichlorodifluoromethane	**<50.0**	ug/L	500	50.0	100		06/21/19 09:49	75-71-8	
Diisopropyl ether	**<189**	ug/L	629	189	100		06/21/19 09:49	108-20-3	
Ethylbenzene	**<21.8**	ug/L	100	21.8	100		06/21/19 09:49	100-41-4	
Hexachloro-1,3-butadiene	**<118**	ug/L	500	118	100		06/21/19 09:49	87-68-3	
Isopropylbenzene (Cumene)	**<39.3**	ug/L	500	39.3	100		06/21/19 09:49	98-82-8	
Methyl-tert-butyl ether	**<125**	ug/L	415	125	100		06/21/19 09:49	1634-04-4	
Methylene Chloride	**<58.1**	ug/L	500	58.1	100		06/21/19 09:49	75-09-2	
Naphthalene	**<118**	ug/L	500	118	100		06/21/19 09:49	91-20-3	
Styrene	**<46.5**	ug/L	155	46.5	100		06/21/19 09:49	100-42-5	
Tetrachloroethene	**<32.6**	ug/L	109	32.6	100		06/21/19 09:49	127-18-4	
Toluene	**<17.2**	ug/L	500	17.2	100		06/21/19 09:49	108-88-3	
Trichloroethene	**16400**	ug/L	100	25.5	100		06/21/19 09:49	79-01-6	
Trichlorofluoromethane	**<21.5**	ug/L	100	21.5	100		06/21/19 09:49	75-69-4	
Vinyl chloride	**<17.5**	ug/L	100	17.5	100		06/21/19 09:49	75-01-4	
cis-1,2-Dichloroethene	**<27.1**	ug/L	100	27.1	100		06/21/19 09:49	156-59-2	
cis-1,3-Dichloropropene	**<363**	ug/L	1210	363	100		06/21/19 09:49	10061-01-5	
m&p-Xylene	**<46.5**	ug/L	200	46.5	100		06/21/19 09:49	179601-23-1	
n-Butylbenzene	**<70.8**	ug/L	236	70.8	100		06/21/19 09:49	104-51-8	
n-Propylbenzene	**<81.1**	ug/L	500	81.1	100		06/21/19 09:49	103-65-1	
o-Xylene	**<26.2**	ug/L	100	26.2	100		06/21/19 09:49	95-47-6	
p-Isopropyltoluene	**<80.0**	ug/L	267	80.0	100		06/21/19 09:49	99-87-6	
sec-Butylbenzene	**<84.9**	ug/L	500	84.9	100		06/21/19 09:49	135-98-8	
tert-Butylbenzene	**<30.4**	ug/L	101	30.4	100		06/21/19 09:49	98-06-6	
trans-1,2-Dichloroethene	**<109**	ug/L	364	109	100		06/21/19 09:49	156-60-5	
trans-1,3-Dichloropropene	**<437**	ug/L	1460	437	100		06/21/19 09:49	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		100		06/21/19 09:49	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		100		06/21/19 09:49	1868-53-7	
Toluene-d8 (S)	96	%	70-130		100		06/21/19 09:49	2037-26-5	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.14J**	mg/L	0.22	0.075	1		06/20/19 18:57	14797-55-8	
Sulfate	**90.1**	mg/L	15.0	5.0	5		06/21/19 13:11	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**304**	mg/L	23.5	7.0	1		06/21/19 11:10		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-2 **Lab ID: 40189793006** Collected: 06/19/19 14:20 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC	Analytical Method: SM 5310C								
Total Organic Carbon	**3.0**	mg/L	0.84	0.25	1		06/21/19 17:33	7440-44-0	

Sample: RW-14 **Lab ID: 40189793007** Collected: 06/19/19 15:37 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		06/21/19 10:12	630-20-6	
1,1,1-Trichloroethane	**57.7**	ug/L	10.0	2.4	10		06/21/19 10:12	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		06/21/19 10:12	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		06/21/19 10:12	79-00-5	
1,1-Dichloroethane	**22.7**	ug/L	10.0	2.7	10		06/21/19 10:12	75-34-3	
1,1-Dichloroethene	**<2.4**	ug/L	10.0	2.4	10		06/21/19 10:12	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		06/21/19 10:12	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		06/21/19 10:12	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		06/21/19 10:12	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		06/21/19 10:12	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		06/21/19 10:12	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		06/21/19 10:12	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		06/21/19 10:12	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		06/21/19 10:12	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		06/21/19 10:12	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		06/21/19 10:12	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		06/21/19 10:12	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		06/21/19 10:12	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		06/21/19 10:12	142-28-9	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		06/21/19 10:12	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		06/21/19 10:12	594-20-7	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		06/21/19 10:12	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		06/21/19 10:12	106-43-4	
Benzene	**<2.5**	ug/L	10.0	2.5	10		06/21/19 10:12	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		06/21/19 10:12	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		06/21/19 10:12	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		06/21/19 10:12	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		06/21/19 10:12	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		06/21/19 10:12	74-83-9	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		06/21/19 10:12	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		06/21/19 10:12	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		06/21/19 10:12	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		06/21/19 10:12	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		06/21/19 10:12	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		06/21/19 10:12	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		06/21/19 10:12	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		06/21/19 10:12	75-71-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: RW-14 **Lab ID: 40189793007** Collected: 06/19/19 15:37 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		06/21/19 10:12	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		06/21/19 10:12	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		06/21/19 10:12	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		06/21/19 10:12	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/21/19 10:12	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		06/21/19 10:12	75-09-2	
Naphthalene	**24.7J**	ug/L	50.0	11.8	10		06/21/19 10:12	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		06/21/19 10:12	100-42-5	
Tetrachloroethene	**<3.3**	ug/L	10.9	3.3	10		06/21/19 10:12	127-18-4	
Toluene	**<1.7**	ug/L	50.0	1.7	10		06/21/19 10:12	108-88-3	
Trichloroethene	**31.0**	ug/L	10.0	2.6	10		06/21/19 10:12	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		06/21/19 10:12	75-69-4	
Vinyl chloride	**112**	ug/L	10.0	1.7	10		06/21/19 10:12	75-01-4	
cis-1,2-Dichloroethene	**669**	ug/L	10.0	2.7	10		06/21/19 10:12	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		06/21/19 10:12	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		06/21/19 10:12	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		06/21/19 10:12	104-51-8	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		06/21/19 10:12	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		06/21/19 10:12	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		06/21/19 10:12	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		06/21/19 10:12	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		06/21/19 10:12	98-06-6	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		06/21/19 10:12	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		06/21/19 10:12	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		10		06/21/19 10:12	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		10		06/21/19 10:12	1868-53-7	
Toluene-d8 (S)	97	%	70-130		10		06/21/19 10:12	2037-26-5	

Sample: MW-19 **Lab ID: 40189793008** Collected: 06/19/19 08:48 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**3.5J**	ug/L	5.6	0.58	1		06/21/19 10:40	74-84-0	
Ethene	**3.2J**	ug/L	5.0	0.52	1		06/21/19 10:40	74-85-1	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Iron, Dissolved	**10500**	ug/L	118	35.4	1		06/25/19 23:15	7439-89-6	
Manganese, Dissolved	**950**	ug/L	5.0	1.1	1		06/25/19 23:15	7439-96-5	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/21/19 12:04	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/21/19 12:04	71-55-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-19 **Lab ID: 40189793008** Collected: 06/19/19 08:48 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 12:04	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/21/19 12:04	79-00-5	
1,1-Dichloroethane	**0.66J**	ug/L	1.0	0.27	1		06/21/19 12:04	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 12:04	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/21/19 12:04	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/21/19 12:04	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/21/19 12:04	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/21/19 12:04	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/21/19 12:04	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/21/19 12:04	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/21/19 12:04	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 12:04	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 12:04	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 12:04	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/21/19 12:04	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/21/19 12:04	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/21/19 12:04	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/21/19 12:04	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/21/19 12:04	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/21/19 12:04	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/21/19 12:04	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/21/19 12:04	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 12:04	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/21/19 12:04	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/21/19 12:04	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/21/19 12:04	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/21/19 12:04	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/21/19 12:04	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 12:04	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/21/19 12:04	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/21/19 12:04	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/21/19 12:04	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/21/19 12:04	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/21/19 12:04	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/21/19 12:04	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/21/19 12:04	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/21/19 12:04	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 12:04	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/21/19 12:04	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/21/19 12:04	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/21/19 12:04	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 12:04	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/21/19 12:04	100-42-5	
Tetrachloroethene	**0.60J**	ug/L	1.1	0.33	1		06/21/19 12:04	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/21/19 12:04	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 12:04	79-01-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-19 **Lab ID: 40189793008** Collected: 06/19/19 08:48 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/21/19 12:04	75-69-4	
Vinyl chloride	**10.3**	ug/L	1.0	0.17	1		06/21/19 12:04	75-01-4	
cis-1,2-Dichloroethene	**1.5**	ug/L	1.0	0.27	1		06/21/19 12:04	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/21/19 12:04	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/21/19 12:04	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 12:04	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/21/19 12:04	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 12:04	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/21/19 12:04	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/21/19 12:04	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/21/19 12:04	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/21/19 12:04	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/21/19 12:04	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/21/19 12:04	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		06/21/19 12:04	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		06/21/19 12:04	2037-26-5	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**<0.38**	mg/L	1.1	0.38	5		06/20/19 19:11	14797-55-8	D3
Sulfate	**<5.0**	mg/L	15.0	5.0	5		06/20/19 19:11	14808-79-8	D3
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**560**	mg/L	117	35.2	5		06/21/19 11:10		

Sample: TRIP-1 **Lab ID: 40189793009** Collected: 06/19/19 00:00 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/22/19 01:21	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/22/19 01:21	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/22/19 01:21	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/22/19 01:21	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/22/19 01:21	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/22/19 01:21	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/22/19 01:21	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/22/19 01:21	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/22/19 01:21	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/22/19 01:21	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/22/19 01:21	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/22/19 01:21	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/22/19 01:21	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/22/19 01:21	95-50-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: TRIP-1 **Lab ID: 40189793009** Collected: 06/19/19 00:00 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/22/19 01:21	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/22/19 01:21	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/22/19 01:21	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/22/19 01:21	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/22/19 01:21	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/22/19 01:21	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/22/19 01:21	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/22/19 01:21	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/22/19 01:21	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/22/19 01:21	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/22/19 01:21	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/22/19 01:21	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/22/19 01:21	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/22/19 01:21	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/22/19 01:21	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/22/19 01:21	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/22/19 01:21	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/22/19 01:21	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/22/19 01:21	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/22/19 01:21	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/22/19 01:21	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/22/19 01:21	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/22/19 01:21	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/22/19 01:21	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/22/19 01:21	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/22/19 01:21	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/22/19 01:21	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/22/19 01:21	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/22/19 01:21	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/22/19 01:21	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/22/19 01:21	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		06/22/19 01:21	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/22/19 01:21	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/22/19 01:21	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/22/19 01:21	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/22/19 01:21	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		06/22/19 01:21	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/22/19 01:21	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/22/19 01:21	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/22/19 01:21	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/22/19 01:21	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/22/19 01:21	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/22/19 01:21	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/22/19 01:21	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/22/19 01:21	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/22/19 01:21	156-60-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: TRIP-1 **Lab ID: 40189793009** Collected: 06/19/19 00:00 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/22/19 01:21	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/22/19 01:21	460-00-4	HS
Dibromofluoromethane (S)	115	%	70-130		1		06/22/19 01:21	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		06/22/19 01:21	2037-26-5	

Sample: TRIP-2 **Lab ID: 40189793010** Collected: 06/19/19 00:00 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/22/19 01:44	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/22/19 01:44	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/22/19 01:44	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/22/19 01:44	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/22/19 01:44	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/22/19 01:44	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/22/19 01:44	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/22/19 01:44	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/22/19 01:44	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/22/19 01:44	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/22/19 01:44	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/22/19 01:44	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/22/19 01:44	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/22/19 01:44	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/22/19 01:44	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/22/19 01:44	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/22/19 01:44	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/22/19 01:44	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/22/19 01:44	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/22/19 01:44	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/22/19 01:44	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/22/19 01:44	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/22/19 01:44	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/22/19 01:44	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/22/19 01:44	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/22/19 01:44	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/22/19 01:44	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/22/19 01:44	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/22/19 01:44	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/22/19 01:44	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/22/19 01:44	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/22/19 01:44	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/22/19 01:44	67-66-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: TRIP-2 **Lab ID: 40189793010** Collected: 06/19/19 00:00 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/22/19 01:44	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/22/19 01:44	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/22/19 01:44	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/22/19 01:44	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/22/19 01:44	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/22/19 01:44	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/22/19 01:44	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/22/19 01:44	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/22/19 01:44	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/22/19 01:44	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/22/19 01:44	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/22/19 01:44	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		06/22/19 01:44	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/22/19 01:44	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/22/19 01:44	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/22/19 01:44	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/22/19 01:44	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		06/22/19 01:44	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/22/19 01:44	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/22/19 01:44	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/22/19 01:44	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/22/19 01:44	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/22/19 01:44	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/22/19 01:44	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/22/19 01:44	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/22/19 01:44	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/22/19 01:44	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/22/19 01:44	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/22/19 01:44	460-00-4	HS
Dibromofluoromethane (S)	114	%	70-130		1		06/22/19 01:44	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		06/22/19 01:44	2037-26-5	

Sample: MW-38 **Lab ID: 40189793011** Collected: 06/19/19 09:21 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/21/19 14:18	630-20-6	
1,1,1-Trichloroethane	**0.25J**	ug/L	1.0	0.24	1		06/21/19 14:18	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 14:18	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/21/19 14:18	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/21/19 14:18	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 14:18	75-35-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-38 **Lab ID: 40189793011** Collected: 06/19/19 09:21 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/21/19 14:18	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/21/19 14:18	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/21/19 14:18	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/21/19 14:18	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/21/19 14:18	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/21/19 14:18	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/21/19 14:18	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 14:18	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 14:18	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 14:18	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/21/19 14:18	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/21/19 14:18	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/21/19 14:18	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/21/19 14:18	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/21/19 14:18	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/21/19 14:18	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/21/19 14:18	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/21/19 14:18	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 14:18	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/21/19 14:18	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/21/19 14:18	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/21/19 14:18	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/21/19 14:18	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/21/19 14:18	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 14:18	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/21/19 14:18	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/21/19 14:18	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/21/19 14:18	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/21/19 14:18	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/21/19 14:18	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/21/19 14:18	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/21/19 14:18	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/21/19 14:18	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 14:18	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/21/19 14:18	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/21/19 14:18	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/21/19 14:18	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 14:18	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/21/19 14:18	100-42-5	
Tetrachloroethene	**0.43J**	ug/L	1.1	0.33	1		06/21/19 14:18	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/21/19 14:18	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 14:18	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/21/19 14:18	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/21/19 14:18	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		06/21/19 14:18	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/21/19 14:18	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-38 **Lab ID: 40189793011** Collected: 06/19/19 09:21 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/21/19 14:18	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 14:18	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/21/19 14:18	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 14:18	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/21/19 14:18	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/21/19 14:18	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/21/19 14:18	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/21/19 14:18	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/21/19 14:18	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/21/19 14:18	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		1		06/21/19 14:18	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		06/21/19 14:18	2037-26-5	

Sample: MW-21 **Lab ID: 40189793012** Collected: 06/19/19 10:14 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/21/19 12:27	630-20-6	
1,1,1-Trichloroethane	**0.85J**	ug/L	1.0	0.24	1		06/21/19 12:27	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 12:27	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/21/19 12:27	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/21/19 12:27	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 12:27	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/21/19 12:27	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/21/19 12:27	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/21/19 12:27	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/21/19 12:27	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/21/19 12:27	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/21/19 12:27	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/21/19 12:27	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 12:27	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 12:27	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 12:27	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/21/19 12:27	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/21/19 12:27	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/21/19 12:27	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/21/19 12:27	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/21/19 12:27	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/21/19 12:27	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/21/19 12:27	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/21/19 12:27	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 12:27	108-86-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-21 **Lab ID: 40189793012** Collected: 06/19/19 10:14 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/21/19 12:27	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/21/19 12:27	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/21/19 12:27	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/21/19 12:27	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/21/19 12:27	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 12:27	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/21/19 12:27	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/21/19 12:27	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/21/19 12:27	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/21/19 12:27	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/21/19 12:27	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/21/19 12:27	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/21/19 12:27	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/21/19 12:27	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 12:27	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/21/19 12:27	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/21/19 12:27	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/21/19 12:27	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 12:27	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/21/19 12:27	100-42-5	
Tetrachloroethene	**0.65J**	ug/L	1.1	0.33	1		06/21/19 12:27	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/21/19 12:27	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 12:27	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/21/19 12:27	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/21/19 12:27	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		06/21/19 12:27	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/21/19 12:27	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/21/19 12:27	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 12:27	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/21/19 12:27	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 12:27	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/21/19 12:27	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/21/19 12:27	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/21/19 12:27	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/21/19 12:27	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/21/19 12:27	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/21/19 12:27	460-00-4	
Dibromofluoromethane (S)	113	%	70-130		1		06/21/19 12:27	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		06/21/19 12:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-11 **Lab ID: 40189793013** Collected: 06/19/19 11:03 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**<0.58**	ug/L	5.6	0.58	1		06/21/19 10:47	74-84-0	
Ethene	**<0.52**	ug/L	5.0	0.52	1		06/21/19 10:47	74-85-1	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Iron, Dissolved	**<35.4**	ug/L	118	35.4	1		06/25/19 23:17	7439-89-6	
Manganese, Dissolved	**42.0**	ug/L	5.0	1.1	1		06/25/19 23:17	7439-96-5	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/21/19 12:49	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/21/19 12:49	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 12:49	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/21/19 12:49	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/21/19 12:49	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 12:49	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/21/19 12:49	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/21/19 12:49	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/21/19 12:49	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/21/19 12:49	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/21/19 12:49	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/21/19 12:49	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/21/19 12:49	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 12:49	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 12:49	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 12:49	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/21/19 12:49	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/21/19 12:49	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/21/19 12:49	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/21/19 12:49	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/21/19 12:49	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/21/19 12:49	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/21/19 12:49	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/21/19 12:49	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 12:49	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/21/19 12:49	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/21/19 12:49	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/21/19 12:49	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/21/19 12:49	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/21/19 12:49	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 12:49	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/21/19 12:49	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/21/19 12:49	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/21/19 12:49	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/21/19 12:49	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/21/19 12:49	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/21/19 12:49	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/21/19 12:49	108-20-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-11 **Lab ID: 40189793013** Collected: 06/19/19 11:03 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/21/19 12:49	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 12:49	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/21/19 12:49	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/21/19 12:49	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/21/19 12:49	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 12:49	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/21/19 12:49	100-42-5	
Tetrachloroethene	**0.70J**	ug/L	1.1	0.33	1		06/21/19 12:49	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/21/19 12:49	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 12:49	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/21/19 12:49	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/21/19 12:49	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		06/21/19 12:49	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/21/19 12:49	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/21/19 12:49	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 12:49	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/21/19 12:49	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 12:49	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/21/19 12:49	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/21/19 12:49	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/21/19 12:49	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/21/19 12:49	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/21/19 12:49	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/21/19 12:49	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		06/21/19 12:49	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		06/21/19 12:49	2037-26-5	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**2.3**	mg/L	1.1	0.38	5		06/20/19 19:24	14797-55-8	
Sulfate	**14.9J**	mg/L	15.0	5.0	5		06/20/19 19:24	14808-79-8	D3
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**286**	mg/L	23.5	7.0	1		06/21/19 11:11		
5310C TOC	Analytical Method: SM 5310C								
Total Organic Carbon	**1.9**	mg/L	0.84	0.25	1		06/21/19 17:53	7440-44-0	

Sample: MW-42 **Lab ID: 40189793014** Collected: 06/19/19 13:06 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<26.9**	ug/L	100	26.9	100		06/22/19 02:28	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-42 **Lab ID: 40189793014** Collected: 06/19/19 13:06 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<24.5**	ug/L	100	24.5	100		06/22/19 02:28	71-55-6	
1,1,2,2-Tetrachloroethane	**<27.5**	ug/L	100	27.5	100		06/22/19 02:28	79-34-5	
1,1,2-Trichloroethane	**<55.2**	ug/L	500	55.2	100		06/22/19 02:28	79-00-5	
1,1-Dichloroethane	**<27.3**	ug/L	100	27.3	100		06/22/19 02:28	75-34-3	
1,1-Dichloroethene	**<24.5**	ug/L	100	24.5	100		06/22/19 02:28	75-35-4	
1,1-Dichloropropene	**<54.0**	ug/L	180	54.0	100		06/22/19 02:28	563-58-6	
1,2,3-Trichlorobenzene	**<62.6**	ug/L	500	62.6	100		06/22/19 02:28	87-61-6	
1,2,3-Trichloropropane	**<59.1**	ug/L	500	59.1	100		06/22/19 02:28	96-18-4	
1,2,4-Trichlorobenzene	**<95.1**	ug/L	500	95.1	100		06/22/19 02:28	120-82-1	
1,2,4-Trimethylbenzene	**<84.1**	ug/L	280	84.1	100		06/22/19 02:28	95-63-6	
1,2-Dibromo-3-chloropropane	**<176**	ug/L	588	176	100		06/22/19 02:28	96-12-8	
1,2-Dibromoethane (EDB)	**<82.9**	ug/L	276	82.9	100		06/22/19 02:28	106-93-4	
1,2-Dichlorobenzene	**<70.5**	ug/L	235	70.5	100		06/22/19 02:28	95-50-1	
1,2-Dichloroethane	**<28.0**	ug/L	100	28.0	100		06/22/19 02:28	107-06-2	
1,2-Dichloropropane	**<28.3**	ug/L	100	28.3	100		06/22/19 02:28	78-87-5	
1,3,5-Trimethylbenzene	**<87.3**	ug/L	291	87.3	100		06/22/19 02:28	108-67-8	
1,3-Dichlorobenzene	**<62.8**	ug/L	209	62.8	100		06/22/19 02:28	541-73-1	
1,3-Dichloropropane	**<82.6**	ug/L	275	82.6	100		06/22/19 02:28	142-28-9	
1,4-Dichlorobenzene	**<94.4**	ug/L	315	94.4	100		06/22/19 02:28	106-46-7	
2,2-Dichloropropane	**<227**	ug/L	755	227	100		06/22/19 02:28	594-20-7	
2-Chlorotoluene	**<92.6**	ug/L	500	92.6	100		06/22/19 02:28	95-49-8	
4-Chlorotoluene	**<75.6**	ug/L	252	75.6	100		06/22/19 02:28	106-43-4	
Benzene	**<24.6**	ug/L	100	24.6	100		06/22/19 02:28	71-43-2	
Bromobenzene	**<24.1**	ug/L	100	24.1	100		06/22/19 02:28	108-86-1	
Bromochloromethane	**<36.2**	ug/L	500	36.2	100		06/22/19 02:28	74-97-5	
Bromodichloromethane	**<36.4**	ug/L	121	36.4	100		06/22/19 02:28	75-27-4	
Bromoform	**<397**	ug/L	1320	397	100		06/22/19 02:28	75-25-2	
Bromomethane	**<97.1**	ug/L	500	97.1	100		06/22/19 02:28	74-83-9	
Carbon tetrachloride	**<16.6**	ug/L	100	16.6	100		06/22/19 02:28	56-23-5	
Chlorobenzene	**<71.1**	ug/L	237	71.1	100		06/22/19 02:28	108-90-7	
Chloroethane	**<134**	ug/L	500	134	100		06/22/19 02:28	75-00-3	
Chloroform	**<127**	ug/L	500	127	100		06/22/19 02:28	67-66-3	
Chloromethane	**<219**	ug/L	730	219	100		06/22/19 02:28	74-87-3	
Dibromochloromethane	**<260**	ug/L	867	260	100		06/22/19 02:28	124-48-1	
Dibromomethane	**<93.7**	ug/L	312	93.7	100		06/22/19 02:28	74-95-3	
Dichlorodifluoromethane	**<50.0**	ug/L	500	50.0	100		06/22/19 02:28	75-71-8	
Diisopropyl ether	**<189**	ug/L	629	189	100		06/22/19 02:28	108-20-3	
Ethylbenzene	**<21.8**	ug/L	100	21.8	100		06/22/19 02:28	100-41-4	
Hexachloro-1,3-butadiene	**<118**	ug/L	500	118	100		06/22/19 02:28	87-68-3	
Isopropylbenzene (Cumene)	**<39.3**	ug/L	500	39.3	100		06/22/19 02:28	98-82-8	
Methyl-tert-butyl ether	**<125**	ug/L	415	125	100		06/22/19 02:28	1634-04-4	
Methylene Chloride	**<58.1**	ug/L	500	58.1	100		06/22/19 02:28	75-09-2	
Naphthalene	**<118**	ug/L	500	118	100		06/22/19 02:28	91-20-3	
Styrene	**<46.5**	ug/L	155	46.5	100		06/22/19 02:28	100-42-5	
Tetrachloroethene	**<32.6**	ug/L	109	32.6	100		06/22/19 02:28	127-18-4	
Toluene	**<17.2**	ug/L	500	17.2	100		06/22/19 02:28	108-88-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-42 **Lab ID: 40189793014** Collected: 06/19/19 13:06 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Trichloroethene	**5180**	ug/L	100	25.5	100		06/22/19 02:28	79-01-6	
Trichlorofluoromethane	**<21.5**	ug/L	100	21.5	100		06/22/19 02:28	75-69-4	
Vinyl chloride	**<17.5**	ug/L	100	17.5	100		06/22/19 02:28	75-01-4	
cis-1,2-Dichloroethene	**<27.1**	ug/L	100	27.1	100		06/22/19 02:28	156-59-2	
cis-1,3-Dichloropropene	**<363**	ug/L	1210	363	100		06/22/19 02:28	10061-01-5	
m&p-Xylene	**<46.5**	ug/L	200	46.5	100		06/22/19 02:28	179601-23-1	
n-Butylbenzene	**<70.8**	ug/L	236	70.8	100		06/22/19 02:28	104-51-8	
n-Propylbenzene	**<81.1**	ug/L	500	81.1	100		06/22/19 02:28	103-65-1	
o-Xylene	**<26.2**	ug/L	100	26.2	100		06/22/19 02:28	95-47-6	
p-Isopropyltoluene	**<80.0**	ug/L	267	80.0	100		06/22/19 02:28	99-87-6	
sec-Butylbenzene	**<84.9**	ug/L	500	84.9	100		06/22/19 02:28	135-98-8	
tert-Butylbenzene	**<30.4**	ug/L	101	30.4	100		06/22/19 02:28	98-06-6	
trans-1,2-Dichloroethene	**<109**	ug/L	364	109	100		06/22/19 02:28	156-60-5	
trans-1,3-Dichloropropene	**<437**	ug/L	1460	437	100		06/22/19 02:28	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		100		06/22/19 02:28	460-00-4	
Dibromofluoromethane (S)	115	%	70-130		100		06/22/19 02:28	1868-53-7	
Toluene-d8 (S)	97	%	70-130		100		06/22/19 02:28	2037-26-5	

Sample: MW-41 **Lab ID: 40189793015** Collected: 06/19/19 13:37 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/21/19 14:41	630-20-6	
1,1,1-Trichloroethane	**1.9**	ug/L	1.0	0.24	1		06/21/19 14:41	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 14:41	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/21/19 14:41	79-00-5	
1,1-Dichloroethane	**0.64J**	ug/L	1.0	0.27	1		06/21/19 14:41	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 14:41	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/21/19 14:41	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/21/19 14:41	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/21/19 14:41	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/21/19 14:41	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/21/19 14:41	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/21/19 14:41	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/21/19 14:41	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 14:41	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 14:41	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 14:41	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/21/19 14:41	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/21/19 14:41	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/21/19 14:41	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/21/19 14:41	106-46-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-41 **Lab ID: 40189793015** Collected: 06/19/19 13:37 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/21/19 14:41	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/21/19 14:41	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/21/19 14:41	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/21/19 14:41	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 14:41	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/21/19 14:41	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/21/19 14:41	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/21/19 14:41	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/21/19 14:41	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/21/19 14:41	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 14:41	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/21/19 14:41	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/21/19 14:41	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/21/19 14:41	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/21/19 14:41	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/21/19 14:41	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/21/19 14:41	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/21/19 14:41	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/21/19 14:41	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 14:41	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/21/19 14:41	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/21/19 14:41	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/21/19 14:41	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 14:41	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/21/19 14:41	100-42-5	
Tetrachloroethene	**1.5**	ug/L	1.1	0.33	1		06/21/19 14:41	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/21/19 14:41	108-88-3	
Trichloroethene	**27.7**	ug/L	1.0	0.26	1		06/21/19 14:41	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/21/19 14:41	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/21/19 14:41	75-01-4	
cis-1,2-Dichloroethene	**0.39J**	ug/L	1.0	0.27	1		06/21/19 14:41	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/21/19 14:41	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/21/19 14:41	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 14:41	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/21/19 14:41	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 14:41	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/21/19 14:41	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/21/19 14:41	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/21/19 14:41	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/21/19 14:41	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/21/19 14:41	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/21/19 14:41	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		06/21/19 14:41	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		06/21/19 14:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-4A **Lab ID: 40189793016** Collected: 06/19/19 14:27 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/21/19 13:11	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/21/19 13:11	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 13:11	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/21/19 13:11	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/21/19 13:11	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 13:11	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/21/19 13:11	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/21/19 13:11	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/21/19 13:11	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/21/19 13:11	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/21/19 13:11	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/21/19 13:11	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/21/19 13:11	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 13:11	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 13:11	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/21/19 13:11	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/21/19 13:11	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/21/19 13:11	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/21/19 13:11	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/21/19 13:11	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/21/19 13:11	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/21/19 13:11	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/21/19 13:11	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/21/19 13:11	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/21/19 13:11	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/21/19 13:11	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/21/19 13:11	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/21/19 13:11	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/21/19 13:11	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/21/19 13:11	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 13:11	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/21/19 13:11	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/21/19 13:11	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/21/19 13:11	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/21/19 13:11	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/21/19 13:11	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/21/19 13:11	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/21/19 13:11	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/21/19 13:11	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 13:11	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/21/19 13:11	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/21/19 13:11	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/21/19 13:11	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/21/19 13:11	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/21/19 13:11	100-42-5	
Tetrachloroethene	**2.3**	ug/L	1.1	0.33	1		06/21/19 13:11	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-4A **Lab ID: 40189793016** Collected: 06/19/19 14:27 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/21/19 13:11	108-88-3	
Trichloroethene	**0.46J**	ug/L	1.0	0.26	1		06/21/19 13:11	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/21/19 13:11	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/21/19 13:11	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		06/21/19 13:11	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/21/19 13:11	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/21/19 13:11	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/21/19 13:11	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/21/19 13:11	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/21/19 13:11	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/21/19 13:11	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/21/19 13:11	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/21/19 13:11	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/21/19 13:11	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/21/19 13:11	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/21/19 13:11	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		06/21/19 13:11	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		06/21/19 13:11	2037-26-5	

Sample: MW-4 **Lab ID: 40189793017** Collected: 06/19/19 15:10 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**<0.58**	ug/L	5.6	0.58	1		06/21/19 10:54	74-84-0	
Ethene	**<0.52**	ug/L	5.0	0.52	1		06/21/19 10:54	74-85-1	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Iron, Dissolved	**<35.4**	ug/L	118	35.4	1		06/25/19 23:20	7439-89-6	
Manganese, Dissolved	**<1.1**	ug/L	5.0	1.1	1		06/25/19 23:20	7439-96-5	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.67**	ug/L	2.5	0.67	2.5		06/21/19 10:34	630-20-6	
1,1,1-Trichloroethane	**3.2**	ug/L	2.5	0.61	2.5		06/21/19 10:34	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.69**	ug/L	2.5	0.69	2.5		06/21/19 10:34	79-34-5	
1,1,2-Trichloroethane	**<1.4**	ug/L	12.5	1.4	2.5		06/21/19 10:34	79-00-5	
1,1-Dichloroethane	**<0.68**	ug/L	2.5	0.68	2.5		06/21/19 10:34	75-34-3	
1,1-Dichloroethene	**<0.61**	ug/L	2.5	0.61	2.5		06/21/19 10:34	75-35-4	
1,1-Dichloropropene	**<1.4**	ug/L	4.5	1.4	2.5		06/21/19 10:34	563-58-6	
1,2,3-Trichlorobenzene	**<1.6**	ug/L	12.5	1.6	2.5		06/21/19 10:34	87-61-6	
1,2,3-Trichloropropane	**<1.5**	ug/L	12.5	1.5	2.5		06/21/19 10:34	96-18-4	
1,2,4-Trichlorobenzene	**<2.4**	ug/L	12.5	2.4	2.5		06/21/19 10:34	120-82-1	
1,2,4-Trimethylbenzene	**<2.1**	ug/L	7.0	2.1	2.5		06/21/19 10:34	95-63-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-4 **Lab ID: 40189793017** Collected: 06/19/19 15:10 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dibromo-3-chloropropane	**<4.4**	ug/L	14.7	4.4	2.5		06/21/19 10:34	96-12-8	
1,2-Dibromoethane (EDB)	**<2.1**	ug/L	6.9	2.1	2.5		06/21/19 10:34	106-93-4	
1,2-Dichlorobenzene	**<1.8**	ug/L	5.9	1.8	2.5		06/21/19 10:34	95-50-1	
1,2-Dichloroethane	**<0.70**	ug/L	2.5	0.70	2.5		06/21/19 10:34	107-06-2	
1,2-Dichloropropane	**<0.71**	ug/L	2.5	0.71	2.5		06/21/19 10:34	78-87-5	
1,3,5-Trimethylbenzene	**<2.2**	ug/L	7.3	2.2	2.5		06/21/19 10:34	108-67-8	
1,3-Dichlorobenzene	**<1.6**	ug/L	5.2	1.6	2.5		06/21/19 10:34	541-73-1	
1,3-Dichloropropane	**<2.1**	ug/L	6.9	2.1	2.5		06/21/19 10:34	142-28-9	
1,4-Dichlorobenzene	**<2.4**	ug/L	7.9	2.4	2.5		06/21/19 10:34	106-46-7	
2,2-Dichloropropane	**<5.7**	ug/L	18.9	5.7	2.5		06/21/19 10:34	594-20-7	
2-Chlorotoluene	**<2.3**	ug/L	12.5	2.3	2.5		06/21/19 10:34	95-49-8	
4-Chlorotoluene	**<1.9**	ug/L	6.3	1.9	2.5		06/21/19 10:34	106-43-4	
Benzene	**<0.62**	ug/L	2.5	0.62	2.5		06/21/19 10:34	71-43-2	
Bromobenzene	**<0.60**	ug/L	2.5	0.60	2.5		06/21/19 10:34	108-86-1	
Bromochloromethane	**<0.91**	ug/L	12.5	0.91	2.5		06/21/19 10:34	74-97-5	
Bromodichloromethane	**<0.91**	ug/L	3.0	0.91	2.5		06/21/19 10:34	75-27-4	
Bromoform	**<9.9**	ug/L	33.1	9.9	2.5		06/21/19 10:34	75-25-2	
Bromomethane	**<2.4**	ug/L	12.5	2.4	2.5		06/21/19 10:34	74-83-9	
Carbon tetrachloride	**<0.41**	ug/L	2.5	0.41	2.5		06/21/19 10:34	56-23-5	
Chlorobenzene	**<1.8**	ug/L	5.9	1.8	2.5		06/21/19 10:34	108-90-7	
Chloroethane	**<3.4**	ug/L	12.5	3.4	2.5		06/21/19 10:34	75-00-3	
Chloroform	**<3.2**	ug/L	12.5	3.2	2.5		06/21/19 10:34	67-66-3	
Chloromethane	**<5.5**	ug/L	18.2	5.5	2.5		06/21/19 10:34	74-87-3	
Dibromochloromethane	**<6.5**	ug/L	21.7	6.5	2.5		06/21/19 10:34	124-48-1	
Dibromomethane	**<2.3**	ug/L	7.8	2.3	2.5		06/21/19 10:34	74-95-3	
Dichlorodifluoromethane	**<1.2**	ug/L	12.5	1.2	2.5		06/21/19 10:34	75-71-8	
Diisopropyl ether	**<4.7**	ug/L	15.7	4.7	2.5		06/21/19 10:34	108-20-3	
Ethylbenzene	**<0.55**	ug/L	2.5	0.55	2.5		06/21/19 10:34	100-41-4	
Hexachloro-1,3-butadiene	**<3.0**	ug/L	12.5	3.0	2.5		06/21/19 10:34	87-68-3	
Isopropylbenzene (Cumene)	**<0.98**	ug/L	12.5	0.98	2.5		06/21/19 10:34	98-82-8	
Methyl-tert-butyl ether	**<3.1**	ug/L	10.4	3.1	2.5		06/21/19 10:34	1634-04-4	
Methylene Chloride	**<1.5**	ug/L	12.5	1.5	2.5		06/21/19 10:34	75-09-2	
Naphthalene	**<2.9**	ug/L	12.5	2.9	2.5		06/21/19 10:34	91-20-3	
Styrene	**<1.2**	ug/L	3.9	1.2	2.5		06/21/19 10:34	100-42-5	
Tetrachloroethene	**2.9**	ug/L	2.7	0.82	2.5		06/21/19 10:34	127-18-4	
Toluene	**<0.43**	ug/L	12.5	0.43	2.5		06/21/19 10:34	108-88-3	
Trichloroethene	**112**	ug/L	2.5	0.64	2.5		06/21/19 10:34	79-01-6	
Trichlorofluoromethane	**<0.54**	ug/L	2.5	0.54	2.5		06/21/19 10:34	75-69-4	
Vinyl chloride	**<0.44**	ug/L	2.5	0.44	2.5		06/21/19 10:34	75-01-4	
cis-1,2-Dichloroethene	**1.8J**	ug/L	2.5	0.68	2.5		06/21/19 10:34	156-59-2	
cis-1,3-Dichloropropene	**<9.1**	ug/L	30.2	9.1	2.5		06/21/19 10:34	10061-01-5	
m&p-Xylene	**<1.2**	ug/L	5.0	1.2	2.5		06/21/19 10:34	179601-23-1	
n-Butylbenzene	**<1.8**	ug/L	5.9	1.8	2.5		06/21/19 10:34	104-51-8	
n-Propylbenzene	**<2.0**	ug/L	12.5	2.0	2.5		06/21/19 10:34	103-65-1	
o-Xylene	**<0.65**	ug/L	2.5	0.65	2.5		06/21/19 10:34	95-47-6	
p-Isopropyltoluene	**<2.0**	ug/L	6.7	2.0	2.5		06/21/19 10:34	99-87-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Sample: MW-4 **Lab ID: 40189793017** Collected: 06/19/19 15:10 Received: 06/20/19 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
sec-Butylbenzene	**<2.1**	ug/L	12.5	2.1	2.5		06/21/19 10:34	135-98-8	
tert-Butylbenzene	**<0.76**	ug/L	2.5	0.76	2.5		06/21/19 10:34	98-06-6	
trans-1,2-Dichloroethene	**<2.7**	ug/L	9.1	2.7	2.5		06/21/19 10:34	156-60-5	
trans-1,3-Dichloropropene	**<10.9**	ug/L	36.4	10.9	2.5		06/21/19 10:34	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		2.5		06/21/19 10:34	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		2.5		06/21/19 10:34	1868-53-7	
Toluene-d8 (S)	97	%	70-130		2.5		06/21/19 10:34	2037-26-5	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**<0.075**	mg/L	0.22	0.075	1		06/20/19 19:37	14797-55-8	
Sulfate	**40.9**	mg/L	3.0	1.0	1		06/20/19 19:37	14808-79-8	M0
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**252**	mg/L	23.5	7.0	1		06/21/19 11:11		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

QC Batch: 325198 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Associated Lab Samples: 40189793001, 40189793002, 40189793003, 40189793004, 40189793006, 40189793008, 40189793013, 40189793017

METHOD BLANK: 1887989 Matrix: Water
Associated Lab Samples: 40189793001, 40189793002, 40189793003, 40189793004, 40189793006, 40189793008, 40189793013, 40189793017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.58	5.6	06/21/19 07:42	
Ethene	ug/L	<0.52	5.0	06/21/19 07:42	

LABORATORY CONTROL SAMPLE & LCSD: 1887990 1887991

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	52.4	52.5	98	98	80-120	0	20	
Ethene	ug/L	50	48.6	48.6	97	97	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887992 1887993

Parameter	Units	40189713002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.58	53.6	53.6	49.8	48.0	93	90	80-120	4	20	
Ethene	ug/L	<0.52	50	50	47.0	45.1	94	90	80-120	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887994 1887995

Parameter	Units	40189789005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.58	53.6	53.6	51.4	51.5	96	96	80-120	0	20	
Ethene	ug/L	<0.52	50	50	47.7	47.8	95	96	80-120	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

QC Batch: 325662 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40189793001, 40189793002, 40189793003, 40189793004, 40189793006, 40189793008, 40189793013, 40189793017

METHOD BLANK: 1890747 Matrix: Water
Associated Lab Samples: 40189793001, 40189793002, 40189793003, 40189793004, 40189793006, 40189793008, 40189793013, 40189793017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Dissolved	ug/L	<35.4	118	06/25/19 22:23	
Manganese, Dissolved	ug/L	<1.1	5.0	06/25/19 22:23	

LABORATORY CONTROL SAMPLE: 1890748

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	5000	4480	90	80-120	
Manganese, Dissolved	ug/L	500	456	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1890749 1890750

Parameter	Units	40189699002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	7020	5000	5000	11400	11400	87	87	75-125	0	20	
Manganese, Dissolved	ug/L	2260	500	500	2680	2670	84	82	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

QC Batch: 325183 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40189793001, 40189793002, 40189793003, 40189793004, 40189793005, 40189793006, 40189793007, 40189793008, 40189793009, 40189793010, 40189793011, 40189793012, 40189793013, 40189793014, 40189793015, 40189793016, 40189793017

METHOD BLANK: 1887937 Matrix: Water
Associated Lab Samples: 40189793001, 40189793002, 40189793003, 40189793004, 40189793005, 40189793006, 40189793007, 40189793008, 40189793009, 40189793010, 40189793011, 40189793012, 40189793013, 40189793014, 40189793015, 40189793016, 40189793017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	06/21/19 06:49	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	06/21/19 06:49	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	06/21/19 06:49	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	06/21/19 06:49	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/21/19 06:49	
1,1-Dichloroethene	ug/L	<0.24	1.0	06/21/19 06:49	
1,1-Dichloropropene	ug/L	<0.54	1.8	06/21/19 06:49	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	06/21/19 06:49	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	06/21/19 06:49	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	06/21/19 06:49	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	06/21/19 06:49	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	06/21/19 06:49	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	06/21/19 06:49	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	06/21/19 06:49	
1,2-Dichloroethane	ug/L	<0.28	1.0	06/21/19 06:49	
1,2-Dichloropropane	ug/L	<0.28	1.0	06/21/19 06:49	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	06/21/19 06:49	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	06/21/19 06:49	
1,3-Dichloropropane	ug/L	<0.83	2.8	06/21/19 06:49	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	06/21/19 06:49	
2,2-Dichloropropane	ug/L	<2.3	7.6	06/21/19 06:49	
2-Chlorotoluene	ug/L	<0.93	5.0	06/21/19 06:49	
4-Chlorotoluene	ug/L	<0.76	2.5	06/21/19 06:49	
Benzene	ug/L	<0.25	1.0	06/21/19 06:49	
Bromobenzene	ug/L	<0.24	1.0	06/21/19 06:49	
Bromochloromethane	ug/L	<0.36	5.0	06/21/19 06:49	
Bromodichloromethane	ug/L	<0.36	1.2	06/21/19 06:49	
Bromoform	ug/L	<4.0	13.2	06/21/19 06:49	
Bromomethane	ug/L	<0.97	5.0	06/21/19 06:49	
Carbon tetrachloride	ug/L	<0.17	1.0	06/21/19 06:49	
Chlorobenzene	ug/L	<0.71	2.4	06/21/19 06:49	
Chloroethane	ug/L	<1.3	5.0	06/21/19 06:49	
Chloroform	ug/L	<1.3	5.0	06/21/19 06:49	
Chloromethane	ug/L	<2.2	7.3	06/21/19 06:49	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	06/21/19 06:49	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	06/21/19 06:49	
Dibromochloromethane	ug/L	<2.6	8.7	06/21/19 06:49	
Dibromomethane	ug/L	<0.94	3.1	06/21/19 06:49	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

METHOD BLANK: 1887937 Matrix: Water

Associated Lab Samples: 40189793001, 40189793002, 40189793003, 40189793004, 40189793005, 40189793006, 40189793007, 40189793008, 40189793009, 40189793010, 40189793011, 40189793012, 40189793013, 40189793014, 40189793015, 40189793016, 40189793017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	<0.50	5.0	06/21/19 06:49	
Diisopropyl ether	ug/L	<1.9	6.3	06/21/19 06:49	
Ethylbenzene	ug/L	<0.22	1.0	06/21/19 06:49	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	06/21/19 06:49	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	06/21/19 06:49	
m&p-Xylene	ug/L	<0.47	2.0	06/21/19 06:49	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	06/21/19 06:49	
Methylene Chloride	ug/L	<0.58	5.0	06/21/19 06:49	
n-Butylbenzene	ug/L	<0.71	2.4	06/21/19 06:49	
n-Propylbenzene	ug/L	<0.81	5.0	06/21/19 06:49	
Naphthalene	ug/L	<1.2	5.0	06/21/19 06:49	
o-Xylene	ug/L	<0.26	1.0	06/21/19 06:49	
p-Isopropyltoluene	ug/L	<0.80	2.7	06/21/19 06:49	
sec-Butylbenzene	ug/L	<0.85	5.0	06/21/19 06:49	
Styrene	ug/L	<0.47	1.6	06/21/19 06:49	
tert-Butylbenzene	ug/L	<0.30	1.0	06/21/19 06:49	
Tetrachloroethene	ug/L	<0.33	1.1	06/21/19 06:49	
Toluene	ug/L	<0.17	5.0	06/21/19 06:49	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	06/21/19 06:49	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	06/21/19 06:49	
Trichloroethene	ug/L	<0.26	1.0	06/21/19 06:49	
Trichlorofluoromethane	ug/L	<0.21	1.0	06/21/19 06:49	
Vinyl chloride	ug/L	<0.17	1.0	06/21/19 06:49	
4-Bromofluorobenzene (S)	%	95	70-130	06/21/19 06:49	
Dibromofluoromethane (S)	%	112	70-130	06/21/19 06:49	
Toluene-d8 (S)	%	97	70-130	06/21/19 06:49	

LABORATORY CONTROL SAMPLE: 1887938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.9	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.1	94	70-130	
1,1,2-Trichloroethane	ug/L	50	49.2	98	70-130	
1,1-Dichloroethane	ug/L	50	50.9	102	73-150	
1,1-Dichloroethene	ug/L	50	50.8	102	73-138	
1,2,4-Trichlorobenzene	ug/L	50	43.6	87	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	36.6	73	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	46.2	92	70-130	
1,2-Dichlorobenzene	ug/L	50	47.2	94	70-130	
1,2-Dichloroethane	ug/L	50	51.1	102	75-140	
1,2-Dichloropropane	ug/L	50	54.3	109	73-135	
1,3-Dichlorobenzene	ug/L	50	47.6	95	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

LABORATORY CONTROL SAMPLE: 1887938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	48.4	97	70-130	
Benzene	ug/L	50	58.0	116	70-130	
Bromodichloromethane	ug/L	50	49.1	98	70-130	
Bromoform	ug/L	50	38.9	78	68-129	
Bromomethane	ug/L	50	31.6	63	18-159	
Carbon tetrachloride	ug/L	50	51.9	104	70-130	
Chlorobenzene	ug/L	50	49.4	99	70-130	
Chloroethane	ug/L	50	46.0	92	53-147	
Chloroform	ug/L	50	53.6	107	74-136	
Chloromethane	ug/L	50	31.0	62	29-115	
cis-1,2-Dichloroethene	ug/L	50	62.8	126	70-130	
cis-1,3-Dichloropropene	ug/L	50	46.4	93	70-130	
Dibromochloromethane	ug/L	50	45.5	91	70-130	
Dichlorodifluoromethane	ug/L	50	23.3	47	10-130	
Ethylbenzene	ug/L	50	51.2	102	80-124	
Isopropylbenzene (Cumene)	ug/L	50	50.5	101	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	43.0	86	54-137	
Methylene Chloride	ug/L	50	52.2	104	73-138	
o-Xylene	ug/L	50	49.8	100	70-130	
Styrene	ug/L	50	51.1	102	70-130	
Tetrachloroethene	ug/L	50	48.9	98	70-130	
Toluene	ug/L	50	50.6	101	80-126	
trans-1,2-Dichloroethene	ug/L	50	51.2	102	73-145	
trans-1,3-Dichloropropene	ug/L	50	41.2	82	70-130	
Trichloroethene	ug/L	50	53.6	107	70-130	
Trichlorofluoromethane	ug/L	50	50.5	101	76-147	
Vinyl chloride	ug/L	50	39.1	78	51-120	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			111	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887974 1887975

Parameter	Units	40189793002 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	<0.24	50	50	52.7	54.5	105	109	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	47.4	48.7	95	97	70-130	3	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	49.8	50.9	100	102	70-137	2	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	52.3	54.4	105	109	73-153	4	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	55.0	57.1	110	114	73-138	4	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	44.6	46.2	89	92	70-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	37.6	38.8	75	78	58-129	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	47.2	48.2	94	96	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887974 1887975

Parameter	Units	40189793002 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	<0.71	50	50	47.3	48.8	95	98	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	50.0	53.5	100	107	75-140	7	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	53.2	55.3	106	111	71-138	4	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	47.6	49.2	95	98	70-130	3	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	48.6	50.4	97	101	70-130	4	20	
Benzene	ug/L	<0.25	50	50	58.3	61.0	117	122	70-130	5	20	
Bromodichloromethane	ug/L	<0.36	50	50	48.4	50.9	97	102	70-130	5	20	
Bromoform	ug/L	<4.0	50	50	39.3	40.5	79	81	68-129	3	20	
Bromomethane	ug/L	<0.97	50	50	45.9	48.8	92	98	15-170	6	20	
Carbon tetrachloride	ug/L	<0.17	50	50	53.2	55.7	106	111	70-130	5	20	
Chlorobenzene	ug/L	<0.71	50	50	49.6	51.4	99	103	70-130	4	20	
Chloroethane	ug/L	<1.3	50	50	55.3	54.0	111	108	51-148	2	20	
Chloroform	ug/L	<1.3	50	50	53.5	55.7	107	111	74-136	4	20	
Chloromethane	ug/L	<2.2	50	50	45.5	45.4	91	91	23-115	0	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	63.1	65.7	126	131	70-131	4	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	46.1	48.7	92	97	70-130	5	20	
Dibromochloromethane	ug/L	<2.6	50	50	45.4	47.2	91	94	70-130	4	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	45.5	47.4	91	95	10-132	4	20	
Ethylbenzene	ug/L	<0.22	50	50	51.5	53.3	103	107	80-125	3	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	50.6	52.6	101	105	70-130	4	20	
m&p-Xylene	ug/L	<0.47	100	100	103	107	103	107	70-130	4	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	43.3	44.9	87	90	51-145	4	20	
Methylene Chloride	ug/L	<0.58	50	50	53.2	55.6	106	111	73-140	5	20	
o-Xylene	ug/L	<0.26	50	50	49.8	51.9	100	104	70-130	4	20	
Styrene	ug/L	<0.47	50	50	51.1	53.0	102	106	70-130	4	20	
Tetrachloroethene	ug/L	0.47J	50	50	49.6	51.0	98	101	70-130	3	20	
Toluene	ug/L	<0.17	50	50	51.2	52.7	102	105	80-131	3	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	53.1	55.2	106	110	73-148	4	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	42.0	43.1	84	86	70-130	3	20	
Trichloroethene	ug/L	<0.26	50	50	52.9	55.8	106	112	70-130	5	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	56.7	58.5	113	117	74-147	3	20	
Vinyl chloride	ug/L	<0.17	50	50	51.4	53.4	103	107	41-129	4	20	
4-Bromofluorobenzene (S)	%						99	100	70-130			
Dibromofluoromethane (S)	%						110	111	70-130			
Toluene-d8 (S)	%						97	98	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

QC Batch: 325129 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40189793001, 40189793002, 40189793003, 40189793004, 40189793006, 40189793008, 40189793013, 40189793017

METHOD BLANK: 1887385 Matrix: Water
Associated Lab Samples: 40189793001, 40189793002, 40189793003, 40189793004, 40189793006, 40189793008, 40189793013, 40189793017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.075	0.22	06/20/19 10:20	
Sulfate	mg/L	<1.0	3.0	06/20/19 10:20	

LABORATORY CONTROL SAMPLE: 1887386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	1.5	1.6	107	90-110	
Sulfate	mg/L	20	21.7	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887387 1887388

Parameter	Units	40189780001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	2.6	1.5	1.5	3.9	3.9	85	86	90-110	0	15	M0
Sulfate	mg/L	11.1	20	20	30.9	31.0	99	99	90-110	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887523 1887524

Parameter	Units	40189793017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	<0.075	1.5	1.5	1.5	1.5	99	100	90-110	1	15	
Sulfate	mg/L	40.9	20	20	58.8	58.6	89	88	90-110	0	15	M0

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

QC Batch: 325197 Analysis Method: EPA 310.2
QC Batch Method: EPA 310.2 Analysis Description: 310.2 Alkalinity
Associated Lab Samples: 40189793001, 40189793002, 40189793003, 40189793004, 40189793006, 40189793008, 40189793013, 40189793017

METHOD BLANK: 1887983 Matrix: Water
Associated Lab Samples: 40189793001, 40189793002, 40189793003, 40189793004, 40189793006, 40189793008, 40189793013, 40189793017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<7.0	23.5	06/21/19 11:03	

LABORATORY CONTROL SAMPLE: 1887984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	100	94.1	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887985 1887986

Parameter	Units	40189793001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	269	200	200	348	350	39	41	90-110	1	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887987 1887988

Parameter	Units	40189795003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	2110	2000	2000	4120	4120	100	101	90-110	0	20	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

QC Batch: 325184 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 40189793006, 40189793013

METHOD BLANK: 1887939 Matrix: Water
Associated Lab Samples: 40189793006, 40189793013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.25	0.84	06/21/19 10:56	

LABORATORY CONTROL SAMPLE: 1887940

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.5	2.5	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887941 1887942

Parameter	Units	40189673001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	3.3	1	1	4.3	4.4	109	113	80-120	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887943 1887944

Parameter	Units	40189699008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	6.7	6	6	13.4	13.0	111	105	80-120	3	10	

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

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
H5	Reanalysis conducted in excess of EPA method holding time. Results confirm original analysis performed in hold time.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40189793001	**MW-1R**	EPA 8015B Modified	325198		
40189793002	**MW-25**	EPA 8015B Modified	325198		
40189793003	**MW-29**	EPA 8015B Modified	325198		
40189793004	**MW-27**	EPA 8015B Modified	325198		
40189793006	**MW-2**	EPA 8015B Modified	325198		
40189793008	**MW-19**	EPA 8015B Modified	325198		
40189793013	**MW-11**	EPA 8015B Modified	325198		
40189793017	**MW-4**	EPA 8015B Modified	325198		
40189793001	**MW-1R**	EPA 6010	325662		
40189793002	**MW-25**	EPA 6010	325662		
40189793003	**MW-29**	EPA 6010	325662		
40189793004	**MW-27**	EPA 6010	325662		
40189793006	**MW-2**	EPA 6010	325662		
40189793008	**MW-19**	EPA 6010	325662		
40189793013	**MW-11**	EPA 6010	325662		
40189793017	**MW-4**	EPA 6010	325662		
40189793001	**MW-1R**	EPA 8260	325183		
40189793002	**MW-25**	EPA 8260	325183		
40189793003	**MW-29**	EPA 8260	325183		
40189793004	**MW-27**	EPA 8260	325183		
40189793005	**DUP-3**	EPA 8260	325183		
40189793006	**MW-2**	EPA 8260	325183		
40189793007	**RW-14**	EPA 8260	325183		
40189793008	**MW-19**	EPA 8260	325183		
40189793009	**TRIP-1**	EPA 8260	325183		
40189793010	**TRIP-2**	EPA 8260	325183		
40189793011	**MW-38**	EPA 8260	325183		
40189793012	**MW-21**	EPA 8260	325183		
40189793013	**MW-11**	EPA 8260	325183		
40189793014	**MW-42**	EPA 8260	325183		
40189793015	**MW-41**	EPA 8260	325183		
40189793016	**MW-4A**	EPA 8260	325183		
40189793017	**MW-4**	EPA 8260	325183		
40189793001	**MW-1R**	EPA 300.0	325129		
40189793002	**MW-25**	EPA 300.0	325129		
40189793003	**MW-29**	EPA 300.0	325129		
40189793004	**MW-27**	EPA 300.0	325129		
40189793006	**MW-2**	EPA 300.0	325129		
40189793008	**MW-19**	EPA 300.0	325129		
40189793013	**MW-11**	EPA 300.0	325129		
40189793017	**MW-4**	EPA 300.0	325129		
40189793001	**MW-1R**	EPA 310.2	325197		
40189793002	**MW-25**	EPA 310.2	325197		
40189793003	**MW-29**	EPA 310.2	325197		
40189793004	**MW-27**	EPA 310.2	325197		
40189793006	**MW-2**	EPA 310.2	325197		
40189793008	**MW-19**	EPA 310.2	325197		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189793

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40189793013	**MW-11**	EPA 310.2	325197		
40189793017	**MW-4**	EPA 310.2	325197		
40189793006	**MW-2**	SM 5310C	325184		
40189793013	**MW-11**	SM 5310C	325184		

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 2

40189793

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	GZA, GeoEnvironmental Inc
Branch/Location:	Waukesha
Project Contact:	Kevin Hedinger
Phone:	262-424-1761
Project Number:	20.0155935.01
Project Name:	Trent Tube
Project State:	WI
Sampled By (Print):	Alex Amundson
Sampled By (Sign):	A. Amundson
PO #:	Regulatory Program:

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: VOC	Dissolved Mn + Fe	Ethane + Ethene	Nitrate + Sulfate	TOC	Alkalinity
	FILTERED? (YES/NO)				N	Y	N	N	N	N
	PRESERVATION (CODE)*				B	D	B	A	A	A
001	MW-1R	6/19/19	1324	GW	X	X	X	X		X
002	MW-25	6/19/19	1052	GW	X	X	X	X		X
003	MW-29	6/19/19	957	GW	X	X	X	X		X
004	MW-27	6/19/19	1215	GW	X	X	X	X		X
005	Dup-3	6/19/19	—	GW	X					
006	MW-2	6/19/19	1430	GW	X	X	X	X	X	X
007	RW-14	6/19/19	1537	GW	X					
008	MW-19	6/19/19	848	GW	X	X	X	X		X
009	Trip-1	6/19/19	—	GW	X					
010	Trip-2	6/19/19	—	—	X					

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	SAME
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only) Profile #

SW

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
A. Amundson	6/19/19 1600	Per FED EX	6/19 1730
Fed Ex	6/20/19 1010	[signature]	6/20/19 1010

PACE Project No. 40189793

Receipt Temp = 8.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present
Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

40189793

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CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	GZA GeoEnvironmental Inc.
Branch/Location:	Waukesha
Project Contact:	Kevin Hedinger
Phone:	262-474-1761
Project Number:	20.0155935.01
Project Name:	Trent Tube
Project State:	WI
Sampled By (Print):	Alex Amundson
Sampled By (Sign):	A. Amundson
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	SAME
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	VOC	Dissolved Mn+Fe	Ethane + Ethene	Nitrate + Sulfate	TOC	Alkalinity
					N	B	D	B	A	A	A	
011	MW-38	6/19	0921	GW		X						
012	MW-21		1014			X						
013	MW-11		1103			X	X	X	X	X	X	
014	MW-42		1306			X						
015	MW-41		1337			X						
016	MW-4A		1427			X						
017	MW-4		1510			X	X	X	X	X		X

CLIENT COMMENTS | LAB COMMENTS (Lab Use Only) | Profile #

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	6/19 1730	FED EX	6/19 1730
Fed Ex	6/20/19 1010		6/20/19 1010

PACE Project No. 40189793

Receipt Temp = R01 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: GZA Project # 40189793

All containers needing preservation have been checked and noted below: ☑Yes ☐No ☐N/A Initial when completed: PB Date/ Time:

Lab Lot# of pH paper: 10053581 Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001											1		1					6									1				X		2.5 / 5 / 10
002											1		1					6													X		2.5 / 5 / 10
003											1		1					6													X		2.5 / 5 / 10
004											1		1					6									1				X		2.5 / 5 / 10
005																		3															2.5 / 5 / 10
006			1								1		1					6													X		2.5 / 5 / 10
007																		3									1						2.5 / 5 / 10
008											1		1					6													X		2.5 / 5 / 10
009																		1									1						2.5 / 5 / 10
010																		1									1						2.5 / 5 / 10
011											X	PB 6/20/19	X					3															2.5 / 5 / 10
012																		3															2.5 / 5 / 10
013			1								1		1					6													X		2.5 / 5 / 10
014																		3															2.5 / 5 / 10
015																		3															2.5 / 5 / 10
016																		3															2.5 / 5 / 10
017											1		1					6													X		2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : ☑Yes ☐No ☐N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 25Apr2018
	Document No.: **F-GB-C-031-Rev.07**	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40189793

40189793

Client Name: G2A

Courier: ☐ CS Logistics ☑ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☐ Pace Other:

Tracking #: 8148 6939 6214

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - N/A **Type of Ice:** (Wet) Blue Dry None ☐ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: R01 /Corr:

Temp Blank Present: ☐ yes ☑ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 6/20/19
Initials: RG

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☑Yes ~~☐No~~ 6/20/19 RG	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume:		8.
For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☑No ☐N/A	
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☑No ☐N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: CH **Date:** 6/20/19

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

June 25, 2019

Kevin Hedinger
GZA
20900 Swenson Drive
Suite 150
Waukesha, WI 53186

RE: Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Dear Kevin Hedinger:
Enclosed are the analytical results for sample(s) received by the laboratory on June 21, 2019. 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,

Christopher Hyska

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40189917001	**RW-13**	Water	06/20/19 09:21	06/21/19 10:20
40189917002	**RW-12**	Water	06/20/19 10:03	06/21/19 10:20
40189917003	**RW-11**	Water	06/20/19 10:37	06/21/19 10:20
40189917004	**OP-10**	Water	06/20/19 11:24	06/21/19 10:20
40189917005	**RW-10**	Water	06/20/19 11:55	06/21/19 10:20
40189917006	**RW-28**	Water	06/20/19 12:23	06/21/19 10:20
40189917007	**OP-8**	Water	06/20/19 13:16	06/21/19 10:20
40189917008	**RW-7**	Water	06/20/19 13:52	06/21/19 10:20
40189917009	**RW-27**	Water	06/20/19 14:24	06/21/19 10:20
40189917010	**OP-7**	Water	06/20/19 15:01	06/21/19 10:20
40189917011	**DUP-5**	Water	06/20/19 00:00	06/21/19 10:20
40189917012	**TRIP-1**	Water	06/20/19 00:00	06/21/19 10:20
40189917013	**RW-16**	Water	06/20/19 09:38	06/21/19 10:20
40189917014	**OP-14**	Water	06/20/19 11:04	06/21/19 10:20
40189917015	**RW-17**	Water	06/20/19 12:04	06/21/19 10:20
40189917016	**RW-18**	Water	06/20/19 12:52	06/21/19 10:20
40189917017	**OP-15**	Water	06/20/19 13:46	06/21/19 10:20
40189917018	**RW-19**	Water	06/20/19 14:33	06/21/19 10:20
40189917019	**OP-16**	Water	06/20/19 15:47	06/21/19 10:20
40189917020	**DUP 4**	Water	06/20/19 00:00	06/21/19 10:20

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SAMPLE ANALYTE COUNT

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40189917001	RW-13	EPA 8260	HNW	64	PASI-G
40189917002	RW-12	EPA 8260	HNW	64	PASI-G
40189917003	RW-11	EPA 8260	HNW	64	PASI-G
40189917004	OP-10	EPA 8260	HNW	64	PASI-G
40189917005	RW-10	EPA 8260	HNW	64	PASI-G
40189917006	RW-28	EPA 8260	HNW	64	PASI-G
40189917007	OP-8	EPA 8260	HNW	64	PASI-G
40189917008	RW-7	EPA 8260	HNW	64	PASI-G
40189917009	RW-27	EPA 8260	HNW	64	PASI-G
40189917010	OP-7	EPA 8260	HNW	64	PASI-G
40189917011	DUP-5	EPA 8260	HNW	64	PASI-G
40189917012	TRIP-1	EPA 8260	HNW	64	PASI-G
40189917013	RW-16	EPA 8260	HNW	64	PASI-G
40189917014	OP-14	EPA 8260	HNW	64	PASI-G
40189917015	RW-17	EPA 8260	HNW	64	PASI-G
40189917016	RW-18	EPA 8260	HNW	64	PASI-G
40189917017	OP-15	EPA 8260	HNW	64	PASI-G
40189917018	RW-19	EPA 8260	HNW	64	PASI-G
40189917019	OP-16	EPA 8260	HNW	64	PASI-G
40189917020	DUP 4	EPA 8260	HNW	64	PASI-G

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SUMMARY OF DETECTION

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189917001	**RW-13**					
EPA 8260	1,1,1-Trichloroethane	1.1J	ug/L	2.5	06/24/19 19:41	
EPA 8260	1,1-Dichloroethane	10.5	ug/L	2.5	06/24/19 19:41	
EPA 8260	1,1-Dichloroethene	1.1J	ug/L	2.5	06/24/19 19:41	
EPA 8260	Trichloroethene	71.0	ug/L	2.5	06/24/19 19:41	
EPA 8260	Vinyl chloride	24.6	ug/L	2.5	06/24/19 19:41	
EPA 8260	cis-1,2-Dichloroethene	351	ug/L	2.5	06/24/19 19:41	
40189917002	**RW-12**					
EPA 8260	1,1,1-Trichloroethane	5.8	ug/L	1.0	06/24/19 18:36	
EPA 8260	1,1-Dichloroethane	25.1	ug/L	1.0	06/24/19 18:36	
EPA 8260	Benzene	0.37J	ug/L	1.0	06/24/19 18:36	
EPA 8260	Chloroethane	2.0J	ug/L	5.0	06/24/19 18:36	
EPA 8260	Tetrachloroethene	0.53J	ug/L	1.1	06/24/19 18:36	
EPA 8260	Trichloroethene	4.4	ug/L	1.0	06/24/19 18:36	
EPA 8260	Vinyl chloride	7.3	ug/L	1.0	06/24/19 18:36	
EPA 8260	cis-1,2-Dichloroethene	21.4	ug/L	1.0	06/24/19 18:36	
40189917003	**RW-11**					
EPA 8260	1,1,1-Trichloroethane	1.5	ug/L	1.0	06/24/19 18:15	
EPA 8260	1,1-Dichloroethane	2.1	ug/L	1.0	06/24/19 18:15	
EPA 8260	Tetrachloroethene	0.81J	ug/L	1.1	06/24/19 18:15	
EPA 8260	Trichloroethene	4.1	ug/L	1.0	06/24/19 18:15	
EPA 8260	Vinyl chloride	8.4	ug/L	1.0	06/24/19 18:15	
EPA 8260	cis-1,2-Dichloroethene	33.8	ug/L	1.0	06/24/19 18:15	
40189917004	**OP-10**					
EPA 8260	1,1,1-Trichloroethane	0.79J	ug/L	1.0	06/25/19 11:08	
EPA 8260	1,1-Dichloroethane	4.5	ug/L	1.0	06/25/19 11:08	
EPA 8260	Tetrachloroethene	0.75J	ug/L	1.1	06/25/19 11:08	
EPA 8260	Trichloroethene	8.6	ug/L	1.0	06/25/19 11:08	
EPA 8260	Vinyl chloride	13.6	ug/L	1.0	06/25/19 11:08	
EPA 8260	cis-1,2-Dichloroethene	9.6	ug/L	1.0	06/25/19 11:08	
40189917005	**RW-10**					
EPA 8260	1,1-Dichloroethane	0.89J	ug/L	1.0	06/24/19 18:58	
EPA 8260	Naphthalene	1.2J	ug/L	5.0	06/24/19 18:58	
EPA 8260	Tetrachloroethene	0.59J	ug/L	1.1	06/24/19 18:58	
EPA 8260	Trichloroethene	4.0	ug/L	1.0	06/24/19 18:58	
EPA 8260	Vinyl chloride	2.9	ug/L	1.0	06/24/19 18:58	
EPA 8260	cis-1,2-Dichloroethene	12.2	ug/L	1.0	06/24/19 18:58	
40189917006	**RW-28**					
EPA 8260	1,1-Dichloroethane	1.0	ug/L	1.0	06/24/19 19:19	
EPA 8260	1,1-Dichloroethene	0.83J	ug/L	1.0	06/24/19 19:19	
EPA 8260	Tetrachloroethene	0.81J	ug/L	1.1	06/24/19 19:19	
EPA 8260	Trichloroethene	3.6	ug/L	1.0	06/24/19 19:19	
EPA 8260	Vinyl chloride	166	ug/L	1.0	06/24/19 19:19	
EPA 8260	cis-1,2-Dichloroethene	171	ug/L	1.0	06/24/19 19:19	
EPA 8260	trans-1,2-Dichloroethene	1.2J	ug/L	3.6	06/24/19 19:19	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189917007	**OP-8**					
EPA 8260	1,1-Dichloroethane	1.1	ug/L	1.0	06/25/19 11:30	
EPA 8260	Tetrachloroethene	0.95J	ug/L	1.1	06/25/19 11:30	
EPA 8260	Trichloroethene	2.7	ug/L	1.0	06/25/19 11:30	
EPA 8260	Vinyl chloride	1.3	ug/L	1.0	06/25/19 11:30	
EPA 8260	cis-1,2-Dichloroethene	2.9	ug/L	1.0	06/25/19 11:30	
40189917008	**RW-7**					
EPA 8260	1,1-Dichloroethene	45.7	ug/L	10.0	06/24/19 20:45	
EPA 8260	Trichloroethene	928	ug/L	10.0	06/24/19 20:45	
EPA 8260	Vinyl chloride	567	ug/L	10.0	06/24/19 20:45	
EPA 8260	cis-1,2-Dichloroethene	10900	ug/L	200	06/25/19 09:21	
EPA 8260	trans-1,2-Dichloroethene	53.7	ug/L	36.4	06/24/19 20:45	
40189917009	**RW-27**					
EPA 8260	Trichloroethene	0.56J	ug/L	1.0	06/25/19 11:51	
EPA 8260	Vinyl chloride	7.0	ug/L	1.0	06/25/19 11:51	
EPA 8260	cis-1,2-Dichloroethene	53.7	ug/L	1.0	06/25/19 11:51	
40189917010	**OP-7**					
EPA 8260	1,1,1-Trichloroethane	3.1J	ug/L	10.0	06/24/19 21:28	
EPA 8260	1,1-Dichloroethane	2.9J	ug/L	10.0	06/24/19 21:28	
EPA 8260	1,1-Dichloroethene	5.9J	ug/L	10.0	06/24/19 21:28	
EPA 8260	Tetrachloroethene	3.8J	ug/L	10.9	06/24/19 21:28	
EPA 8260	Trichloroethene	646	ug/L	10.0	06/24/19 21:28	
EPA 8260	Vinyl chloride	4.5J	ug/L	10.0	06/24/19 21:28	
EPA 8260	cis-1,2-Dichloroethene	904	ug/L	10.0	06/24/19 21:28	
40189917011	**DUP-5**					
EPA 8260	Trichloroethene	0.52J	ug/L	1.0	06/25/19 12:13	
EPA 8260	Vinyl chloride	6.7	ug/L	1.0	06/25/19 12:13	
EPA 8260	cis-1,2-Dichloroethene	53.0	ug/L	1.0	06/25/19 12:13	
40189917013	**RW-16**					
EPA 8260	1,1-Dichloroethane	4.1J	ug/L	10.0	06/24/19 22:11	
EPA 8260	1,1-Dichloroethene	13.2	ug/L	10.0	06/24/19 22:11	
EPA 8260	Trichloroethene	9790	ug/L	200	06/25/19 09:42	
EPA 8260	Vinyl chloride	10.1	ug/L	10.0	06/24/19 22:11	
EPA 8260	cis-1,2-Dichloroethene	767	ug/L	10.0	06/24/19 22:11	
EPA 8260	trans-1,2-Dichloroethene	305	ug/L	36.4	06/24/19 22:11	
40189917014	**OP-14**					
EPA 8260	1,1,1-Trichloroethane	2.9J	ug/L	10.0	06/24/19 22:33	
EPA 8260	Tetrachloroethene	13.3	ug/L	10.9	06/24/19 22:33	
EPA 8260	Trichloroethene	473	ug/L	10.0	06/24/19 22:33	
EPA 8260	cis-1,2-Dichloroethene	16.4	ug/L	10.0	06/24/19 22:33	
40189917015	**RW-17**					
EPA 8260	1,1,1-Trichloroethane	54.5	ug/L	10.0	06/24/19 22:55	
EPA 8260	1,1-Dichloroethane	6.6J	ug/L	10.0	06/24/19 22:55	
EPA 8260	Tetrachloroethene	7.3J	ug/L	10.9	06/24/19 22:55	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189917015	**RW-17**					
EPA 8260	Trichloroethene	606	ug/L	10.0	06/24/19 22:55	
EPA 8260	cis-1,2-Dichloroethene	39.3	ug/L	10.0	06/24/19 22:55	
40189917016	**RW-18**					
EPA 8260	1,1,1-Trichloroethane	74.4	ug/L	5.0	06/25/19 10:04	
EPA 8260	1,1-Dichloroethane	5.2	ug/L	5.0	06/25/19 10:04	
EPA 8260	1,1-Dichloroethene	3.1J	ug/L	5.0	06/25/19 10:04	
EPA 8260	Tetrachloroethene	2.7J	ug/L	5.4	06/25/19 10:04	
EPA 8260	Trichloroethene	288	ug/L	5.0	06/25/19 10:04	
EPA 8260	cis-1,2-Dichloroethene	45.0	ug/L	5.0	06/25/19 10:04	
EPA 8260	trans-1,2-Dichloroethene	5.7J	ug/L	18.2	06/25/19 10:04	
40189917017	**OP-15**					
EPA 8260	1,1,1-Trichloroethane	62.1	ug/L	2.5	06/25/19 10:25	
EPA 8260	1,1-Dichloroethane	6.6	ug/L	2.5	06/25/19 10:25	
EPA 8260	1,1-Dichloroethene	1.9J	ug/L	2.5	06/25/19 10:25	
EPA 8260	Tetrachloroethene	27.8	ug/L	2.7	06/25/19 10:25	
EPA 8260	Trichloroethene	282	ug/L	2.5	06/25/19 10:25	
EPA 8260	Vinyl chloride	0.48J	ug/L	2.5	06/25/19 10:25	
EPA 8260	cis-1,2-Dichloroethene	94.0	ug/L	2.5	06/25/19 10:25	
40189917018	**RW-19**					
EPA 8260	1,1,1-Trichloroethane	36.3	ug/L	10.0	06/24/19 23:59	
EPA 8260	1,1-Dichloroethane	11.5	ug/L	10.0	06/24/19 23:59	
EPA 8260	1,1-Dichloroethene	3.3J	ug/L	10.0	06/24/19 23:59	
EPA 8260	Chloroform	30.0J	ug/L	50.0	06/24/19 23:59	
EPA 8260	Tetrachloroethene	7.4J	ug/L	10.9	06/24/19 23:59	
EPA 8260	Trichloroethene	996	ug/L	10.0	06/24/19 23:59	
EPA 8260	Vinyl chloride	8.0J	ug/L	10.0	06/24/19 23:59	
EPA 8260	cis-1,2-Dichloroethene	280	ug/L	10.0	06/24/19 23:59	
EPA 8260	trans-1,2-Dichloroethene	19.8J	ug/L	36.4	06/24/19 23:59	
40189917019	**OP-16**					
EPA 8260	1,1,1-Trichloroethane	7.0	ug/L	2.0	06/25/19 10:47	
EPA 8260	1,1-Dichloroethane	26.2	ug/L	2.0	06/25/19 10:47	
EPA 8260	1,1-Dichloroethene	0.99J	ug/L	2.0	06/25/19 10:47	
EPA 8260	Isopropylbenzene (Cumene)	1.1J	ug/L	10.0	06/25/19 10:47	
EPA 8260	Trichloroethene	43.8	ug/L	2.0	06/25/19 10:47	
EPA 8260	Vinyl chloride	106	ug/L	2.0	06/25/19 10:47	
EPA 8260	cis-1,2-Dichloroethene	145	ug/L	2.0	06/25/19 10:47	
EPA 8260	o-Xylene	1.2J	ug/L	2.0	06/25/19 10:47	
EPA 8260	sec-Butylbenzene	1.9J	ug/L	10.0	06/25/19 10:47	
40189917020	**DUP 4**					
EPA 8260	1,1,1-Trichloroethane	35.1	ug/L	10.0	06/25/19 00:42	
EPA 8260	1,1-Dichloroethane	12.7	ug/L	10.0	06/25/19 00:42	
EPA 8260	1,1-Dichloroethene	3.6J	ug/L	10.0	06/25/19 00:42	
EPA 8260	Chloroform	29.2J	ug/L	50.0	06/25/19 00:42	
EPA 8260	Tetrachloroethene	7.9J	ug/L	10.9	06/25/19 00:42	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189917020	**DUP 4**					
EPA 8260	Trichloroethene	960	ug/L	10.0	06/25/19 00:42	
EPA 8260	Vinyl chloride	7.5J	ug/L	10.0	06/25/19 00:42	
EPA 8260	cis-1,2-Dichloroethene	270	ug/L	10.0	06/25/19 00:42	
EPA 8260	trans-1,2-Dichloroethene	18.5J	ug/L	36.4	06/25/19 00:42	

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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: RW-13 **Lab ID: 40189917001** Collected: 06/20/19 09:21 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.67**	ug/L	2.5	0.67	2.5		06/24/19 19:41	630-20-6	
1,1,1-Trichloroethane	**1.1J**	ug/L	2.5	0.61	2.5		06/24/19 19:41	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.69**	ug/L	2.5	0.69	2.5		06/24/19 19:41	79-34-5	
1,1,2-Trichloroethane	**<1.4**	ug/L	12.5	1.4	2.5		06/24/19 19:41	79-00-5	
1,1-Dichloroethane	**10.5**	ug/L	2.5	0.68	2.5		06/24/19 19:41	75-34-3	
1,1-Dichloroethene	**1.1J**	ug/L	2.5	0.61	2.5		06/24/19 19:41	75-35-4	
1,1-Dichloropropene	**<1.4**	ug/L	4.5	1.4	2.5		06/24/19 19:41	563-58-6	
1,2,3-Trichlorobenzene	**<1.6**	ug/L	12.5	1.6	2.5		06/24/19 19:41	87-61-6	
1,2,3-Trichloropropane	**<1.5**	ug/L	12.5	1.5	2.5		06/24/19 19:41	96-18-4	
1,2,4-Trichlorobenzene	**<2.4**	ug/L	12.5	2.4	2.5		06/24/19 19:41	120-82-1	
1,2,4-Trimethylbenzene	**<2.1**	ug/L	7.0	2.1	2.5		06/24/19 19:41	95-63-6	
1,2-Dibromo-3-chloropropane	**<4.4**	ug/L	14.7	4.4	2.5		06/24/19 19:41	96-12-8	
1,2-Dibromoethane (EDB)	**<2.1**	ug/L	6.9	2.1	2.5		06/24/19 19:41	106-93-4	
1,2-Dichlorobenzene	**<1.8**	ug/L	5.9	1.8	2.5		06/24/19 19:41	95-50-1	
1,2-Dichloroethane	**<0.70**	ug/L	2.5	0.70	2.5		06/24/19 19:41	107-06-2	
1,2-Dichloropropane	**<0.71**	ug/L	2.5	0.71	2.5		06/24/19 19:41	78-87-5	
1,3,5-Trimethylbenzene	**<2.2**	ug/L	7.3	2.2	2.5		06/24/19 19:41	108-67-8	
1,3-Dichlorobenzene	**<1.6**	ug/L	5.2	1.6	2.5		06/24/19 19:41	541-73-1	
1,3-Dichloropropane	**<2.1**	ug/L	6.9	2.1	2.5		06/24/19 19:41	142-28-9	
1,4-Dichlorobenzene	**<2.4**	ug/L	7.9	2.4	2.5		06/24/19 19:41	106-46-7	
2,2-Dichloropropane	**<5.7**	ug/L	18.9	5.7	2.5		06/24/19 19:41	594-20-7	
2-Chlorotoluene	**<2.3**	ug/L	12.5	2.3	2.5		06/24/19 19:41	95-49-8	
4-Chlorotoluene	**<1.9**	ug/L	6.3	1.9	2.5		06/24/19 19:41	106-43-4	
Benzene	**<0.62**	ug/L	2.5	0.62	2.5		06/24/19 19:41	71-43-2	
Bromobenzene	**<0.60**	ug/L	2.5	0.60	2.5		06/24/19 19:41	108-86-1	
Bromochloromethane	**<0.91**	ug/L	12.5	0.91	2.5		06/24/19 19:41	74-97-5	
Bromodichloromethane	**<0.91**	ug/L	3.0	0.91	2.5		06/24/19 19:41	75-27-4	
Bromoform	**<9.9**	ug/L	33.1	9.9	2.5		06/24/19 19:41	75-25-2	
Bromomethane	**<2.4**	ug/L	12.5	2.4	2.5		06/24/19 19:41	74-83-9	
Carbon tetrachloride	**<0.41**	ug/L	2.5	0.41	2.5		06/24/19 19:41	56-23-5	
Chlorobenzene	**<1.8**	ug/L	5.9	1.8	2.5		06/24/19 19:41	108-90-7	
Chloroethane	**<3.4**	ug/L	12.5	3.4	2.5		06/24/19 19:41	75-00-3	
Chloroform	**<3.2**	ug/L	12.5	3.2	2.5		06/24/19 19:41	67-66-3	
Chloromethane	**<5.5**	ug/L	18.2	5.5	2.5		06/24/19 19:41	74-87-3	
Dibromochloromethane	**<6.5**	ug/L	21.7	6.5	2.5		06/24/19 19:41	124-48-1	
Dibromomethane	**<2.3**	ug/L	7.8	2.3	2.5		06/24/19 19:41	74-95-3	
Dichlorodifluoromethane	**<1.2**	ug/L	12.5	1.2	2.5		06/24/19 19:41	75-71-8	
Diisopropyl ether	**<4.7**	ug/L	15.7	4.7	2.5		06/24/19 19:41	108-20-3	
Ethylbenzene	**<0.55**	ug/L	2.5	0.55	2.5		06/24/19 19:41	100-41-4	
Hexachloro-1,3-butadiene	**<3.0**	ug/L	12.5	3.0	2.5		06/24/19 19:41	87-68-3	
Isopropylbenzene (Cumene)	**<0.98**	ug/L	12.5	0.98	2.5		06/24/19 19:41	98-82-8	
Methyl-tert-butyl ether	**<3.1**	ug/L	10.4	3.1	2.5		06/24/19 19:41	1634-04-4	
Methylene Chloride	**<1.5**	ug/L	12.5	1.5	2.5		06/24/19 19:41	75-09-2	
Naphthalene	**<2.9**	ug/L	12.5	2.9	2.5		06/24/19 19:41	91-20-3	
Styrene	**<1.2**	ug/L	3.9	1.2	2.5		06/24/19 19:41	100-42-5	
Tetrachloroethene	**<0.82**	ug/L	2.7	0.82	2.5		06/24/19 19:41	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: RW-13 **Lab ID: 40189917001** Collected: 06/20/19 09:21 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.43**	ug/L	12.5	0.43	2.5		06/24/19 19:41	108-88-3	
Trichloroethene	**71.0**	ug/L	2.5	0.64	2.5		06/24/19 19:41	79-01-6	
Trichlorofluoromethane	**<0.54**	ug/L	2.5	0.54	2.5		06/24/19 19:41	75-69-4	
Vinyl chloride	**24.6**	ug/L	2.5	0.44	2.5		06/24/19 19:41	75-01-4	
cis-1,2-Dichloroethene	**351**	ug/L	2.5	0.68	2.5		06/24/19 19:41	156-59-2	
cis-1,3-Dichloropropene	**<9.1**	ug/L	30.2	9.1	2.5		06/24/19 19:41	10061-01-5	
m&p-Xylene	**<1.2**	ug/L	5.0	1.2	2.5		06/24/19 19:41	179601-23-1	
n-Butylbenzene	**<1.8**	ug/L	5.9	1.8	2.5		06/24/19 19:41	104-51-8	
n-Propylbenzene	**<2.0**	ug/L	12.5	2.0	2.5		06/24/19 19:41	103-65-1	
o-Xylene	**<0.65**	ug/L	2.5	0.65	2.5		06/24/19 19:41	95-47-6	
p-Isopropyltoluene	**<2.0**	ug/L	6.7	2.0	2.5		06/24/19 19:41	99-87-6	
sec-Butylbenzene	**<2.1**	ug/L	12.5	2.1	2.5		06/24/19 19:41	135-98-8	
tert-Butylbenzene	**<0.76**	ug/L	2.5	0.76	2.5		06/24/19 19:41	98-06-6	
trans-1,2-Dichloroethene	**<2.7**	ug/L	9.1	2.7	2.5		06/24/19 19:41	156-60-5	
trans-1,3-Dichloropropene	**<10.9**	ug/L	36.4	10.9	2.5		06/24/19 19:41	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		2.5		06/24/19 19:41	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		2.5		06/24/19 19:41	1868-53-7	
Toluene-d8 (S)	101	%	70-130		2.5		06/24/19 19:41	2037-26-5	

Sample: RW-12 **Lab ID: 40189917002** Collected: 06/20/19 10:03 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/24/19 18:36	630-20-6	
1,1,1-Trichloroethane	**5.8**	ug/L	1.0	0.24	1		06/24/19 18:36	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/24/19 18:36	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/24/19 18:36	79-00-5	
1,1-Dichloroethane	**25.1**	ug/L	1.0	0.27	1		06/24/19 18:36	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/24/19 18:36	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/24/19 18:36	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/24/19 18:36	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/24/19 18:36	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/24/19 18:36	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/24/19 18:36	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/24/19 18:36	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/24/19 18:36	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/24/19 18:36	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/24/19 18:36	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/24/19 18:36	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/24/19 18:36	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/24/19 18:36	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/24/19 18:36	142-28-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: RW-12 **Lab ID: 40189917002** Collected: 06/20/19 10:03 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/24/19 18:36	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/24/19 18:36	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/24/19 18:36	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/24/19 18:36	106-43-4	
Benzene	**0.37J**	ug/L	1.0	0.25	1		06/24/19 18:36	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/24/19 18:36	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/24/19 18:36	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/24/19 18:36	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/24/19 18:36	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/24/19 18:36	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/24/19 18:36	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/24/19 18:36	108-90-7	
Chloroethane	**2.0J**	ug/L	5.0	1.3	1		06/24/19 18:36	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/24/19 18:36	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/24/19 18:36	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/24/19 18:36	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/24/19 18:36	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/24/19 18:36	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/24/19 18:36	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/24/19 18:36	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/24/19 18:36	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/24/19 18:36	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/24/19 18:36	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/24/19 18:36	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/24/19 18:36	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/24/19 18:36	100-42-5	
Tetrachloroethene	**0.53J**	ug/L	1.1	0.33	1		06/24/19 18:36	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/24/19 18:36	108-88-3	
Trichloroethene	**4.4**	ug/L	1.0	0.26	1		06/24/19 18:36	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/24/19 18:36	75-69-4	
Vinyl chloride	**7.3**	ug/L	1.0	0.17	1		06/24/19 18:36	75-01-4	
cis-1,2-Dichloroethene	**21.4**	ug/L	1.0	0.27	1		06/24/19 18:36	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/24/19 18:36	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/24/19 18:36	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/24/19 18:36	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/24/19 18:36	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/24/19 18:36	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/24/19 18:36	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/24/19 18:36	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/24/19 18:36	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/24/19 18:36	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/24/19 18:36	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/24/19 18:36	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		06/24/19 18:36	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/24/19 18:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: RW-11 **Lab ID: 40189917003** Collected: 06/20/19 10:37 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/24/19 18:15	630-20-6	
1,1,1-Trichloroethane	**1.5**	ug/L	1.0	0.24	1		06/24/19 18:15	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/24/19 18:15	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/24/19 18:15	79-00-5	
1,1-Dichloroethane	**2.1**	ug/L	1.0	0.27	1		06/24/19 18:15	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/24/19 18:15	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/24/19 18:15	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/24/19 18:15	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/24/19 18:15	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/24/19 18:15	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/24/19 18:15	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/24/19 18:15	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/24/19 18:15	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/24/19 18:15	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/24/19 18:15	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/24/19 18:15	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/24/19 18:15	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/24/19 18:15	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/24/19 18:15	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/24/19 18:15	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/24/19 18:15	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/24/19 18:15	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/24/19 18:15	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/24/19 18:15	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/24/19 18:15	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/24/19 18:15	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/24/19 18:15	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/24/19 18:15	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/24/19 18:15	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/24/19 18:15	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/24/19 18:15	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/24/19 18:15	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/24/19 18:15	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/24/19 18:15	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/24/19 18:15	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/24/19 18:15	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/24/19 18:15	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/24/19 18:15	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/24/19 18:15	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/24/19 18:15	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/24/19 18:15	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/24/19 18:15	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/24/19 18:15	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/24/19 18:15	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/24/19 18:15	100-42-5	
Tetrachloroethene	**0.81J**	ug/L	1.1	0.33	1		06/24/19 18:15	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: RW-11 **Lab ID: 40189917003** Collected: 06/20/19 10:37 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/24/19 18:15	108-88-3	
Trichloroethene	**4.1**	ug/L	1.0	0.26	1		06/24/19 18:15	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/24/19 18:15	75-69-4	
Vinyl chloride	**8.4**	ug/L	1.0	0.17	1		06/24/19 18:15	75-01-4	
cis-1,2-Dichloroethene	**33.8**	ug/L	1.0	0.27	1		06/24/19 18:15	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/24/19 18:15	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/24/19 18:15	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/24/19 18:15	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/24/19 18:15	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/24/19 18:15	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/24/19 18:15	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/24/19 18:15	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/24/19 18:15	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/24/19 18:15	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/24/19 18:15	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/24/19 18:15	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		06/24/19 18:15	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		06/24/19 18:15	2037-26-5	

Sample: OP-10 **Lab ID: 40189917004** Collected: 06/20/19 11:24 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/25/19 11:08	630-20-6	
1,1,1-Trichloroethane	**0.79J**	ug/L	1.0	0.24	1		06/25/19 11:08	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 11:08	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/25/19 11:08	79-00-5	
1,1-Dichloroethane	**4.5**	ug/L	1.0	0.27	1		06/25/19 11:08	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/25/19 11:08	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/25/19 11:08	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/25/19 11:08	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/25/19 11:08	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/25/19 11:08	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/25/19 11:08	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/25/19 11:08	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/25/19 11:08	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 11:08	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 11:08	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 11:08	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/25/19 11:08	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/25/19 11:08	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/25/19 11:08	142-28-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: OP-10 **Lab ID: 40189917004** Collected: 06/20/19 11:24 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/25/19 11:08	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/25/19 11:08	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/25/19 11:08	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/25/19 11:08	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/25/19 11:08	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/25/19 11:08	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/25/19 11:08	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/25/19 11:08	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/25/19 11:08	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/25/19 11:08	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/25/19 11:08	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 11:08	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/25/19 11:08	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/25/19 11:08	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/25/19 11:08	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/25/19 11:08	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/25/19 11:08	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/25/19 11:08	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/25/19 11:08	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/25/19 11:08	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/25/19 11:08	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/25/19 11:08	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/25/19 11:08	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/25/19 11:08	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/25/19 11:08	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/25/19 11:08	100-42-5	
Tetrachloroethene	**0.75J**	ug/L	1.1	0.33	1		06/25/19 11:08	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/25/19 11:08	108-88-3	
Trichloroethene	**8.6**	ug/L	1.0	0.26	1		06/25/19 11:08	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/25/19 11:08	75-69-4	
Vinyl chloride	**13.6**	ug/L	1.0	0.17	1		06/25/19 11:08	75-01-4	
cis-1,2-Dichloroethene	**9.6**	ug/L	1.0	0.27	1		06/25/19 11:08	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/25/19 11:08	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/25/19 11:08	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 11:08	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/25/19 11:08	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/25/19 11:08	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/25/19 11:08	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/25/19 11:08	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/25/19 11:08	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/25/19 11:08	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/25/19 11:08	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/25/19 11:08	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		06/25/19 11:08	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		06/25/19 11:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: RW-10 **Lab ID: 40189917005** Collected: 06/20/19 11:55 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/24/19 18:58	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/24/19 18:58	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/24/19 18:58	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/24/19 18:58	79-00-5	
1,1-Dichloroethane	**0.89J**	ug/L	1.0	0.27	1		06/24/19 18:58	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/24/19 18:58	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/24/19 18:58	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/24/19 18:58	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/24/19 18:58	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/24/19 18:58	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/24/19 18:58	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/24/19 18:58	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/24/19 18:58	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/24/19 18:58	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/24/19 18:58	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/24/19 18:58	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/24/19 18:58	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/24/19 18:58	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/24/19 18:58	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/24/19 18:58	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/24/19 18:58	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/24/19 18:58	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/24/19 18:58	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/24/19 18:58	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/24/19 18:58	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/24/19 18:58	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/24/19 18:58	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/24/19 18:58	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/24/19 18:58	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/24/19 18:58	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/24/19 18:58	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/24/19 18:58	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/24/19 18:58	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/24/19 18:58	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/24/19 18:58	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/24/19 18:58	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/24/19 18:58	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/24/19 18:58	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/24/19 18:58	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/24/19 18:58	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/24/19 18:58	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/24/19 18:58	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/24/19 18:58	75-09-2	
Naphthalene	**1.2J**	ug/L	5.0	1.2	1		06/24/19 18:58	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/24/19 18:58	100-42-5	
Tetrachloroethene	**0.59J**	ug/L	1.1	0.33	1		06/24/19 18:58	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: RW-10 **Lab ID: 40189917005** Collected: 06/20/19 11:55 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/24/19 18:58	108-88-3	
Trichloroethene	**4.0**	ug/L	1.0	0.26	1		06/24/19 18:58	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/24/19 18:58	75-69-4	
Vinyl chloride	**2.9**	ug/L	1.0	0.17	1		06/24/19 18:58	75-01-4	
cis-1,2-Dichloroethene	**12.2**	ug/L	1.0	0.27	1		06/24/19 18:58	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/24/19 18:58	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/24/19 18:58	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/24/19 18:58	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/24/19 18:58	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/24/19 18:58	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/24/19 18:58	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/24/19 18:58	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/24/19 18:58	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/24/19 18:58	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/24/19 18:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/24/19 18:58	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		06/24/19 18:58	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/24/19 18:58	2037-26-5	

Sample: RW-28 **Lab ID: 40189917006** Collected: 06/20/19 12:23 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/24/19 19:19	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/24/19 19:19	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/24/19 19:19	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/24/19 19:19	79-00-5	
1,1-Dichloroethane	**1.0**	ug/L	1.0	0.27	1		06/24/19 19:19	75-34-3	
1,1-Dichloroethene	**0.83J**	ug/L	1.0	0.24	1		06/24/19 19:19	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/24/19 19:19	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/24/19 19:19	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/24/19 19:19	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/24/19 19:19	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/24/19 19:19	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/24/19 19:19	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/24/19 19:19	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/24/19 19:19	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/24/19 19:19	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/24/19 19:19	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/24/19 19:19	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/24/19 19:19	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/24/19 19:19	142-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: RW-28 **Lab ID: 40189917006** Collected: 06/20/19 12:23 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/24/19 19:19	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/24/19 19:19	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/24/19 19:19	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/24/19 19:19	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/24/19 19:19	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/24/19 19:19	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/24/19 19:19	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/24/19 19:19	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/24/19 19:19	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/24/19 19:19	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/24/19 19:19	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/24/19 19:19	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/24/19 19:19	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/24/19 19:19	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/24/19 19:19	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/24/19 19:19	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/24/19 19:19	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/24/19 19:19	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/24/19 19:19	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/24/19 19:19	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/24/19 19:19	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/24/19 19:19	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/24/19 19:19	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/24/19 19:19	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/24/19 19:19	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/24/19 19:19	100-42-5	
Tetrachloroethene	**0.81J**	ug/L	1.1	0.33	1		06/24/19 19:19	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/24/19 19:19	108-88-3	
Trichloroethene	**3.6**	ug/L	1.0	0.26	1		06/24/19 19:19	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/24/19 19:19	75-69-4	
Vinyl chloride	**166**	ug/L	1.0	0.17	1		06/24/19 19:19	75-01-4	
cis-1,2-Dichloroethene	**171**	ug/L	1.0	0.27	1		06/24/19 19:19	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/24/19 19:19	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/24/19 19:19	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/24/19 19:19	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/24/19 19:19	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/24/19 19:19	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/24/19 19:19	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/24/19 19:19	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/24/19 19:19	98-06-6	
trans-1,2-Dichloroethene	**1.2J**	ug/L	3.6	1.1	1		06/24/19 19:19	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/24/19 19:19	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		06/24/19 19:19	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		06/24/19 19:19	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/24/19 19:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: OP-8 **Lab ID: 40189917007** Collected: 06/20/19 13:16 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/25/19 11:30	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/25/19 11:30	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 11:30	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/25/19 11:30	79-00-5	
1,1-Dichloroethane	**1.1**	ug/L	1.0	0.27	1		06/25/19 11:30	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/25/19 11:30	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/25/19 11:30	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/25/19 11:30	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/25/19 11:30	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/25/19 11:30	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/25/19 11:30	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/25/19 11:30	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/25/19 11:30	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 11:30	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 11:30	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 11:30	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/25/19 11:30	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/25/19 11:30	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/25/19 11:30	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/25/19 11:30	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/25/19 11:30	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/25/19 11:30	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/25/19 11:30	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/25/19 11:30	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/25/19 11:30	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/25/19 11:30	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/25/19 11:30	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/25/19 11:30	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/25/19 11:30	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/25/19 11:30	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 11:30	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/25/19 11:30	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/25/19 11:30	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/25/19 11:30	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/25/19 11:30	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/25/19 11:30	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/25/19 11:30	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/25/19 11:30	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/25/19 11:30	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/25/19 11:30	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/25/19 11:30	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/25/19 11:30	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/25/19 11:30	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/25/19 11:30	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/25/19 11:30	100-42-5	
Tetrachloroethene	**0.95J**	ug/L	1.1	0.33	1		06/25/19 11:30	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: OP-8 **Lab ID: 40189917007** Collected: 06/20/19 13:16 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/25/19 11:30	108-88-3	
Trichloroethene	**2.7**	ug/L	1.0	0.26	1		06/25/19 11:30	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/25/19 11:30	75-69-4	
Vinyl chloride	**1.3**	ug/L	1.0	0.17	1		06/25/19 11:30	75-01-4	
cis-1,2-Dichloroethene	**2.9**	ug/L	1.0	0.27	1		06/25/19 11:30	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/25/19 11:30	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/25/19 11:30	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 11:30	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/25/19 11:30	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/25/19 11:30	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/25/19 11:30	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/25/19 11:30	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/25/19 11:30	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/25/19 11:30	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/25/19 11:30	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/25/19 11:30	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		06/25/19 11:30	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		06/25/19 11:30	2037-26-5	

Sample: RW-7 **Lab ID: 40189917008** Collected: 06/20/19 13:52 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		06/24/19 20:45	630-20-6	
1,1,1-Trichloroethane	**<2.4**	ug/L	10.0	2.4	10		06/24/19 20:45	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		06/24/19 20:45	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		06/24/19 20:45	79-00-5	
1,1-Dichloroethane	**<2.7**	ug/L	10.0	2.7	10		06/24/19 20:45	75-34-3	
1,1-Dichloroethene	**45.7**	ug/L	10.0	2.4	10		06/24/19 20:45	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		06/24/19 20:45	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		06/24/19 20:45	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		06/24/19 20:45	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		06/24/19 20:45	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		06/24/19 20:45	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		06/24/19 20:45	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		06/24/19 20:45	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		06/24/19 20:45	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		06/24/19 20:45	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		06/24/19 20:45	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		06/24/19 20:45	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		06/24/19 20:45	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		06/24/19 20:45	142-28-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: RW-7 **Lab ID: 40189917008** Collected: 06/20/19 13:52 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		06/24/19 20:45	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		06/24/19 20:45	594-20-7	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		06/24/19 20:45	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		06/24/19 20:45	106-43-4	
Benzene	**<2.5**	ug/L	10.0	2.5	10		06/24/19 20:45	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		06/24/19 20:45	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		06/24/19 20:45	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		06/24/19 20:45	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		06/24/19 20:45	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		06/24/19 20:45	74-83-9	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		06/24/19 20:45	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		06/24/19 20:45	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		06/24/19 20:45	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		06/24/19 20:45	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		06/24/19 20:45	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		06/24/19 20:45	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		06/24/19 20:45	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		06/24/19 20:45	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		06/24/19 20:45	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		06/24/19 20:45	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		06/24/19 20:45	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		06/24/19 20:45	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/24/19 20:45	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		06/24/19 20:45	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		06/24/19 20:45	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		06/24/19 20:45	100-42-5	
Tetrachloroethene	**<3.3**	ug/L	10.9	3.3	10		06/24/19 20:45	127-18-4	
Toluene	**<1.7**	ug/L	50.0	1.7	10		06/24/19 20:45	108-88-3	
Trichloroethene	**928**	ug/L	10.0	2.6	10		06/24/19 20:45	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		06/24/19 20:45	75-69-4	
Vinyl chloride	**567**	ug/L	10.0	1.7	10		06/24/19 20:45	75-01-4	
cis-1,2-Dichloroethene	**10900**	ug/L	200	54.2	200		06/25/19 09:21	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		06/24/19 20:45	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		06/24/19 20:45	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		06/24/19 20:45	104-51-8	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		06/24/19 20:45	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		06/24/19 20:45	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		06/24/19 20:45	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		06/24/19 20:45	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		06/24/19 20:45	98-06-6	
trans-1,2-Dichloroethene	**53.7**	ug/L	36.4	10.9	10		06/24/19 20:45	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		06/24/19 20:45	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		10		06/24/19 20:45	460-00-4	HS
Dibromofluoromethane (S)	102	%	70-130		10		06/24/19 20:45	1868-53-7	
Toluene-d8 (S)	102	%	70-130		10		06/24/19 20:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: RW-27 **Lab ID: 40189917009** Collected: 06/20/19 14:24 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/25/19 11:51	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/25/19 11:51	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 11:51	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/25/19 11:51	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/25/19 11:51	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/25/19 11:51	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/25/19 11:51	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/25/19 11:51	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/25/19 11:51	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/25/19 11:51	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/25/19 11:51	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/25/19 11:51	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/25/19 11:51	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 11:51	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 11:51	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 11:51	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/25/19 11:51	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/25/19 11:51	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/25/19 11:51	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/25/19 11:51	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/25/19 11:51	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/25/19 11:51	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/25/19 11:51	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/25/19 11:51	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/25/19 11:51	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/25/19 11:51	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/25/19 11:51	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/25/19 11:51	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/25/19 11:51	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/25/19 11:51	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 11:51	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/25/19 11:51	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/25/19 11:51	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/25/19 11:51	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/25/19 11:51	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/25/19 11:51	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/25/19 11:51	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/25/19 11:51	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/25/19 11:51	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/25/19 11:51	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/25/19 11:51	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/25/19 11:51	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/25/19 11:51	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/25/19 11:51	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/25/19 11:51	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		06/25/19 11:51	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: RW-27 **Lab ID: 40189917009** Collected: 06/20/19 14:24 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/25/19 11:51	108-88-3	
Trichloroethene	**0.56J**	ug/L	1.0	0.26	1		06/25/19 11:51	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/25/19 11:51	75-69-4	
Vinyl chloride	**7.0**	ug/L	1.0	0.17	1		06/25/19 11:51	75-01-4	
cis-1,2-Dichloroethene	**53.7**	ug/L	1.0	0.27	1		06/25/19 11:51	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/25/19 11:51	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/25/19 11:51	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 11:51	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/25/19 11:51	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/25/19 11:51	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/25/19 11:51	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/25/19 11:51	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/25/19 11:51	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/25/19 11:51	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/25/19 11:51	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/25/19 11:51	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		06/25/19 11:51	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		06/25/19 11:51	2037-26-5	

Sample: OP-7 **Lab ID: 40189917010** Collected: 06/20/19 15:01 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		06/24/19 21:28	630-20-6	
1,1,1-Trichloroethane	**3.1J**	ug/L	10.0	2.4	10		06/24/19 21:28	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		06/24/19 21:28	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		06/24/19 21:28	79-00-5	
1,1-Dichloroethane	**2.9J**	ug/L	10.0	2.7	10		06/24/19 21:28	75-34-3	
1,1-Dichloroethene	**5.9J**	ug/L	10.0	2.4	10		06/24/19 21:28	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		06/24/19 21:28	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		06/24/19 21:28	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		06/24/19 21:28	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		06/24/19 21:28	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		06/24/19 21:28	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		06/24/19 21:28	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		06/24/19 21:28	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		06/24/19 21:28	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		06/24/19 21:28	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		06/24/19 21:28	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		06/24/19 21:28	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		06/24/19 21:28	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		06/24/19 21:28	142-28-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: OP-7 **Lab ID: 40189917010** Collected: 06/20/19 15:01 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		06/24/19 21:28	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		06/24/19 21:28	594-20-7	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		06/24/19 21:28	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		06/24/19 21:28	106-43-4	
Benzene	**<2.5**	ug/L	10.0	2.5	10		06/24/19 21:28	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		06/24/19 21:28	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		06/24/19 21:28	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		06/24/19 21:28	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		06/24/19 21:28	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		06/24/19 21:28	74-83-9	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		06/24/19 21:28	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		06/24/19 21:28	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		06/24/19 21:28	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		06/24/19 21:28	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		06/24/19 21:28	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		06/24/19 21:28	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		06/24/19 21:28	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		06/24/19 21:28	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		06/24/19 21:28	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		06/24/19 21:28	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		06/24/19 21:28	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		06/24/19 21:28	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/24/19 21:28	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		06/24/19 21:28	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		06/24/19 21:28	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		06/24/19 21:28	100-42-5	
Tetrachloroethene	**3.8J**	ug/L	10.9	3.3	10		06/24/19 21:28	127-18-4	
Toluene	**<1.7**	ug/L	50.0	1.7	10		06/24/19 21:28	108-88-3	
Trichloroethene	**646**	ug/L	10.0	2.6	10		06/24/19 21:28	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		06/24/19 21:28	75-69-4	
Vinyl chloride	**4.5J**	ug/L	10.0	1.7	10		06/24/19 21:28	75-01-4	
cis-1,2-Dichloroethene	**904**	ug/L	10.0	2.7	10		06/24/19 21:28	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		06/24/19 21:28	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		06/24/19 21:28	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		06/24/19 21:28	104-51-8	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		06/24/19 21:28	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		06/24/19 21:28	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		06/24/19 21:28	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		06/24/19 21:28	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		06/24/19 21:28	98-06-6	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		06/24/19 21:28	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		06/24/19 21:28	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		10		06/24/19 21:28	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		10		06/24/19 21:28	1868-53-7	
Toluene-d8 (S)	102	%	70-130		10		06/24/19 21:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: DUP-5 **Lab ID: 40189917011** Collected: 06/20/19 00:00 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/25/19 12:13	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/25/19 12:13	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 12:13	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/25/19 12:13	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/25/19 12:13	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/25/19 12:13	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/25/19 12:13	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/25/19 12:13	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/25/19 12:13	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/25/19 12:13	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/25/19 12:13	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/25/19 12:13	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/25/19 12:13	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 12:13	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 12:13	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 12:13	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/25/19 12:13	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/25/19 12:13	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/25/19 12:13	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/25/19 12:13	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/25/19 12:13	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/25/19 12:13	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/25/19 12:13	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/25/19 12:13	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/25/19 12:13	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/25/19 12:13	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/25/19 12:13	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/25/19 12:13	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/25/19 12:13	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/25/19 12:13	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 12:13	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/25/19 12:13	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/25/19 12:13	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/25/19 12:13	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/25/19 12:13	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/25/19 12:13	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/25/19 12:13	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/25/19 12:13	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/25/19 12:13	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/25/19 12:13	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/25/19 12:13	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/25/19 12:13	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/25/19 12:13	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/25/19 12:13	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/25/19 12:13	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		06/25/19 12:13	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: DUP-5 **Lab ID: 40189917011** Collected: 06/20/19 00:00 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/25/19 12:13	108-88-3	
Trichloroethene	**0.52J**	ug/L	1.0	0.26	1		06/25/19 12:13	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/25/19 12:13	75-69-4	
Vinyl chloride	**6.7**	ug/L	1.0	0.17	1		06/25/19 12:13	75-01-4	
cis-1,2-Dichloroethene	**53.0**	ug/L	1.0	0.27	1		06/25/19 12:13	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/25/19 12:13	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/25/19 12:13	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 12:13	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/25/19 12:13	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/25/19 12:13	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/25/19 12:13	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/25/19 12:13	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/25/19 12:13	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/25/19 12:13	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/25/19 12:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/25/19 12:13	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		06/25/19 12:13	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		06/25/19 12:13	2037-26-5	

Sample: TRIP-1 **Lab ID: 40189917012** Collected: 06/20/19 00:00 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/24/19 17:53	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/24/19 17:53	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/24/19 17:53	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/24/19 17:53	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/24/19 17:53	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/24/19 17:53	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/24/19 17:53	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/24/19 17:53	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/24/19 17:53	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/24/19 17:53	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/24/19 17:53	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/24/19 17:53	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/24/19 17:53	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/24/19 17:53	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/24/19 17:53	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/24/19 17:53	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/24/19 17:53	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/24/19 17:53	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/24/19 17:53	142-28-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: TRIP-1 **Lab ID: 40189917012** Collected: 06/20/19 00:00 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/24/19 17:53	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/24/19 17:53	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/24/19 17:53	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/24/19 17:53	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/24/19 17:53	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/24/19 17:53	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/24/19 17:53	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/24/19 17:53	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/24/19 17:53	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/24/19 17:53	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/24/19 17:53	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/24/19 17:53	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/24/19 17:53	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/24/19 17:53	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/24/19 17:53	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/24/19 17:53	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/24/19 17:53	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/24/19 17:53	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/24/19 17:53	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/24/19 17:53	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/24/19 17:53	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/24/19 17:53	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/24/19 17:53	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/24/19 17:53	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/24/19 17:53	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/24/19 17:53	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		06/24/19 17:53	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/24/19 17:53	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/24/19 17:53	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/24/19 17:53	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/24/19 17:53	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		06/24/19 17:53	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/24/19 17:53	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/24/19 17:53	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/24/19 17:53	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/24/19 17:53	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/24/19 17:53	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/24/19 17:53	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/24/19 17:53	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/24/19 17:53	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/24/19 17:53	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/24/19 17:53	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		06/24/19 17:53	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		06/24/19 17:53	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/24/19 17:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: RW-16 **Lab ID: 40189917013** Collected: 06/20/19 09:38 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		06/24/19 22:11	630-20-6	
1,1,1-Trichloroethane	**<2.4**	ug/L	10.0	2.4	10		06/24/19 22:11	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		06/24/19 22:11	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		06/24/19 22:11	79-00-5	
1,1-Dichloroethane	**4.1J**	ug/L	10.0	2.7	10		06/24/19 22:11	75-34-3	
1,1-Dichloroethene	**13.2**	ug/L	10.0	2.4	10		06/24/19 22:11	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		06/24/19 22:11	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		06/24/19 22:11	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		06/24/19 22:11	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		06/24/19 22:11	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		06/24/19 22:11	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		06/24/19 22:11	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		06/24/19 22:11	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		06/24/19 22:11	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		06/24/19 22:11	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		06/24/19 22:11	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		06/24/19 22:11	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		06/24/19 22:11	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		06/24/19 22:11	142-28-9	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		06/24/19 22:11	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		06/24/19 22:11	594-20-7	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		06/24/19 22:11	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		06/24/19 22:11	106-43-4	
Benzene	**<2.5**	ug/L	10.0	2.5	10		06/24/19 22:11	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		06/24/19 22:11	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		06/24/19 22:11	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		06/24/19 22:11	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		06/24/19 22:11	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		06/24/19 22:11	74-83-9	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		06/24/19 22:11	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		06/24/19 22:11	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		06/24/19 22:11	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		06/24/19 22:11	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		06/24/19 22:11	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		06/24/19 22:11	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		06/24/19 22:11	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		06/24/19 22:11	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		06/24/19 22:11	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		06/24/19 22:11	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		06/24/19 22:11	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		06/24/19 22:11	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/24/19 22:11	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		06/24/19 22:11	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		06/24/19 22:11	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		06/24/19 22:11	100-42-5	
Tetrachloroethene	**<3.3**	ug/L	10.9	3.3	10		06/24/19 22:11	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: RW-16 **Lab ID: 40189917013** Collected: 06/20/19 09:38 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<1.7**	ug/L	50.0	1.7	10		06/24/19 22:11	108-88-3	
Trichloroethene	**9790**	ug/L	200	51.0	200		06/25/19 09:42	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		06/24/19 22:11	75-69-4	
Vinyl chloride	**10.1**	ug/L	10.0	1.7	10		06/24/19 22:11	75-01-4	
cis-1,2-Dichloroethene	**767**	ug/L	10.0	2.7	10		06/24/19 22:11	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		06/24/19 22:11	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		06/24/19 22:11	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		06/24/19 22:11	104-51-8	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		06/24/19 22:11	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		06/24/19 22:11	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		06/24/19 22:11	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		06/24/19 22:11	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		06/24/19 22:11	98-06-6	
trans-1,2-Dichloroethene	**305**	ug/L	36.4	10.9	10		06/24/19 22:11	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		06/24/19 22:11	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		10		06/24/19 22:11	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		10		06/24/19 22:11	1868-53-7	
Toluene-d8 (S)	102	%	70-130		10		06/24/19 22:11	2037-26-5	

Sample: OP-14 **Lab ID: 40189917014** Collected: 06/20/19 11:04 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		06/24/19 22:33	630-20-6	
1,1,1-Trichloroethane	**2.9J**	ug/L	10.0	2.4	10		06/24/19 22:33	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		06/24/19 22:33	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		06/24/19 22:33	79-00-5	
1,1-Dichloroethane	**<2.7**	ug/L	10.0	2.7	10		06/24/19 22:33	75-34-3	
1,1-Dichloroethene	**<2.4**	ug/L	10.0	2.4	10		06/24/19 22:33	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		06/24/19 22:33	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		06/24/19 22:33	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		06/24/19 22:33	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		06/24/19 22:33	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		06/24/19 22:33	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		06/24/19 22:33	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		06/24/19 22:33	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		06/24/19 22:33	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		06/24/19 22:33	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		06/24/19 22:33	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		06/24/19 22:33	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		06/24/19 22:33	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		06/24/19 22:33	142-28-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: OP-14 **Lab ID: 40189917014** Collected: 06/20/19 11:04 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		06/24/19 22:33	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		06/24/19 22:33	594-20-7	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		06/24/19 22:33	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		06/24/19 22:33	106-43-4	
Benzene	**<2.5**	ug/L	10.0	2.5	10		06/24/19 22:33	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		06/24/19 22:33	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		06/24/19 22:33	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		06/24/19 22:33	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		06/24/19 22:33	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		06/24/19 22:33	74-83-9	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		06/24/19 22:33	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		06/24/19 22:33	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		06/24/19 22:33	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		06/24/19 22:33	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		06/24/19 22:33	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		06/24/19 22:33	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		06/24/19 22:33	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		06/24/19 22:33	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		06/24/19 22:33	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		06/24/19 22:33	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		06/24/19 22:33	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		06/24/19 22:33	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/24/19 22:33	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		06/24/19 22:33	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		06/24/19 22:33	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		06/24/19 22:33	100-42-5	
Tetrachloroethene	**13.3**	ug/L	10.9	3.3	10		06/24/19 22:33	127-18-4	
Toluene	**<1.7**	ug/L	50.0	1.7	10		06/24/19 22:33	108-88-3	
Trichloroethene	**473**	ug/L	10.0	2.6	10		06/24/19 22:33	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		06/24/19 22:33	75-69-4	
Vinyl chloride	**<1.7**	ug/L	10.0	1.7	10		06/24/19 22:33	75-01-4	
cis-1,2-Dichloroethene	**16.4**	ug/L	10.0	2.7	10		06/24/19 22:33	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		06/24/19 22:33	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		06/24/19 22:33	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		06/24/19 22:33	104-51-8	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		06/24/19 22:33	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		06/24/19 22:33	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		06/24/19 22:33	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		06/24/19 22:33	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		06/24/19 22:33	98-06-6	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		06/24/19 22:33	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		06/24/19 22:33	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		10		06/24/19 22:33	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		10		06/24/19 22:33	1868-53-7	
Toluene-d8 (S)	103	%	70-130		10		06/24/19 22:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: RW-17 **Lab ID: 40189917015** Collected: 06/20/19 12:04 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		06/24/19 22:55	630-20-6	
1,1,1-Trichloroethane	**54.5**	ug/L	10.0	2.4	10		06/24/19 22:55	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		06/24/19 22:55	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		06/24/19 22:55	79-00-5	
1,1-Dichloroethane	**6.6J**	ug/L	10.0	2.7	10		06/24/19 22:55	75-34-3	
1,1-Dichloroethene	**<2.4**	ug/L	10.0	2.4	10		06/24/19 22:55	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		06/24/19 22:55	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		06/24/19 22:55	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		06/24/19 22:55	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		06/24/19 22:55	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		06/24/19 22:55	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		06/24/19 22:55	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		06/24/19 22:55	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		06/24/19 22:55	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		06/24/19 22:55	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		06/24/19 22:55	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		06/24/19 22:55	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		06/24/19 22:55	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		06/24/19 22:55	142-28-9	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		06/24/19 22:55	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		06/24/19 22:55	594-20-7	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		06/24/19 22:55	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		06/24/19 22:55	106-43-4	
Benzene	**<2.5**	ug/L	10.0	2.5	10		06/24/19 22:55	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		06/24/19 22:55	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		06/24/19 22:55	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		06/24/19 22:55	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		06/24/19 22:55	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		06/24/19 22:55	74-83-9	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		06/24/19 22:55	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		06/24/19 22:55	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		06/24/19 22:55	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		06/24/19 22:55	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		06/24/19 22:55	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		06/24/19 22:55	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		06/24/19 22:55	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		06/24/19 22:55	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		06/24/19 22:55	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		06/24/19 22:55	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		06/24/19 22:55	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		06/24/19 22:55	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/24/19 22:55	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		06/24/19 22:55	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		06/24/19 22:55	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		06/24/19 22:55	100-42-5	
Tetrachloroethene	**7.3J**	ug/L	10.9	3.3	10		06/24/19 22:55	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: RW-17 **Lab ID: 40189917015** Collected: 06/20/19 12:04 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<1.7**	ug/L	50.0	1.7	10		06/24/19 22:55	108-88-3	
Trichloroethene	**606**	ug/L	10.0	2.6	10		06/24/19 22:55	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		06/24/19 22:55	75-69-4	
Vinyl chloride	**<1.7**	ug/L	10.0	1.7	10		06/24/19 22:55	75-01-4	
cis-1,2-Dichloroethene	**39.3**	ug/L	10.0	2.7	10		06/24/19 22:55	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		06/24/19 22:55	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		06/24/19 22:55	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		06/24/19 22:55	104-51-8	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		06/24/19 22:55	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		06/24/19 22:55	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		06/24/19 22:55	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		06/24/19 22:55	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		06/24/19 22:55	98-06-6	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		06/24/19 22:55	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		06/24/19 22:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		10		06/24/19 22:55	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		10		06/24/19 22:55	1868-53-7	
Toluene-d8 (S)	101	%	70-130		10		06/24/19 22:55	2037-26-5	

Sample: RW-18 **Lab ID: 40189917016** Collected: 06/20/19 12:52 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<1.3**	ug/L	5.0	1.3	5		06/25/19 10:04	630-20-6	
1,1,1-Trichloroethane	**74.4**	ug/L	5.0	1.2	5		06/25/19 10:04	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.4**	ug/L	5.0	1.4	5		06/25/19 10:04	79-34-5	
1,1,2-Trichloroethane	**<2.8**	ug/L	25.0	2.8	5		06/25/19 10:04	79-00-5	
1,1-Dichloroethane	**5.2**	ug/L	5.0	1.4	5		06/25/19 10:04	75-34-3	
1,1-Dichloroethene	**3.1J**	ug/L	5.0	1.2	5		06/25/19 10:04	75-35-4	
1,1-Dichloropropene	**<2.7**	ug/L	9.0	2.7	5		06/25/19 10:04	563-58-6	
1,2,3-Trichlorobenzene	**<3.1**	ug/L	25.0	3.1	5		06/25/19 10:04	87-61-6	
1,2,3-Trichloropropane	**<3.0**	ug/L	25.0	3.0	5		06/25/19 10:04	96-18-4	
1,2,4-Trichlorobenzene	**<4.8**	ug/L	25.0	4.8	5		06/25/19 10:04	120-82-1	
1,2,4-Trimethylbenzene	**<4.2**	ug/L	14.0	4.2	5		06/25/19 10:04	95-63-6	
1,2-Dibromo-3-chloropropane	**<8.8**	ug/L	29.4	8.8	5		06/25/19 10:04	96-12-8	
1,2-Dibromoethane (EDB)	**<4.1**	ug/L	13.8	4.1	5		06/25/19 10:04	106-93-4	
1,2-Dichlorobenzene	**<3.5**	ug/L	11.8	3.5	5		06/25/19 10:04	95-50-1	
1,2-Dichloroethane	**<1.4**	ug/L	5.0	1.4	5		06/25/19 10:04	107-06-2	
1,2-Dichloropropane	**<1.4**	ug/L	5.0	1.4	5		06/25/19 10:04	78-87-5	
1,3,5-Trimethylbenzene	**<4.4**	ug/L	14.6	4.4	5		06/25/19 10:04	108-67-8	
1,3-Dichlorobenzene	**<3.1**	ug/L	10.5	3.1	5		06/25/19 10:04	541-73-1	
1,3-Dichloropropane	**<4.1**	ug/L	13.8	4.1	5		06/25/19 10:04	142-28-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: RW-18 **Lab ID: 40189917016** Collected: 06/20/19 12:52 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<4.7**	ug/L	15.7	4.7	5		06/25/19 10:04	106-46-7	
2,2-Dichloropropane	**<11.3**	ug/L	37.8	11.3	5		06/25/19 10:04	594-20-7	
2-Chlorotoluene	**<4.6**	ug/L	25.0	4.6	5		06/25/19 10:04	95-49-8	
4-Chlorotoluene	**<3.8**	ug/L	12.6	3.8	5		06/25/19 10:04	106-43-4	
Benzene	**<1.2**	ug/L	5.0	1.2	5		06/25/19 10:04	71-43-2	
Bromobenzene	**<1.2**	ug/L	5.0	1.2	5		06/25/19 10:04	108-86-1	
Bromochloromethane	**<1.8**	ug/L	25.0	1.8	5		06/25/19 10:04	74-97-5	
Bromodichloromethane	**<1.8**	ug/L	6.1	1.8	5		06/25/19 10:04	75-27-4	
Bromoform	**<19.9**	ug/L	66.2	19.9	5		06/25/19 10:04	75-25-2	
Bromomethane	**<4.9**	ug/L	25.0	4.9	5		06/25/19 10:04	74-83-9	
Carbon tetrachloride	**<0.83**	ug/L	5.0	0.83	5		06/25/19 10:04	56-23-5	
Chlorobenzene	**<3.6**	ug/L	11.8	3.6	5		06/25/19 10:04	108-90-7	
Chloroethane	**<6.7**	ug/L	25.0	6.7	5		06/25/19 10:04	75-00-3	
Chloroform	**<6.4**	ug/L	25.0	6.4	5		06/25/19 10:04	67-66-3	
Chloromethane	**<10.9**	ug/L	36.5	10.9	5		06/25/19 10:04	74-87-3	
Dibromochloromethane	**<13.0**	ug/L	43.4	13.0	5		06/25/19 10:04	124-48-1	
Dibromomethane	**<4.7**	ug/L	15.6	4.7	5		06/25/19 10:04	74-95-3	
Dichlorodifluoromethane	**<2.5**	ug/L	25.0	2.5	5		06/25/19 10:04	75-71-8	
Diisopropyl ether	**<9.4**	ug/L	31.5	9.4	5		06/25/19 10:04	108-20-3	
Ethylbenzene	**<1.1**	ug/L	5.0	1.1	5		06/25/19 10:04	100-41-4	
Hexachloro-1,3-butadiene	**<5.9**	ug/L	25.0	5.9	5		06/25/19 10:04	87-68-3	
Isopropylbenzene (Cumene)	**<2.0**	ug/L	25.0	2.0	5		06/25/19 10:04	98-82-8	
Methyl-tert-butyl ether	**<6.2**	ug/L	20.8	6.2	5		06/25/19 10:04	1634-04-4	
Methylene Chloride	**<2.9**	ug/L	25.0	2.9	5		06/25/19 10:04	75-09-2	
Naphthalene	**<5.9**	ug/L	25.0	5.9	5		06/25/19 10:04	91-20-3	
Styrene	**<2.3**	ug/L	7.8	2.3	5		06/25/19 10:04	100-42-5	
Tetrachloroethene	**2.7J**	ug/L	5.4	1.6	5		06/25/19 10:04	127-18-4	
Toluene	**<0.86**	ug/L	25.0	0.86	5		06/25/19 10:04	108-88-3	
Trichloroethene	**288**	ug/L	5.0	1.3	5		06/25/19 10:04	79-01-6	
Trichlorofluoromethane	**<1.1**	ug/L	5.0	1.1	5		06/25/19 10:04	75-69-4	
Vinyl chloride	**<0.87**	ug/L	5.0	0.87	5		06/25/19 10:04	75-01-4	
cis-1,2-Dichloroethene	**45.0**	ug/L	5.0	1.4	5		06/25/19 10:04	156-59-2	
cis-1,3-Dichloropropene	**<18.1**	ug/L	60.5	18.1	5		06/25/19 10:04	10061-01-5	
m&p-Xylene	**<2.3**	ug/L	10.0	2.3	5		06/25/19 10:04	179601-23-1	
n-Butylbenzene	**<3.5**	ug/L	11.8	3.5	5		06/25/19 10:04	104-51-8	
n-Propylbenzene	**<4.1**	ug/L	25.0	4.1	5		06/25/19 10:04	103-65-1	
o-Xylene	**<1.3**	ug/L	5.0	1.3	5		06/25/19 10:04	95-47-6	
p-Isopropyltoluene	**<4.0**	ug/L	13.3	4.0	5		06/25/19 10:04	99-87-6	
sec-Butylbenzene	**<4.2**	ug/L	25.0	4.2	5		06/25/19 10:04	135-98-8	
tert-Butylbenzene	**<1.5**	ug/L	5.1	1.5	5		06/25/19 10:04	98-06-6	
trans-1,2-Dichloroethene	**5.7J**	ug/L	18.2	5.5	5		06/25/19 10:04	156-60-5	
trans-1,3-Dichloropropene	**<21.9**	ug/L	72.8	21.9	5		06/25/19 10:04	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		5		06/25/19 10:04	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		5		06/25/19 10:04	1868-53-7	
Toluene-d8 (S)	101	%	70-130		5		06/25/19 10:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: OP-15 **Lab ID: 40189917017** Collected: 06/20/19 13:46 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.67**	ug/L	2.5	0.67	2.5		06/25/19 10:25	630-20-6	
1,1,1-Trichloroethane	**62.1**	ug/L	2.5	0.61	2.5		06/25/19 10:25	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.69**	ug/L	2.5	0.69	2.5		06/25/19 10:25	79-34-5	
1,1,2-Trichloroethane	**<1.4**	ug/L	12.5	1.4	2.5		06/25/19 10:25	79-00-5	
1,1-Dichloroethane	**6.6**	ug/L	2.5	0.68	2.5		06/25/19 10:25	75-34-3	
1,1-Dichloroethene	**1.9J**	ug/L	2.5	0.61	2.5		06/25/19 10:25	75-35-4	
1,1-Dichloropropene	**<1.4**	ug/L	4.5	1.4	2.5		06/25/19 10:25	563-58-6	
1,2,3-Trichlorobenzene	**<1.6**	ug/L	12.5	1.6	2.5		06/25/19 10:25	87-61-6	
1,2,3-Trichloropropane	**<1.5**	ug/L	12.5	1.5	2.5		06/25/19 10:25	96-18-4	
1,2,4-Trichlorobenzene	**<2.4**	ug/L	12.5	2.4	2.5		06/25/19 10:25	120-82-1	
1,2,4-Trimethylbenzene	**<2.1**	ug/L	7.0	2.1	2.5		06/25/19 10:25	95-63-6	
1,2-Dibromo-3-chloropropane	**<4.4**	ug/L	14.7	4.4	2.5		06/25/19 10:25	96-12-8	
1,2-Dibromoethane (EDB)	**<2.1**	ug/L	6.9	2.1	2.5		06/25/19 10:25	106-93-4	
1,2-Dichlorobenzene	**<1.8**	ug/L	5.9	1.8	2.5		06/25/19 10:25	95-50-1	
1,2-Dichloroethane	**<0.70**	ug/L	2.5	0.70	2.5		06/25/19 10:25	107-06-2	
1,2-Dichloropropane	**<0.71**	ug/L	2.5	0.71	2.5		06/25/19 10:25	78-87-5	
1,3,5-Trimethylbenzene	**<2.2**	ug/L	7.3	2.2	2.5		06/25/19 10:25	108-67-8	
1,3-Dichlorobenzene	**<1.6**	ug/L	5.2	1.6	2.5		06/25/19 10:25	541-73-1	
1,3-Dichloropropane	**<2.1**	ug/L	6.9	2.1	2.5		06/25/19 10:25	142-28-9	
1,4-Dichlorobenzene	**<2.4**	ug/L	7.9	2.4	2.5		06/25/19 10:25	106-46-7	
2,2-Dichloropropane	**<5.7**	ug/L	18.9	5.7	2.5		06/25/19 10:25	594-20-7	
2-Chlorotoluene	**<2.3**	ug/L	12.5	2.3	2.5		06/25/19 10:25	95-49-8	
4-Chlorotoluene	**<1.9**	ug/L	6.3	1.9	2.5		06/25/19 10:25	106-43-4	
Benzene	**<0.62**	ug/L	2.5	0.62	2.5		06/25/19 10:25	71-43-2	
Bromobenzene	**<0.60**	ug/L	2.5	0.60	2.5		06/25/19 10:25	108-86-1	
Bromochloromethane	**<0.91**	ug/L	12.5	0.91	2.5		06/25/19 10:25	74-97-5	
Bromodichloromethane	**<0.91**	ug/L	3.0	0.91	2.5		06/25/19 10:25	75-27-4	
Bromoform	**<9.9**	ug/L	33.1	9.9	2.5		06/25/19 10:25	75-25-2	
Bromomethane	**<2.4**	ug/L	12.5	2.4	2.5		06/25/19 10:25	74-83-9	
Carbon tetrachloride	**<0.41**	ug/L	2.5	0.41	2.5		06/25/19 10:25	56-23-5	
Chlorobenzene	**<1.8**	ug/L	5.9	1.8	2.5		06/25/19 10:25	108-90-7	
Chloroethane	**<3.4**	ug/L	12.5	3.4	2.5		06/25/19 10:25	75-00-3	
Chloroform	**<3.2**	ug/L	12.5	3.2	2.5		06/25/19 10:25	67-66-3	
Chloromethane	**<5.5**	ug/L	18.2	5.5	2.5		06/25/19 10:25	74-87-3	
Dibromochloromethane	**<6.5**	ug/L	21.7	6.5	2.5		06/25/19 10:25	124-48-1	
Dibromomethane	**<2.3**	ug/L	7.8	2.3	2.5		06/25/19 10:25	74-95-3	
Dichlorodifluoromethane	**<1.2**	ug/L	12.5	1.2	2.5		06/25/19 10:25	75-71-8	
Diisopropyl ether	**<4.7**	ug/L	15.7	4.7	2.5		06/25/19 10:25	108-20-3	
Ethylbenzene	**<0.55**	ug/L	2.5	0.55	2.5		06/25/19 10:25	100-41-4	
Hexachloro-1,3-butadiene	**<3.0**	ug/L	12.5	3.0	2.5		06/25/19 10:25	87-68-3	
Isopropylbenzene (Cumene)	**<0.98**	ug/L	12.5	0.98	2.5		06/25/19 10:25	98-82-8	
Methyl-tert-butyl ether	**<3.1**	ug/L	10.4	3.1	2.5		06/25/19 10:25	1634-04-4	
Methylene Chloride	**<1.5**	ug/L	12.5	1.5	2.5		06/25/19 10:25	75-09-2	
Naphthalene	**<2.9**	ug/L	12.5	2.9	2.5		06/25/19 10:25	91-20-3	
Styrene	**<1.2**	ug/L	3.9	1.2	2.5		06/25/19 10:25	100-42-5	
Tetrachloroethene	**27.8**	ug/L	2.7	0.82	2.5		06/25/19 10:25	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: OP-15 **Lab ID: 40189917017** Collected: 06/20/19 13:46 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.43**	ug/L	12.5	0.43	2.5		06/25/19 10:25	108-88-3	
Trichloroethene	**282**	ug/L	2.5	0.64	2.5		06/25/19 10:25	79-01-6	
Trichlorofluoromethane	**<0.54**	ug/L	2.5	0.54	2.5		06/25/19 10:25	75-69-4	
Vinyl chloride	**0.48J**	ug/L	2.5	0.44	2.5		06/25/19 10:25	75-01-4	
cis-1,2-Dichloroethene	**94.0**	ug/L	2.5	0.68	2.5		06/25/19 10:25	156-59-2	
cis-1,3-Dichloropropene	**<9.1**	ug/L	30.2	9.1	2.5		06/25/19 10:25	10061-01-5	
m&p-Xylene	**<1.2**	ug/L	5.0	1.2	2.5		06/25/19 10:25	179601-23-1	
n-Butylbenzene	**<1.8**	ug/L	5.9	1.8	2.5		06/25/19 10:25	104-51-8	
n-Propylbenzene	**<2.0**	ug/L	12.5	2.0	2.5		06/25/19 10:25	103-65-1	
o-Xylene	**<0.65**	ug/L	2.5	0.65	2.5		06/25/19 10:25	95-47-6	
p-Isopropyltoluene	**<2.0**	ug/L	6.7	2.0	2.5		06/25/19 10:25	99-87-6	
sec-Butylbenzene	**<2.1**	ug/L	12.5	2.1	2.5		06/25/19 10:25	135-98-8	
tert-Butylbenzene	**<0.76**	ug/L	2.5	0.76	2.5		06/25/19 10:25	98-06-6	
trans-1,2-Dichloroethene	**<2.7**	ug/L	9.1	2.7	2.5		06/25/19 10:25	156-60-5	
trans-1,3-Dichloropropene	**<10.9**	ug/L	36.4	10.9	2.5		06/25/19 10:25	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		2.5		06/25/19 10:25	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		2.5		06/25/19 10:25	1868-53-7	
Toluene-d8 (S)	100	%	70-130		2.5		06/25/19 10:25	2037-26-5	

Sample: RW-19 **Lab ID: 40189917018** Collected: 06/20/19 14:33 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		06/24/19 23:59	630-20-6	
1,1,1-Trichloroethane	**36.3**	ug/L	10.0	2.4	10		06/24/19 23:59	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		06/24/19 23:59	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		06/24/19 23:59	79-00-5	
1,1-Dichloroethane	**11.5**	ug/L	10.0	2.7	10		06/24/19 23:59	75-34-3	
1,1-Dichloroethene	**3.3J**	ug/L	10.0	2.4	10		06/24/19 23:59	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		06/24/19 23:59	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		06/24/19 23:59	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		06/24/19 23:59	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		06/24/19 23:59	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		06/24/19 23:59	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		06/24/19 23:59	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		06/24/19 23:59	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		06/24/19 23:59	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		06/24/19 23:59	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		06/24/19 23:59	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		06/24/19 23:59	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		06/24/19 23:59	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		06/24/19 23:59	142-28-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: RW-19 **Lab ID: 40189917018** Collected: 06/20/19 14:33 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		06/24/19 23:59	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		06/24/19 23:59	594-20-7	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		06/24/19 23:59	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		06/24/19 23:59	106-43-4	
Benzene	**<2.5**	ug/L	10.0	2.5	10		06/24/19 23:59	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		06/24/19 23:59	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		06/24/19 23:59	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		06/24/19 23:59	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		06/24/19 23:59	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		06/24/19 23:59	74-83-9	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		06/24/19 23:59	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		06/24/19 23:59	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		06/24/19 23:59	75-00-3	
Chloroform	**30.0J**	ug/L	50.0	12.7	10		06/24/19 23:59	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		06/24/19 23:59	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		06/24/19 23:59	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		06/24/19 23:59	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		06/24/19 23:59	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		06/24/19 23:59	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		06/24/19 23:59	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		06/24/19 23:59	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		06/24/19 23:59	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/24/19 23:59	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		06/24/19 23:59	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		06/24/19 23:59	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		06/24/19 23:59	100-42-5	
Tetrachloroethene	**7.4J**	ug/L	10.9	3.3	10		06/24/19 23:59	127-18-4	
Toluene	**<1.7**	ug/L	50.0	1.7	10		06/24/19 23:59	108-88-3	
Trichloroethene	**996**	ug/L	10.0	2.6	10		06/24/19 23:59	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		06/24/19 23:59	75-69-4	
Vinyl chloride	**8.0J**	ug/L	10.0	1.7	10		06/24/19 23:59	75-01-4	
cis-1,2-Dichloroethene	**280**	ug/L	10.0	2.7	10		06/24/19 23:59	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		06/24/19 23:59	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		06/24/19 23:59	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		06/24/19 23:59	104-51-8	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		06/24/19 23:59	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		06/24/19 23:59	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		06/24/19 23:59	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		06/24/19 23:59	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		06/24/19 23:59	98-06-6	
trans-1,2-Dichloroethene	**19.8J**	ug/L	36.4	10.9	10		06/24/19 23:59	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		06/24/19 23:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		10		06/24/19 23:59	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		10		06/24/19 23:59	1868-53-7	
Toluene-d8 (S)	101	%	70-130		10		06/24/19 23:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: OP-16 **Lab ID: 40189917019** Collected: 06/20/19 15:47 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.54**	ug/L	2.0	0.54	2		06/25/19 10:47	630-20-6	
1,1,1-Trichloroethane	**7.0**	ug/L	2.0	0.49	2		06/25/19 10:47	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.55**	ug/L	2.0	0.55	2		06/25/19 10:47	79-34-5	
1,1,2-Trichloroethane	**<1.1**	ug/L	10.0	1.1	2		06/25/19 10:47	79-00-5	
1,1-Dichloroethane	**26.2**	ug/L	2.0	0.55	2		06/25/19 10:47	75-34-3	
1,1-Dichloroethene	**0.99J**	ug/L	2.0	0.49	2		06/25/19 10:47	75-35-4	
1,1-Dichloropropene	**<1.1**	ug/L	3.6	1.1	2		06/25/19 10:47	563-58-6	
1,2,3-Trichlorobenzene	**<1.3**	ug/L	10.0	1.3	2		06/25/19 10:47	87-61-6	
1,2,3-Trichloropropane	**<1.2**	ug/L	10.0	1.2	2		06/25/19 10:47	96-18-4	
1,2,4-Trichlorobenzene	**<1.9**	ug/L	10.0	1.9	2		06/25/19 10:47	120-82-1	
1,2,4-Trimethylbenzene	**<1.7**	ug/L	5.6	1.7	2		06/25/19 10:47	95-63-6	
1,2-Dibromo-3-chloropropane	**<3.5**	ug/L	11.8	3.5	2		06/25/19 10:47	96-12-8	
1,2-Dibromoethane (EDB)	**<1.7**	ug/L	5.5	1.7	2		06/25/19 10:47	106-93-4	
1,2-Dichlorobenzene	**<1.4**	ug/L	4.7	1.4	2		06/25/19 10:47	95-50-1	
1,2-Dichloroethane	**<0.56**	ug/L	2.0	0.56	2		06/25/19 10:47	107-06-2	
1,2-Dichloropropane	**<0.57**	ug/L	2.0	0.57	2		06/25/19 10:47	78-87-5	
1,3,5-Trimethylbenzene	**<1.7**	ug/L	5.8	1.7	2		06/25/19 10:47	108-67-8	
1,3-Dichlorobenzene	**<1.3**	ug/L	4.2	1.3	2		06/25/19 10:47	541-73-1	
1,3-Dichloropropane	**<1.7**	ug/L	5.5	1.7	2		06/25/19 10:47	142-28-9	
1,4-Dichlorobenzene	**<1.9**	ug/L	6.3	1.9	2		06/25/19 10:47	106-46-7	
2,2-Dichloropropane	**<4.5**	ug/L	15.1	4.5	2		06/25/19 10:47	594-20-7	
2-Chlorotoluene	**<1.9**	ug/L	10.0	1.9	2		06/25/19 10:47	95-49-8	
4-Chlorotoluene	**<1.5**	ug/L	5.0	1.5	2		06/25/19 10:47	106-43-4	
Benzene	**<0.49**	ug/L	2.0	0.49	2		06/25/19 10:47	71-43-2	
Bromobenzene	**<0.48**	ug/L	2.0	0.48	2		06/25/19 10:47	108-86-1	
Bromochloromethane	**<0.72**	ug/L	10.0	0.72	2		06/25/19 10:47	74-97-5	
Bromodichloromethane	**<0.73**	ug/L	2.4	0.73	2		06/25/19 10:47	75-27-4	
Bromoform	**<7.9**	ug/L	26.5	7.9	2		06/25/19 10:47	75-25-2	
Bromomethane	**<1.9**	ug/L	10.0	1.9	2		06/25/19 10:47	74-83-9	
Carbon tetrachloride	**<0.33**	ug/L	2.0	0.33	2		06/25/19 10:47	56-23-5	
Chlorobenzene	**<1.4**	ug/L	4.7	1.4	2		06/25/19 10:47	108-90-7	
Chloroethane	**<2.7**	ug/L	10.0	2.7	2		06/25/19 10:47	75-00-3	
Chloroform	**<2.5**	ug/L	10.0	2.5	2		06/25/19 10:47	67-66-3	
Chloromethane	**<4.4**	ug/L	14.6	4.4	2		06/25/19 10:47	74-87-3	
Dibromochloromethane	**<5.2**	ug/L	17.3	5.2	2		06/25/19 10:47	124-48-1	
Dibromomethane	**<1.9**	ug/L	6.2	1.9	2		06/25/19 10:47	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	10.0	1.0	2		06/25/19 10:47	75-71-8	
Diisopropyl ether	**<3.8**	ug/L	12.6	3.8	2		06/25/19 10:47	108-20-3	
Ethylbenzene	**<0.44**	ug/L	2.0	0.44	2		06/25/19 10:47	100-41-4	
Hexachloro-1,3-butadiene	**<2.4**	ug/L	10.0	2.4	2		06/25/19 10:47	87-68-3	
Isopropylbenzene (Cumene)	**1.1J**	ug/L	10.0	0.79	2		06/25/19 10:47	98-82-8	
Methyl-tert-butyl ether	**<2.5**	ug/L	8.3	2.5	2		06/25/19 10:47	1634-04-4	
Methylene Chloride	**<1.2**	ug/L	10.0	1.2	2		06/25/19 10:47	75-09-2	
Naphthalene	**<2.4**	ug/L	10.0	2.4	2		06/25/19 10:47	91-20-3	
Styrene	**<0.93**	ug/L	3.1	0.93	2		06/25/19 10:47	100-42-5	
Tetrachloroethene	**<0.65**	ug/L	2.2	0.65	2		06/25/19 10:47	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: OP-16 **Lab ID: 40189917019** Collected: 06/20/19 15:47 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.34**	ug/L	10.0	0.34	2		06/25/19 10:47	108-88-3	
Trichloroethene	**43.8**	ug/L	2.0	0.51	2		06/25/19 10:47	79-01-6	
Trichlorofluoromethane	**<0.43**	ug/L	2.0	0.43	2		06/25/19 10:47	75-69-4	
Vinyl chloride	**106**	ug/L	2.0	0.35	2		06/25/19 10:47	75-01-4	
cis-1,2-Dichloroethene	**145**	ug/L	2.0	0.54	2		06/25/19 10:47	156-59-2	
cis-1,3-Dichloropropene	**<7.3**	ug/L	24.2	7.3	2		06/25/19 10:47	10061-01-5	
m&p-Xylene	**<0.93**	ug/L	4.0	0.93	2		06/25/19 10:47	179601-23-1	
n-Butylbenzene	**<1.4**	ug/L	4.7	1.4	2		06/25/19 10:47	104-51-8	
n-Propylbenzene	**<1.6**	ug/L	10.0	1.6	2		06/25/19 10:47	103-65-1	
o-Xylene	**1.2J**	ug/L	2.0	0.52	2		06/25/19 10:47	95-47-6	
p-Isopropyltoluene	**<1.6**	ug/L	5.3	1.6	2		06/25/19 10:47	99-87-6	
sec-Butylbenzene	**1.9J**	ug/L	10.0	1.7	2		06/25/19 10:47	135-98-8	
tert-Butylbenzene	**<0.61**	ug/L	2.0	0.61	2		06/25/19 10:47	98-06-6	
trans-1,2-Dichloroethene	**<2.2**	ug/L	7.3	2.2	2		06/25/19 10:47	156-60-5	
trans-1,3-Dichloropropene	**<8.7**	ug/L	29.1	8.7	2		06/25/19 10:47	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		2		06/25/19 10:47	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		2		06/25/19 10:47	1868-53-7	
Toluene-d8 (S)	103	%	70-130		2		06/25/19 10:47	2037-26-5	

Sample: DUP 4 **Lab ID: 40189917020** Collected: 06/20/19 00:00 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		06/25/19 00:42	630-20-6	
1,1,1-Trichloroethane	**35.1**	ug/L	10.0	2.4	10		06/25/19 00:42	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		06/25/19 00:42	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		06/25/19 00:42	79-00-5	
1,1-Dichloroethane	**12.7**	ug/L	10.0	2.7	10		06/25/19 00:42	75-34-3	
1,1-Dichloroethene	**3.6J**	ug/L	10.0	2.4	10		06/25/19 00:42	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		06/25/19 00:42	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		06/25/19 00:42	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		06/25/19 00:42	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		06/25/19 00:42	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		06/25/19 00:42	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		06/25/19 00:42	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		06/25/19 00:42	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		06/25/19 00:42	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		06/25/19 00:42	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		06/25/19 00:42	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		06/25/19 00:42	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		06/25/19 00:42	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		06/25/19 00:42	142-28-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Sample: DUP 4 **Lab ID: 40189917020** Collected: 06/20/19 00:00 Received: 06/21/19 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		06/25/19 00:42	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		06/25/19 00:42	594-20-7	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		06/25/19 00:42	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		06/25/19 00:42	106-43-4	
Benzene	**<2.5**	ug/L	10.0	2.5	10		06/25/19 00:42	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		06/25/19 00:42	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		06/25/19 00:42	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		06/25/19 00:42	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		06/25/19 00:42	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		06/25/19 00:42	74-83-9	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		06/25/19 00:42	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		06/25/19 00:42	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		06/25/19 00:42	75-00-3	
Chloroform	**29.2J**	ug/L	50.0	12.7	10		06/25/19 00:42	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		06/25/19 00:42	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		06/25/19 00:42	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		06/25/19 00:42	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		06/25/19 00:42	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		06/25/19 00:42	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		06/25/19 00:42	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		06/25/19 00:42	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		06/25/19 00:42	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/25/19 00:42	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		06/25/19 00:42	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		06/25/19 00:42	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		06/25/19 00:42	100-42-5	
Tetrachloroethene	**7.9J**	ug/L	10.9	3.3	10		06/25/19 00:42	127-18-4	
Toluene	**<1.7**	ug/L	50.0	1.7	10		06/25/19 00:42	108-88-3	
Trichloroethene	**960**	ug/L	10.0	2.6	10		06/25/19 00:42	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		06/25/19 00:42	75-69-4	
Vinyl chloride	**7.5J**	ug/L	10.0	1.7	10		06/25/19 00:42	75-01-4	
cis-1,2-Dichloroethene	**270**	ug/L	10.0	2.7	10		06/25/19 00:42	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		06/25/19 00:42	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		06/25/19 00:42	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		06/25/19 00:42	104-51-8	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		06/25/19 00:42	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		06/25/19 00:42	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		06/25/19 00:42	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		06/25/19 00:42	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		06/25/19 00:42	98-06-6	
trans-1,2-Dichloroethene	**18.5J**	ug/L	36.4	10.9	10		06/25/19 00:42	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		06/25/19 00:42	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		10		06/25/19 00:42	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		10		06/25/19 00:42	1868-53-7	
Toluene-d8 (S)	102	%	70-130		10		06/25/19 00:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

QC Batch: 325333 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40189917001, 40189917002, 40189917003, 40189917004, 40189917005, 40189917006, 40189917007, 40189917008, 40189917009, 40189917010, 40189917011, 40189917012, 40189917013, 40189917014, 40189917015, 40189917016, 40189917017, 40189917018, 40189917019, 40189917020

METHOD BLANK: 1889426 Matrix: Water
Associated Lab Samples: 40189917001, 40189917002, 40189917003, 40189917004, 40189917005, 40189917006, 40189917007, 40189917008, 40189917009, 40189917010, 40189917011, 40189917012, 40189917013, 40189917014, 40189917015, 40189917016, 40189917017, 40189917018, 40189917019, 40189917020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	06/24/19 16:06	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	06/24/19 16:06	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	06/24/19 16:06	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	06/24/19 16:06	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/24/19 16:06	
1,1-Dichloroethene	ug/L	<0.24	1.0	06/24/19 16:06	
1,1-Dichloropropene	ug/L	<0.54	1.8	06/24/19 16:06	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	06/24/19 16:06	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	06/24/19 16:06	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	06/24/19 16:06	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	06/24/19 16:06	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	06/24/19 16:06	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	06/24/19 16:06	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	06/24/19 16:06	
1,2-Dichloroethane	ug/L	<0.28	1.0	06/24/19 16:06	
1,2-Dichloropropane	ug/L	<0.28	1.0	06/24/19 16:06	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	06/24/19 16:06	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	06/24/19 16:06	
1,3-Dichloropropane	ug/L	<0.83	2.8	06/24/19 16:06	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	06/24/19 16:06	
2,2-Dichloropropane	ug/L	<2.3	7.6	06/24/19 16:06	
2-Chlorotoluene	ug/L	<0.93	5.0	06/24/19 16:06	
4-Chlorotoluene	ug/L	<0.76	2.5	06/24/19 16:06	
Benzene	ug/L	<0.25	1.0	06/24/19 16:06	
Bromobenzene	ug/L	<0.24	1.0	06/24/19 16:06	
Bromochloromethane	ug/L	<0.36	5.0	06/24/19 16:06	
Bromodichloromethane	ug/L	<0.36	1.2	06/24/19 16:06	
Bromoform	ug/L	<4.0	13.2	06/24/19 16:06	
Bromomethane	ug/L	<0.97	5.0	06/24/19 16:06	
Carbon tetrachloride	ug/L	<0.17	1.0	06/24/19 16:06	
Chlorobenzene	ug/L	<0.71	2.4	06/24/19 16:06	
Chloroethane	ug/L	<1.3	5.0	06/24/19 16:06	
Chloroform	ug/L	<1.3	5.0	06/24/19 16:06	
Chloromethane	ug/L	<2.2	7.3	06/24/19 16:06	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	06/24/19 16:06	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	06/24/19 16:06	
Dibromochloromethane	ug/L	<2.6	8.7	06/24/19 16:06	
Dibromomethane	ug/L	<0.94	3.1	06/24/19 16:06	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

METHOD BLANK: 1889426 Matrix: Water

Associated Lab Samples: 40189917001, 40189917002, 40189917003, 40189917004, 40189917005, 40189917006, 40189917007, 40189917008, 40189917009, 40189917010, 40189917011, 40189917012, 40189917013, 40189917014, 40189917015, 40189917016, 40189917017, 40189917018, 40189917019, 40189917020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	<0.50	5.0	06/24/19 16:06	
Diisopropyl ether	ug/L	<1.9	6.3	06/24/19 16:06	
Ethylbenzene	ug/L	<0.22	1.0	06/24/19 16:06	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	06/24/19 16:06	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	06/24/19 16:06	
m&p-Xylene	ug/L	<0.47	2.0	06/24/19 16:06	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	06/24/19 16:06	
Methylene Chloride	ug/L	<0.58	5.0	06/24/19 16:06	
n-Butylbenzene	ug/L	<0.71	2.4	06/24/19 16:06	
n-Propylbenzene	ug/L	<0.81	5.0	06/24/19 16:06	
Naphthalene	ug/L	<1.2	5.0	06/24/19 16:06	
o-Xylene	ug/L	<0.26	1.0	06/24/19 16:06	
p-Isopropyltoluene	ug/L	<0.80	2.7	06/24/19 16:06	
sec-Butylbenzene	ug/L	<0.85	5.0	06/24/19 16:06	
Styrene	ug/L	<0.47	1.6	06/24/19 16:06	
tert-Butylbenzene	ug/L	<0.30	1.0	06/24/19 16:06	
Tetrachloroethene	ug/L	<0.33	1.1	06/24/19 16:06	
Toluene	ug/L	<0.17	5.0	06/24/19 16:06	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	06/24/19 16:06	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	06/24/19 16:06	
Trichloroethene	ug/L	<0.26	1.0	06/24/19 16:06	
Trichlorofluoromethane	ug/L	<0.21	1.0	06/24/19 16:06	
Vinyl chloride	ug/L	<0.17	1.0	06/24/19 16:06	
4-Bromofluorobenzene (S)	%	97	70-130	06/24/19 16:06	
Dibromofluoromethane (S)	%	102	70-130	06/24/19 16:06	
Toluene-d8 (S)	%	102	70-130	06/24/19 16:06	

LABORATORY CONTROL SAMPLE: 1889427

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.1	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.3	103	70-130	
1,1,2-Trichloroethane	ug/L	50	49.2	98	70-130	
1,1-Dichloroethane	ug/L	50	53.8	108	73-150	
1,1-Dichloroethene	ug/L	50	54.5	109	73-138	
1,2,4-Trichlorobenzene	ug/L	50	50.5	101	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.1	96	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	48.3	97	70-130	
1,2-Dichlorobenzene	ug/L	50	50.6	101	70-130	
1,2-Dichloroethane	ug/L	50	52.0	104	75-140	
1,2-Dichloropropane	ug/L	50	47.6	95	73-135	
1,3-Dichlorobenzene	ug/L	50	50.9	102	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

LABORATORY CONTROL SAMPLE: 1889427

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	49.5	99	70-130	
Benzene	ug/L	50	52.4	105	70-130	
Bromodichloromethane	ug/L	50	48.7	97	70-130	
Bromoform	ug/L	50	41.5	83	68-129	
Bromomethane	ug/L	50	48.5	97	18-159	
Carbon tetrachloride	ug/L	50	47.6	95	70-130	
Chlorobenzene	ug/L	50	49.9	100	70-130	
Chloroethane	ug/L	50	47.0	94	53-147	
Chloroform	ug/L	50	49.1	98	74-136	
Chloromethane	ug/L	50	47.4	95	29-115	
cis-1,2-Dichloroethene	ug/L	50	50.6	101	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.5	99	70-130	
Dibromochloromethane	ug/L	50	51.5	103	70-130	
Dichlorodifluoromethane	ug/L	50	42.0	84	10-130	
Ethylbenzene	ug/L	50	52.0	104	80-124	
Isopropylbenzene (Cumene)	ug/L	50	53.4	107	70-130	
m&p-Xylene	ug/L	100	105	105	70-130	
Methyl-tert-butyl ether	ug/L	50	50.1	100	54-137	
Methylene Chloride	ug/L	50	51.6	103	73-138	
o-Xylene	ug/L	50	50.2	100	70-130	
Styrene	ug/L	50	51.4	103	70-130	
Tetrachloroethene	ug/L	50	49.6	99	70-130	
Toluene	ug/L	50	50.6	101	80-126	
trans-1,2-Dichloroethene	ug/L	50	53.9	108	73-145	
trans-1,3-Dichloropropene	ug/L	50	46.2	92	70-130	
Trichloroethene	ug/L	50	49.7	99	70-130	
Trichlorofluoromethane	ug/L	50	56.4	113	76-147	
Vinyl chloride	ug/L	50	51.4	103	51-120	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			105	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1889996 1889997

Parameter	Units	40189917003 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	1.5	50	50	52.2	51.0	102	99	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	50.3	49.3	101	99	70-130	2	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	47.2	47.8	94	96	70-137	1	20	
1,1-Dichloroethane	ug/L	2.1	50	50	53.9	52.8	104	101	73-153	2	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	53.0	51.6	106	103	73-138	3	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	49.1	48.7	98	97	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	47.6	46.8	95	94	58-129	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	47.2	47.4	94	95	70-130	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1889996 1889997

Parameter	Units	40189917003 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	<0.71	50	50	49.2	48.5	98	97	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	50.4	47.8	101	96	75-140	5	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	47.2	47.4	94	95	71-138	0	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	50.3	49.5	101	99	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	48.1	47.8	96	96	70-130	1	20	
Benzene	ug/L	<0.25	50	50	50.4	48.9	101	98	70-130	3	20	
Bromodichloromethane	ug/L	<0.36	50	50	47.3	47.0	95	94	70-130	1	20	
Bromoform	ug/L	<4.0	50	50	41.1	40.6	82	81	68-129	1	20	
Bromomethane	ug/L	<0.97	50	50	49.1	49.5	98	99	15-170	1	20	
Carbon tetrachloride	ug/L	<0.17	50	50	45.8	44.3	92	89	70-130	3	20	
Chlorobenzene	ug/L	<0.71	50	50	48.3	48.2	97	96	70-130	0	20	
Chloroethane	ug/L	<1.3	50	50	47.9	45.3	96	91	51-148	6	20	
Chloroform	ug/L	<1.3	50	50	47.8	46.0	96	92	74-136	4	20	
Chloromethane	ug/L	<2.2	50	50	45.8	44.9	91	89	23-115	2	20	
cis-1,2-Dichloroethene	ug/L	33.8	50	50	84.8	80.3	102	93	70-131	6	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	48.9	47.8	98	96	70-130	2	20	
Dibromochloromethane	ug/L	<2.6	50	50	50.0	49.8	100	100	70-130	0	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	40.6	39.2	81	78	10-132	3	20	
Ethylbenzene	ug/L	<0.22	50	50	50.1	50.7	100	101	80-125	1	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	51.7	51.2	103	102	70-130	1	20	
m&p-Xylene	ug/L	<0.47	100	100	100	101	100	101	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	48.9	47.7	98	95	51-145	2	20	
Methylene Chloride	ug/L	<0.58	50	50	50.9	49.3	102	99	73-140	3	20	
o-Xylene	ug/L	<0.26	50	50	49.2	48.6	98	97	70-130	1	20	
Styrene	ug/L	<0.47	50	50	50.6	49.4	101	99	70-130	2	20	
Tetrachloroethene	ug/L	0.81J	50	50	48.3	48.0	95	94	70-130	1	20	
Toluene	ug/L	<0.17	50	50	49.5	48.7	99	97	80-131	2	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	53.0	50.8	105	101	73-148	4	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	44.7	43.8	89	88	70-130	2	20	
Trichloroethene	ug/L	4.1	50	50	52.7	52.5	97	97	70-130	0	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	54.3	52.4	109	105	74-147	3	20	
Vinyl chloride	ug/L	8.4	50	50	58.7	57.0	101	97	41-129	3	20	
4-Bromofluorobenzene (S)	%						101	102	70-130			
Dibromofluoromethane (S)	%						103	102	70-130			
Toluene-d8 (S)	%						101	101	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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189917

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40189917001	**RW-13**	EPA 8260	325333		
40189917002	**RW-12**	EPA 8260	325333		
40189917003	**RW-11**	EPA 8260	325333		
40189917004	**OP-10**	EPA 8260	325333		
40189917005	**RW-10**	EPA 8260	325333		
40189917006	**RW-28**	EPA 8260	325333		
40189917007	**OP-8**	EPA 8260	325333		
40189917008	**RW-7**	EPA 8260	325333		
40189917009	**RW-27**	EPA 8260	325333		
40189917010	**OP-7**	EPA 8260	325333		
40189917011	**DUP-5**	EPA 8260	325333		
40189917012	**TRIP-1**	EPA 8260	325333		
40189917013	**RW-16**	EPA 8260	325333		
40189917014	**OP-14**	EPA 8260	325333		
40189917015	**RW-17**	EPA 8260	325333		
40189917016	**RW-18**	EPA 8260	325333		
40189917017	**OP-15**	EPA 8260	325333		
40189917018	**RW-19**	EPA 8260	325333		
40189917019	**OP-16**	EPA 8260	325333		
40189917020	**DUP 4**	EPA 8260	325333		

40189917

(Please Print Clearly)

Company Name:	GZA GeoEnvironmental
Branch/Location:	Waukesha
Project Contact:	Kevin Hedinger
Phone:	262-424-1761
Project Number:	20.0155951.01
Project Name:	Trent Tube
Project State:	WI
Sampled By (Print):	Alex Amundson
Sampled By (Sign):	A. Am
PO #:	
Regulatory Program:	

Pace Analytical®
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	SAME
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

FILTERED? (YES/NO) — Y/N: N
PRESERVATION (CODE)* — Pick Letter: B
Analyses Requested: VOCs

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOCs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	RW-13	6/20/19	0921	GW	X			
002	RW-12	↓	1003	GW	X			
003	RW-11		1037	GW	X			
004	OP-10		1124	GW	X			
005	RW-10		1155	GW	X			
006	RW-28		1223	GW	X			
007	OP-8		1316	GW	X			
008	RW-7		1352	GW	X			
009	RW-27		1424	GW	X			
010	OP-7		1501	GW	X			
011	DUP-5		—	GW	X			
012	Trip-1			W				

AHA

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
A. Am	6/20/19 1700		
FedEx	6/21/19 1020	[signature]	6/21/19 1020

PACE Project No. 40189917

Receipt Temp = RT °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Pace Analytical®
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

4018491 7

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	GZA GeoEnvironmental
Branch/Location:	Waukesha
Project Contact:	Kevin Hedmer
Phone:	262-434-1671
Project Number:	20.0155935.01
Project Name:	Trent Tube
Project State:	WI
Sampled By (Print):	Alex Amundson
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	SAME
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOCs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
013	RW-16	6/20	0938	GW		N / B	X			
014	OP-14		1104							
015	RW-17		1204							
016	RW-18		1252							
017	OP-15		1346							
018	RW-19		1433							
019	OP-16		1547							
020	Dup 4		—							
	N/A									

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	1700		
Relinquished By: Fedex	6/21/19 1020	Received By:	6/21/19 1020
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.: 4018491 7
Receipt Temp = 1.4 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: GZA Project # 40189917

All containers needing preservation have been checked and noted below: □Yes □No □N/A

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted): Initial when completed: Date/ Time:

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																																	2.5 / 5 / 10
002																																	2.5 / 5 / 10
003																																	2.5 / 5 / 10
004																											2						2.5 / 5 / 10
005																											1						2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																											1						2.5 / 5 / 10
009																																	2.5 / 5 / 10
010																																	2.5 / 5 / 10
011																																	2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020						2																											2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : □Yes □No □N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical™ 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: WO#: 40189917

Client Name: GZA

Courier: ☐ CS Logistics ☑ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☐ Pace Other:

Tracking #: 8148 6939 6199

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - NA **Type of Ice:** Wet Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 12.1 /Corr:

Temp Blank Present: ☑ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents: Date: 6/21/19 Initials:

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 423		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Date: 6/21/19

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

July 02, 2019

Kevin Hedinger
GZA
20900 Swenson Drive
Suite 150
Waukesha, WI 53186

RE: Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Dear Kevin Hedinger:
Enclosed are the analytical results for sample(s) received by the laboratory on June 22, 2019. 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,

Christopher Hyska

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40189978001	**RW-20**	Water	06/21/19 08:46	06/22/19 09:30
40189978002	**RW-21**	Water	06/21/19 10:07	06/22/19 09:30
40189978003	**OP-1**	Water	06/21/19 09:36	06/22/19 09:30
40189978004	**RW-01**	Water	06/21/19 10:52	06/22/19 09:30
40189978005	**OP-2**	Water	06/21/19 11:49	06/22/19 09:30
40189978006	**RW-22**	Water	06/21/19 12:34	06/22/19 09:30
40189978007	**RW-2**	Water	06/21/19 13:14	06/22/19 09:30
40189978008	**RW-23**	Water	06/21/19 13:58	06/22/19 09:30
40189978009	**RW-3**	Water	06/21/19 14:40	06/22/19 09:30
40189978010	**OP-3**	Water	06/21/19 15:25	06/22/19 09:30
40189978011	**RW-26**	Water	06/21/19 08:20	06/22/19 09:30
40189978012	**MW-6A**	Water	06/21/19 08:58	06/22/19 09:30
40189978013	**MW-6**	Water	06/21/19 09:38	06/22/19 09:30
40189978014	**RW-6**	Water	06/21/19 10:14	06/22/19 09:30
40189978015	**OP-4**	Water	06/21/19 10:53	06/22/19 09:30
40189978016	**RW-25**	Water	06/21/19 11:35	06/22/19 09:30
40189978017	**RW-5**	Water	06/21/19 12:24	06/22/19 09:30
40189978018	**DUP-6**	Water	06/21/19 00:00	06/22/19 09:30
40189978019	**OP-5**	Water	06/21/19 12:55	06/22/19 09:30
40189978020	**RW-4**	Water	06/21/19 14:02	06/22/19 09:30
40189978021	**RW-24**	Water	06/21/19 14:45	06/22/19 09:30
40189978022	**RW-8**	Water	06/21/19 13:27	06/22/19 09:30
40189978023	**TRIP**	Water	06/21/19 00:00	06/22/19 09:30

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40189978001	**RW-20**	EPA 8260	HNW	64	PASI-G
40189978002	**RW-21**	EPA 8260	HNW	64	PASI-G
40189978003	**OP-1**	EPA 8260	HNW	64	PASI-G
40189978004	**RW-01**	EPA 8260	HNW	64	PASI-G
40189978005	**OP-2**	EPA 8015B Modified	ALD	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
40189978006	**RW-22**	EPA 8260	HNW	64	PASI-G
40189978007	**RW-2**	EPA 8260	HNW	64	PASI-G
40189978008	**RW-23**	EPA 8260	HNW	64	PASI-G
40189978009	**RW-3**	EPA 8260	HNW	64	PASI-G
40189978010	**OP-3**	EPA 8015B Modified	ALD	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40189978011	**RW-26**	EPA 8260	HNW	64	PASI-G
40189978012	**MW-6A**	EPA 8260	HNW	64	PASI-G
40189978013	**MW-6**	EPA 8260	HNW	64	PASI-G
40189978014	**RW-6**	EPA 8260	HNW	64	PASI-G
40189978015	**OP-4**	EPA 8260	HNW	64	PASI-G
40189978016	**RW-25**	EPA 8260	HNW	64	PASI-G
40189978017	**RW-5**	EPA 8260	HNW	64	PASI-G
40189978018	**DUP-6**	EPA 8260	HNW	64	PASI-G
40189978019	**OP-5**	EPA 8260	LAP	64	PASI-G
40189978020	**RW-4**	EPA 8260	HNW	64	PASI-G
40189978021	**RW-24**	EPA 8260	HNW	64	PASI-G
40189978022	**RW-8**	EPA 8260	HNW	64	PASI-G
40189978023	**TRIP**	EPA 8260	HNW	64	PASI-G

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189978001	**RW-20**					
EPA 8260	1,1,1-Trichloroethane	34.1	ug/L	10.0	06/25/19 12:55	
EPA 8260	1,1-Dichloroethane	2.7J	ug/L	10.0	06/25/19 12:55	
EPA 8260	1,1-Dichloroethene	2.8J	ug/L	10.0	06/25/19 12:55	
EPA 8260	Trichloroethene	961	ug/L	10.0	06/25/19 12:55	
EPA 8260	Vinyl chloride	13.2	ug/L	10.0	06/25/19 12:55	
EPA 8260	cis-1,2-Dichloroethene	317	ug/L	10.0	06/25/19 12:55	
40189978002	**RW-21**					
EPA 8260	1,1,1-Trichloroethane	102	ug/L	5.0	06/26/19 23:19	
EPA 8260	1,1-Dichloroethane	11.8	ug/L	5.0	06/26/19 23:19	
EPA 8260	1,1-Dichloroethene	3.0J	ug/L	5.0	06/26/19 23:19	
EPA 8260	Trichloroethene	369	ug/L	5.0	06/26/19 23:19	
EPA 8260	Vinyl chloride	11.8	ug/L	5.0	06/26/19 23:19	
EPA 8260	cis-1,2-Dichloroethene	436	ug/L	5.0	06/26/19 23:19	
40189978003	**OP-1**					
EPA 8260	1,1,1-Trichloroethane	166	ug/L	10.0	06/25/19 13:38	
EPA 8260	1,1-Dichloroethane	18.9	ug/L	10.0	06/25/19 13:38	
EPA 8260	1,1-Dichloroethene	4.1J	ug/L	10.0	06/25/19 13:38	
EPA 8260	Trichloroethene	515	ug/L	10.0	06/25/19 13:38	
EPA 8260	cis-1,2-Dichloroethene	201	ug/L	10.0	06/25/19 13:38	
40189978004	**RW-01**					
EPA 8260	1,1,1-Trichloroethane	142	ug/L	1.0	06/26/19 22:56	
EPA 8260	1,1-Dichloroethane	9.8	ug/L	1.0	06/26/19 22:56	
EPA 8260	1,1-Dichloroethene	2.0	ug/L	1.0	06/26/19 22:56	
EPA 8260	Trichloroethene	39.8	ug/L	1.0	06/26/19 22:56	
EPA 8260	Vinyl chloride	0.63J	ug/L	1.0	06/26/19 22:56	
EPA 8260	cis-1,2-Dichloroethene	52.8	ug/L	1.0	06/26/19 22:56	
40189978005	**OP-2**					
EPA 8015B Modified	Ethane	1.7J	ug/L	5.6	07/02/19 10:21	
EPA 8015B Modified	Ethene	0.83J	ug/L	5.0	07/02/19 10:21	
EPA 6010	Iron, Dissolved	357	ug/L	118	06/25/19 23:22	
EPA 6010	Manganese, Dissolved	489	ug/L	5.0	06/25/19 23:22	
EPA 8260	1,1,1-Trichloroethane	485	ug/L	2.0	06/25/19 14:21	
EPA 8260	1,1-Dichloroethane	95.2	ug/L	2.0	06/25/19 14:21	
EPA 8260	1,1-Dichloroethene	3.9	ug/L	2.0	06/25/19 14:21	
EPA 8260	Trichloroethene	127	ug/L	2.0	06/25/19 14:21	
EPA 8260	Vinyl chloride	3.7	ug/L	2.0	06/25/19 14:21	
EPA 8260	cis-1,2-Dichloroethene	151	ug/L	2.0	06/25/19 14:21	
EPA 300.0	Sulfate	82.2	mg/L	15.0	06/25/19 02:41	
EPA 310.2	Alkalinity, Total as CaCO3	458	mg/L	47.0	06/27/19 08:31	
40189978006	**RW-22**					
EPA 8260	1,1,1-Trichloroethane	74.8	ug/L	10.0	06/25/19 14:42	
EPA 8260	1,1-Dichloroethane	19.5	ug/L	10.0	06/25/19 14:42	
EPA 8260	1,1-Dichloroethene	4.7J	ug/L	10.0	06/25/19 14:42	
EPA 8260	Trichloroethene	633	ug/L	10.0	06/25/19 14:42	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189978006	**RW-22**					
EPA 8260	cis-1,2-Dichloroethene	115	ug/L	10.0	06/25/19 14:42	
40189978007	**RW-2**					
EPA 8260	1,1,1-Trichloroethane	258	ug/L	10.0	06/25/19 15:04	
EPA 8260	1,1-Dichloroethane	24.0	ug/L	10.0	06/25/19 15:04	
EPA 8260	1,1-Dichloroethene	3.2J	ug/L	10.0	06/25/19 15:04	
EPA 8260	Trichloroethene	404	ug/L	10.0	06/25/19 15:04	
EPA 8260	Vinyl chloride	2.0J	ug/L	10.0	06/25/19 15:04	
EPA 8260	cis-1,2-Dichloroethene	149	ug/L	10.0	06/25/19 15:04	
40189978008	**RW-23**					
EPA 8260	1,1,1-Trichloroethane	347	ug/L	10.0	06/25/19 15:25	
EPA 8260	1,1-Dichloroethane	23.1	ug/L	10.0	06/25/19 15:25	
EPA 8260	1,1-Dichloroethene	10.4	ug/L	10.0	06/25/19 15:25	
EPA 8260	Trichloroethene	606	ug/L	10.0	06/25/19 15:25	
EPA 8260	cis-1,2-Dichloroethene	179	ug/L	10.0	06/25/19 15:25	
40189978009	**RW-3**					
EPA 8260	1,1,1-Trichloroethane	217	ug/L	100	06/26/19 23:41	
EPA 8260	1,1-Dichloroethane	42.9J	ug/L	100	06/26/19 23:41	
EPA 8260	Trichloroethene	350	ug/L	100	06/26/19 23:41	
EPA 8260	Vinyl chloride	176	ug/L	100	06/26/19 23:41	
EPA 8260	cis-1,2-Dichloroethene	7800	ug/L	100	06/26/19 23:41	
40189978010	**OP-3**					
EPA 8015B Modified	Ethane	0.96J	ug/L	5.6	07/02/19 10:28	
EPA 8015B Modified	Ethene	0.66J	ug/L	5.0	07/02/19 10:28	
EPA 6010	Manganese, Dissolved	71.7	ug/L	5.0	06/25/19 23:25	
EPA 8260	1,1,1-Trichloroethane	188	ug/L	1.0	06/25/19 12:34	
EPA 8260	1,1-Dichloroethane	58.5	ug/L	1.0	06/25/19 12:34	
EPA 8260	1,1-Dichloroethene	30.5	ug/L	1.0	06/25/19 12:34	
EPA 8260	Chloroethane	2.8J	ug/L	5.0	06/25/19 12:34	
EPA 8260	Tetrachloroethene	0.54J	ug/L	1.1	06/25/19 12:34	
EPA 8260	Trichloroethene	77.8	ug/L	1.0	06/25/19 12:34	
EPA 8260	Vinyl chloride	4.9	ug/L	1.0	06/25/19 12:34	
EPA 8260	cis-1,2-Dichloroethene	130	ug/L	1.0	06/25/19 12:34	
EPA 8260	trans-1,2-Dichloroethene	1.1J	ug/L	3.6	06/25/19 12:34	
EPA 300.0	Sulfate	38.6	mg/L	3.0	06/24/19 15:14	
EPA 310.2	Alkalinity, Total as CaCO3	371	mg/L	47.0	06/27/19 08:32	
SM 5310C	Total Organic Carbon	2.0	mg/L	0.84	07/01/19 08:04	
40189978011	**RW-26**					
EPA 8260	Trichloroethene	125	ug/L	10.0	06/27/19 00:04	
EPA 8260	Vinyl chloride	229	ug/L	10.0	06/27/19 00:04	
EPA 8260	cis-1,2-Dichloroethene	1400	ug/L	10.0	06/27/19 00:04	
40189978012	**MW-6A**					
EPA 8260	Tetrachloroethene	1.6	ug/L	1.1	06/27/19 09:48	

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189978013	**MW-6**					
EPA 8260	1,1-Dichloroethane	2.0J	ug/L	5.0	06/27/19 10:33	
EPA 8260	Trichloroethene	42.5	ug/L	5.0	06/27/19 10:33	
EPA 8260	Vinyl chloride	46.2	ug/L	5.0	06/27/19 10:33	
EPA 8260	cis-1,2-Dichloroethene	458	ug/L	5.0	06/27/19 10:33	
40189978014	**RW-6**					
EPA 8260	Trichloroethene	118	ug/L	10.0	06/27/19 01:11	
EPA 8260	Vinyl chloride	16.7	ug/L	10.0	06/27/19 01:11	
EPA 8260	cis-1,2-Dichloroethene	407	ug/L	10.0	06/27/19 01:11	
40189978015	**OP-4**					
EPA 8260	1,1,1-Trichloroethane	186	ug/L	2.0	06/27/19 10:55	
EPA 8260	1,1-Dichloroethane	28.2	ug/L	2.0	06/27/19 10:55	
EPA 8260	1,1-Dichloroethene	14.3	ug/L	2.0	06/27/19 10:55	
EPA 8260	Tetrachloroethene	1.4J	ug/L	2.2	06/27/19 10:55	
EPA 8260	Trichloroethene	175	ug/L	2.0	06/27/19 10:55	
EPA 8260	cis-1,2-Dichloroethene	47.4	ug/L	2.0	06/27/19 10:55	
40189978016	**RW-25**					
EPA 8260	1,1,1-Trichloroethane	49.9	ug/L	1.0	06/27/19 10:11	
EPA 8260	1,1-Dichloroethane	17.5	ug/L	1.0	06/27/19 10:11	
EPA 8260	1,1-Dichloroethene	3.3	ug/L	1.0	06/27/19 10:11	
EPA 8260	Tetrachloroethene	0.89J	ug/L	1.1	06/27/19 10:11	
EPA 8260	Trichloroethene	30.8	ug/L	1.0	06/27/19 10:11	
EPA 8260	Vinyl chloride	0.68J	ug/L	1.0	06/27/19 10:11	
EPA 8260	cis-1,2-Dichloroethene	59.8	ug/L	1.0	06/27/19 10:11	
40189978017	**RW-5**					
EPA 8260	1,1,1-Trichloroethane	290	ug/L	10.0	06/27/19 02:19	
EPA 8260	1,1-Dichloroethane	33.8	ug/L	10.0	06/27/19 02:19	
EPA 8260	1,1-Dichloroethene	12.0	ug/L	10.0	06/27/19 02:19	
EPA 8260	Trichloroethene	520	ug/L	10.0	06/27/19 02:19	
EPA 8260	Vinyl chloride	24.3	ug/L	10.0	06/27/19 02:19	
EPA 8260	cis-1,2-Dichloroethene	1600	ug/L	10.0	06/27/19 02:19	
EPA 8260	trans-1,2-Dichloroethene	16.6J	ug/L	36.4	06/27/19 02:19	
40189978018	**DUP-6**					
EPA 8260	1,1,1-Trichloroethane	139	ug/L	2.0	06/28/19 10:08	
EPA 8260	1,1-Dichloroethane	27.7	ug/L	2.0	06/28/19 10:08	
EPA 8260	1,1-Dichloroethene	6.2	ug/L	2.0	06/28/19 10:08	
EPA 8260	Tetrachloroethene	0.98J	ug/L	2.2	06/28/19 10:08	
EPA 8260	Trichloroethene	130	ug/L	2.0	06/28/19 10:08	
EPA 8260	Vinyl chloride	2.0J	ug/L	2.0	06/28/19 10:08	
EPA 8260	cis-1,2-Dichloroethene	165	ug/L	2.0	06/28/19 10:08	
40189978019	**OP-5**					
EPA 8260	1,1-Dichloroethane	6.6J	ug/L	10.0	06/27/19 12:40	
EPA 8260	1,1-Dichloroethene	3.7J	ug/L	10.0	06/27/19 12:40	
EPA 8260	Trichloroethene	476	ug/L	10.0	06/27/19 12:40	
EPA 8260	Vinyl chloride	44.8	ug/L	10.0	06/27/19 12:40	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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SUMMARY OF DETECTION

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189978019	**OP-5**					
EPA 8260	cis-1,2-Dichloroethene	607	ug/L	10.0	06/27/19 12:40	
40189978020	**RW-4**					
EPA 8260	1,1,1-Trichloroethane	164	ug/L	2.0	06/28/19 10:29	
EPA 8260	1,1-Dichloroethane	31.2	ug/L	2.0	06/28/19 10:29	
EPA 8260	1,1-Dichloroethene	7.5	ug/L	2.0	06/28/19 10:29	
EPA 8260	Tetrachloroethene	1.3J	ug/L	2.2	06/28/19 10:29	
EPA 8260	Trichloroethene	143	ug/L	2.0	06/28/19 10:29	
EPA 8260	Vinyl chloride	2.5	ug/L	2.0	06/28/19 10:29	
EPA 8260	cis-1,2-Dichloroethene	174	ug/L	2.0	06/28/19 10:29	
40189978021	**RW-24**					
EPA 8260	1,1,1-Trichloroethane	426	ug/L	10.0	06/26/19 09:54	
EPA 8260	1,1-Dichloroethane	115	ug/L	1.0	06/25/19 15:38	
EPA 8260	1,1-Dichloroethene	50.8	ug/L	1.0	06/25/19 15:38	
EPA 8260	1,2-Dichloroethane	0.49J	ug/L	1.0	06/25/19 15:38	
EPA 8260	Chloroethane	9.5	ug/L	5.0	06/25/19 15:38	
EPA 8260	Tetrachloroethene	0.97J	ug/L	1.1	06/25/19 15:38	
EPA 8260	Trichloroethene	215	ug/L	1.0	06/25/19 15:38	
EPA 8260	Vinyl chloride	27.6	ug/L	1.0	06/25/19 15:38	
EPA 8260	cis-1,2-Dichloroethene	396	ug/L	10.0	06/26/19 09:54	L1
EPA 8260	trans-1,2-Dichloroethene	3.2J	ug/L	3.6	06/25/19 15:38	
40189978022	**RW-8**					
EPA 8260	1,1,1-Trichloroethane	126	ug/L	1.0	06/25/19 16:00	
EPA 8260	1,1-Dichloroethane	33.5	ug/L	1.0	06/25/19 16:00	
EPA 8260	1,1-Dichloroethene	4.7	ug/L	1.0	06/25/19 16:00	
EPA 8260	Chloroethane	2.9J	ug/L	5.0	06/25/19 16:00	
EPA 8260	Tetrachloroethene	0.76J	ug/L	1.1	06/25/19 16:00	
EPA 8260	Trichloroethene	16.6	ug/L	1.0	06/25/19 16:00	
EPA 8260	Vinyl chloride	21.5	ug/L	1.0	06/25/19 16:00	
EPA 8260	cis-1,2-Dichloroethene	202	ug/L	1.0	06/25/19 16:00	L1

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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-20 **Lab ID: 40189978001** Collected: 06/21/19 08:46 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		06/25/19 12:55	630-20-6	
1,1,1-Trichloroethane	**34.1**	ug/L	10.0	2.4	10		06/25/19 12:55	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		06/25/19 12:55	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		06/25/19 12:55	79-00-5	
1,1-Dichloroethane	**2.7J**	ug/L	10.0	2.7	10		06/25/19 12:55	75-34-3	
1,1-Dichloroethene	**2.8J**	ug/L	10.0	2.4	10		06/25/19 12:55	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		06/25/19 12:55	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		06/25/19 12:55	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		06/25/19 12:55	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		06/25/19 12:55	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		06/25/19 12:55	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		06/25/19 12:55	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		06/25/19 12:55	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		06/25/19 12:55	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		06/25/19 12:55	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		06/25/19 12:55	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		06/25/19 12:55	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		06/25/19 12:55	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		06/25/19 12:55	142-28-9	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		06/25/19 12:55	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		06/25/19 12:55	594-20-7	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		06/25/19 12:55	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		06/25/19 12:55	106-43-4	
Benzene	**<2.5**	ug/L	10.0	2.5	10		06/25/19 12:55	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		06/25/19 12:55	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		06/25/19 12:55	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		06/25/19 12:55	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		06/25/19 12:55	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		06/25/19 12:55	74-83-9	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		06/25/19 12:55	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		06/25/19 12:55	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		06/25/19 12:55	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		06/25/19 12:55	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		06/25/19 12:55	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		06/25/19 12:55	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		06/25/19 12:55	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		06/25/19 12:55	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		06/25/19 12:55	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		06/25/19 12:55	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		06/25/19 12:55	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		06/25/19 12:55	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/25/19 12:55	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		06/25/19 12:55	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		06/25/19 12:55	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		06/25/19 12:55	100-42-5	
Tetrachloroethene	**<3.3**	ug/L	10.9	3.3	10		06/25/19 12:55	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-20 **Lab ID: 40189978001** Collected: 06/21/19 08:46 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<1.7**	ug/L	50.0	1.7	10		06/25/19 12:55	108-88-3	
Trichloroethene	**961**	ug/L	10.0	2.6	10		06/25/19 12:55	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		06/25/19 12:55	75-69-4	
Vinyl chloride	**13.2**	ug/L	10.0	1.7	10		06/25/19 12:55	75-01-4	
cis-1,2-Dichloroethene	**317**	ug/L	10.0	2.7	10		06/25/19 12:55	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		06/25/19 12:55	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		06/25/19 12:55	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		06/25/19 12:55	104-51-8	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		06/25/19 12:55	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		06/25/19 12:55	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		06/25/19 12:55	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		06/25/19 12:55	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		06/25/19 12:55	98-06-6	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		06/25/19 12:55	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		06/25/19 12:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		10		06/25/19 12:55	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		10		06/25/19 12:55	1868-53-7	
Toluene-d8 (S)	101	%	70-130		10		06/25/19 12:55	2037-26-5	

Sample: RW-21 **Lab ID: 40189978002** Collected: 06/21/19 10:07 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<1.3**	ug/L	5.0	1.3	5		06/26/19 23:19	630-20-6	
1,1,1-Trichloroethane	**102**	ug/L	5.0	1.2	5		06/26/19 23:19	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.4**	ug/L	5.0	1.4	5		06/26/19 23:19	79-34-5	
1,1,2-Trichloroethane	**<2.8**	ug/L	25.0	2.8	5		06/26/19 23:19	79-00-5	
1,1-Dichloroethane	**11.8**	ug/L	5.0	1.4	5		06/26/19 23:19	75-34-3	
1,1-Dichloroethene	**3.0J**	ug/L	5.0	1.2	5		06/26/19 23:19	75-35-4	
1,1-Dichloropropene	**<2.7**	ug/L	9.0	2.7	5		06/26/19 23:19	563-58-6	
1,2,3-Trichlorobenzene	**<3.1**	ug/L	25.0	3.1	5		06/26/19 23:19	87-61-6	
1,2,3-Trichloropropane	**<3.0**	ug/L	25.0	3.0	5		06/26/19 23:19	96-18-4	
1,2,4-Trichlorobenzene	**<4.8**	ug/L	25.0	4.8	5		06/26/19 23:19	120-82-1	
1,2,4-Trimethylbenzene	**<4.2**	ug/L	14.0	4.2	5		06/26/19 23:19	95-63-6	
1,2-Dibromo-3-chloropropane	**<8.8**	ug/L	29.4	8.8	5		06/26/19 23:19	96-12-8	
1,2-Dibromoethane (EDB)	**<4.1**	ug/L	13.8	4.1	5		06/26/19 23:19	106-93-4	
1,2-Dichlorobenzene	**<3.5**	ug/L	11.8	3.5	5		06/26/19 23:19	95-50-1	
1,2-Dichloroethane	**<1.4**	ug/L	5.0	1.4	5		06/26/19 23:19	107-06-2	
1,2-Dichloropropane	**<1.4**	ug/L	5.0	1.4	5		06/26/19 23:19	78-87-5	
1,3,5-Trimethylbenzene	**<4.4**	ug/L	14.6	4.4	5		06/26/19 23:19	108-67-8	
1,3-Dichlorobenzene	**<3.1**	ug/L	10.5	3.1	5		06/26/19 23:19	541-73-1	
1,3-Dichloropropane	**<4.1**	ug/L	13.8	4.1	5		06/26/19 23:19	142-28-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-21 **Lab ID: 40189978002** Collected: 06/21/19 10:07 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<4.7**	ug/L	15.7	4.7	5		06/26/19 23:19	106-46-7	
2,2-Dichloropropane	**<11.3**	ug/L	37.8	11.3	5		06/26/19 23:19	594-20-7	
2-Chlorotoluene	**<4.6**	ug/L	25.0	4.6	5		06/26/19 23:19	95-49-8	
4-Chlorotoluene	**<3.8**	ug/L	12.6	3.8	5		06/26/19 23:19	106-43-4	
Benzene	**<1.2**	ug/L	5.0	1.2	5		06/26/19 23:19	71-43-2	
Bromobenzene	**<1.2**	ug/L	5.0	1.2	5		06/26/19 23:19	108-86-1	
Bromochloromethane	**<1.8**	ug/L	25.0	1.8	5		06/26/19 23:19	74-97-5	
Bromodichloromethane	**<1.8**	ug/L	6.1	1.8	5		06/26/19 23:19	75-27-4	
Bromoform	**<19.9**	ug/L	66.2	19.9	5		06/26/19 23:19	75-25-2	
Bromomethane	**<4.9**	ug/L	25.0	4.9	5		06/26/19 23:19	74-83-9	
Carbon tetrachloride	**<0.83**	ug/L	5.0	0.83	5		06/26/19 23:19	56-23-5	
Chlorobenzene	**<3.6**	ug/L	11.8	3.6	5		06/26/19 23:19	108-90-7	
Chloroethane	**<6.7**	ug/L	25.0	6.7	5		06/26/19 23:19	75-00-3	
Chloroform	**<6.4**	ug/L	25.0	6.4	5		06/26/19 23:19	67-66-3	
Chloromethane	**<10.9**	ug/L	36.5	10.9	5		06/26/19 23:19	74-87-3	
Dibromochloromethane	**<13.0**	ug/L	43.4	13.0	5		06/26/19 23:19	124-48-1	
Dibromomethane	**<4.7**	ug/L	15.6	4.7	5		06/26/19 23:19	74-95-3	
Dichlorodifluoromethane	**<2.5**	ug/L	25.0	2.5	5		06/26/19 23:19	75-71-8	
Diisopropyl ether	**<9.4**	ug/L	31.5	9.4	5		06/26/19 23:19	108-20-3	
Ethylbenzene	**<1.1**	ug/L	5.0	1.1	5		06/26/19 23:19	100-41-4	
Hexachloro-1,3-butadiene	**<5.9**	ug/L	25.0	5.9	5		06/26/19 23:19	87-68-3	
Isopropylbenzene (Cumene)	**<2.0**	ug/L	25.0	2.0	5		06/26/19 23:19	98-82-8	
Methyl-tert-butyl ether	**<6.2**	ug/L	20.8	6.2	5		06/26/19 23:19	1634-04-4	
Methylene Chloride	**<2.9**	ug/L	25.0	2.9	5		06/26/19 23:19	75-09-2	
Naphthalene	**<5.9**	ug/L	25.0	5.9	5		06/26/19 23:19	91-20-3	
Styrene	**<2.3**	ug/L	7.8	2.3	5		06/26/19 23:19	100-42-5	
Tetrachloroethene	**<1.6**	ug/L	5.4	1.6	5		06/26/19 23:19	127-18-4	
Toluene	**<0.86**	ug/L	25.0	0.86	5		06/26/19 23:19	108-88-3	
Trichloroethene	**369**	ug/L	5.0	1.3	5		06/26/19 23:19	79-01-6	
Trichlorofluoromethane	**<1.1**	ug/L	5.0	1.1	5		06/26/19 23:19	75-69-4	
Vinyl chloride	**11.8**	ug/L	5.0	0.87	5		06/26/19 23:19	75-01-4	
cis-1,2-Dichloroethene	**436**	ug/L	5.0	1.4	5		06/26/19 23:19	156-59-2	
cis-1,3-Dichloropropene	**<18.1**	ug/L	60.5	18.1	5		06/26/19 23:19	10061-01-5	
m&p-Xylene	**<2.3**	ug/L	10.0	2.3	5		06/26/19 23:19	179601-23-1	
n-Butylbenzene	**<3.5**	ug/L	11.8	3.5	5		06/26/19 23:19	104-51-8	
n-Propylbenzene	**<4.1**	ug/L	25.0	4.1	5		06/26/19 23:19	103-65-1	
o-Xylene	**<1.3**	ug/L	5.0	1.3	5		06/26/19 23:19	95-47-6	
p-Isopropyltoluene	**<4.0**	ug/L	13.3	4.0	5		06/26/19 23:19	99-87-6	
sec-Butylbenzene	**<4.2**	ug/L	25.0	4.2	5		06/26/19 23:19	135-98-8	
tert-Butylbenzene	**<1.5**	ug/L	5.1	1.5	5		06/26/19 23:19	98-06-6	
trans-1,2-Dichloroethene	**<5.5**	ug/L	18.2	5.5	5		06/26/19 23:19	156-60-5	
trans-1,3-Dichloropropene	**<21.9**	ug/L	72.8	21.9	5		06/26/19 23:19	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		5		06/26/19 23:19	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		5		06/26/19 23:19	1868-53-7	
Toluene-d8 (S)	106	%	70-130		5		06/26/19 23:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: OP-1 **Lab ID: 40189978003** Collected: 06/21/19 09:36 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		06/25/19 13:38	630-20-6	
1,1,1-Trichloroethane	**166**	ug/L	10.0	2.4	10		06/25/19 13:38	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		06/25/19 13:38	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		06/25/19 13:38	79-00-5	
1,1-Dichloroethane	**18.9**	ug/L	10.0	2.7	10		06/25/19 13:38	75-34-3	
1,1-Dichloroethene	**4.1J**	ug/L	10.0	2.4	10		06/25/19 13:38	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		06/25/19 13:38	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		06/25/19 13:38	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		06/25/19 13:38	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		06/25/19 13:38	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		06/25/19 13:38	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		06/25/19 13:38	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		06/25/19 13:38	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		06/25/19 13:38	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		06/25/19 13:38	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		06/25/19 13:38	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		06/25/19 13:38	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		06/25/19 13:38	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		06/25/19 13:38	142-28-9	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		06/25/19 13:38	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		06/25/19 13:38	594-20-7	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		06/25/19 13:38	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		06/25/19 13:38	106-43-4	
Benzene	**<2.5**	ug/L	10.0	2.5	10		06/25/19 13:38	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		06/25/19 13:38	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		06/25/19 13:38	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		06/25/19 13:38	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		06/25/19 13:38	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		06/25/19 13:38	74-83-9	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		06/25/19 13:38	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		06/25/19 13:38	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		06/25/19 13:38	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		06/25/19 13:38	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		06/25/19 13:38	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		06/25/19 13:38	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		06/25/19 13:38	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		06/25/19 13:38	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		06/25/19 13:38	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		06/25/19 13:38	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		06/25/19 13:38	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		06/25/19 13:38	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/25/19 13:38	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		06/25/19 13:38	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		06/25/19 13:38	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		06/25/19 13:38	100-42-5	
Tetrachloroethene	**<3.3**	ug/L	10.9	3.3	10		06/25/19 13:38	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: OP-1 **Lab ID: 40189978003** Collected: 06/21/19 09:36 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<1.7**	ug/L	50.0	1.7	10		06/25/19 13:38	108-88-3	
Trichloroethene	**515**	ug/L	10.0	2.6	10		06/25/19 13:38	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		06/25/19 13:38	75-69-4	
Vinyl chloride	**<1.7**	ug/L	10.0	1.7	10		06/25/19 13:38	75-01-4	
cis-1,2-Dichloroethene	**201**	ug/L	10.0	2.7	10		06/25/19 13:38	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		06/25/19 13:38	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		06/25/19 13:38	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		06/25/19 13:38	104-51-8	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		06/25/19 13:38	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		06/25/19 13:38	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		06/25/19 13:38	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		06/25/19 13:38	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		06/25/19 13:38	98-06-6	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		06/25/19 13:38	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		06/25/19 13:38	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		10		06/25/19 13:38	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		10		06/25/19 13:38	1868-53-7	
Toluene-d8 (S)	102	%	70-130		10		06/25/19 13:38	2037-26-5	

Sample: RW-01 **Lab ID: 40189978004** Collected: 06/21/19 10:52 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/26/19 22:56	630-20-6	
1,1,1-Trichloroethane	**142**	ug/L	1.0	0.24	1		06/26/19 22:56	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/26/19 22:56	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/26/19 22:56	79-00-5	
1,1-Dichloroethane	**9.8**	ug/L	1.0	0.27	1		06/26/19 22:56	75-34-3	
1,1-Dichloroethene	**2.0**	ug/L	1.0	0.24	1		06/26/19 22:56	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/26/19 22:56	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/26/19 22:56	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/26/19 22:56	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/26/19 22:56	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/26/19 22:56	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/26/19 22:56	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/26/19 22:56	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/26/19 22:56	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/26/19 22:56	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/26/19 22:56	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/26/19 22:56	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/26/19 22:56	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/26/19 22:56	142-28-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-01 **Lab ID: 40189978004** Collected: 06/21/19 10:52 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/26/19 22:56	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/26/19 22:56	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/26/19 22:56	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/26/19 22:56	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/26/19 22:56	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/26/19 22:56	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/26/19 22:56	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/26/19 22:56	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/26/19 22:56	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/26/19 22:56	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/26/19 22:56	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/26/19 22:56	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/26/19 22:56	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/26/19 22:56	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/26/19 22:56	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/26/19 22:56	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/26/19 22:56	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/26/19 22:56	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/26/19 22:56	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/26/19 22:56	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/26/19 22:56	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/26/19 22:56	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/26/19 22:56	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/26/19 22:56	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/26/19 22:56	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/26/19 22:56	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		06/26/19 22:56	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/26/19 22:56	108-88-3	
Trichloroethene	**39.8**	ug/L	1.0	0.26	1		06/26/19 22:56	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/26/19 22:56	75-69-4	
Vinyl chloride	**0.63J**	ug/L	1.0	0.17	1		06/26/19 22:56	75-01-4	
cis-1,2-Dichloroethene	**52.8**	ug/L	1.0	0.27	1		06/26/19 22:56	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/26/19 22:56	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/26/19 22:56	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/26/19 22:56	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/26/19 22:56	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/26/19 22:56	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/26/19 22:56	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/26/19 22:56	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/26/19 22:56	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/26/19 22:56	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/26/19 22:56	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		06/26/19 22:56	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		06/26/19 22:56	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		06/26/19 22:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: OP-2 **Lab ID: 40189978005** Collected: 06/21/19 11:49 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**1.7J**	ug/L	5.6	0.58	1		07/02/19 10:21	74-84-0	
Ethene	**0.83J**	ug/L	5.0	0.52	1		07/02/19 10:21	74-85-1	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Iron, Dissolved	**357**	ug/L	118	35.4	1		06/25/19 23:22	7439-89-6	
Manganese, Dissolved	**489**	ug/L	5.0	1.1	1		06/25/19 23:22	7439-96-5	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.54**	ug/L	2.0	0.54	2		06/25/19 14:21	630-20-6	
1,1,1-Trichloroethane	**485**	ug/L	2.0	0.49	2		06/25/19 14:21	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.55**	ug/L	2.0	0.55	2		06/25/19 14:21	79-34-5	
1,1,2-Trichloroethane	**<1.1**	ug/L	10.0	1.1	2		06/25/19 14:21	79-00-5	
1,1-Dichloroethane	**95.2**	ug/L	2.0	0.55	2		06/25/19 14:21	75-34-3	
1,1-Dichloroethene	**3.9**	ug/L	2.0	0.49	2		06/25/19 14:21	75-35-4	
1,1-Dichloropropene	**<1.1**	ug/L	3.6	1.1	2		06/25/19 14:21	563-58-6	
1,2,3-Trichlorobenzene	**<1.3**	ug/L	10.0	1.3	2		06/25/19 14:21	87-61-6	
1,2,3-Trichloropropane	**<1.2**	ug/L	10.0	1.2	2		06/25/19 14:21	96-18-4	
1,2,4-Trichlorobenzene	**<1.9**	ug/L	10.0	1.9	2		06/25/19 14:21	120-82-1	
1,2,4-Trimethylbenzene	**<1.7**	ug/L	5.6	1.7	2		06/25/19 14:21	95-63-6	
1,2-Dibromo-3-chloropropane	**<3.5**	ug/L	11.8	3.5	2		06/25/19 14:21	96-12-8	
1,2-Dibromoethane (EDB)	**<1.7**	ug/L	5.5	1.7	2		06/25/19 14:21	106-93-4	
1,2-Dichlorobenzene	**<1.4**	ug/L	4.7	1.4	2		06/25/19 14:21	95-50-1	
1,2-Dichloroethane	**<0.56**	ug/L	2.0	0.56	2		06/25/19 14:21	107-06-2	
1,2-Dichloropropane	**<0.57**	ug/L	2.0	0.57	2		06/25/19 14:21	78-87-5	
1,3,5-Trimethylbenzene	**<1.7**	ug/L	5.8	1.7	2		06/25/19 14:21	108-67-8	
1,3-Dichlorobenzene	**<1.3**	ug/L	4.2	1.3	2		06/25/19 14:21	541-73-1	
1,3-Dichloropropane	**<1.7**	ug/L	5.5	1.7	2		06/25/19 14:21	142-28-9	
1,4-Dichlorobenzene	**<1.9**	ug/L	6.3	1.9	2		06/25/19 14:21	106-46-7	
2,2-Dichloropropane	**<4.5**	ug/L	15.1	4.5	2		06/25/19 14:21	594-20-7	
2-Chlorotoluene	**<1.9**	ug/L	10.0	1.9	2		06/25/19 14:21	95-49-8	
4-Chlorotoluene	**<1.5**	ug/L	5.0	1.5	2		06/25/19 14:21	106-43-4	
Benzene	**<0.49**	ug/L	2.0	0.49	2		06/25/19 14:21	71-43-2	
Bromobenzene	**<0.48**	ug/L	2.0	0.48	2		06/25/19 14:21	108-86-1	
Bromochloromethane	**<0.72**	ug/L	10.0	0.72	2		06/25/19 14:21	74-97-5	
Bromodichloromethane	**<0.73**	ug/L	2.4	0.73	2		06/25/19 14:21	75-27-4	
Bromoform	**<7.9**	ug/L	26.5	7.9	2		06/25/19 14:21	75-25-2	
Bromomethane	**<1.9**	ug/L	10.0	1.9	2		06/25/19 14:21	74-83-9	
Carbon tetrachloride	**<0.33**	ug/L	2.0	0.33	2		06/25/19 14:21	56-23-5	
Chlorobenzene	**<1.4**	ug/L	4.7	1.4	2		06/25/19 14:21	108-90-7	
Chloroethane	**<2.7**	ug/L	10.0	2.7	2		06/25/19 14:21	75-00-3	
Chloroform	**<2.5**	ug/L	10.0	2.5	2		06/25/19 14:21	67-66-3	
Chloromethane	**<4.4**	ug/L	14.6	4.4	2		06/25/19 14:21	74-87-3	
Dibromochloromethane	**<5.2**	ug/L	17.3	5.2	2		06/25/19 14:21	124-48-1	
Dibromomethane	**<1.9**	ug/L	6.2	1.9	2		06/25/19 14:21	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	10.0	1.0	2		06/25/19 14:21	75-71-8	
Diisopropyl ether	**<3.8**	ug/L	12.6	3.8	2		06/25/19 14:21	108-20-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: OP-2 **Lab ID: 40189978005** Collected: 06/21/19 11:49 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Ethylbenzene	**<0.44**	ug/L	2.0	0.44	2		06/25/19 14:21	100-41-4	
Hexachloro-1,3-butadiene	**<2.4**	ug/L	10.0	2.4	2		06/25/19 14:21	87-68-3	
Isopropylbenzene (Cumene)	**<0.79**	ug/L	10.0	0.79	2		06/25/19 14:21	98-82-8	
Methyl-tert-butyl ether	**<2.5**	ug/L	8.3	2.5	2		06/25/19 14:21	1634-04-4	
Methylene Chloride	**<1.2**	ug/L	10.0	1.2	2		06/25/19 14:21	75-09-2	
Naphthalene	**<2.4**	ug/L	10.0	2.4	2		06/25/19 14:21	91-20-3	
Styrene	**<0.93**	ug/L	3.1	0.93	2		06/25/19 14:21	100-42-5	
Tetrachloroethene	**<0.65**	ug/L	2.2	0.65	2		06/25/19 14:21	127-18-4	
Toluene	**<0.34**	ug/L	10.0	0.34	2		06/25/19 14:21	108-88-3	
Trichloroethene	**127**	ug/L	2.0	0.51	2		06/25/19 14:21	79-01-6	
Trichlorofluoromethane	**<0.43**	ug/L	2.0	0.43	2		06/25/19 14:21	75-69-4	
Vinyl chloride	**3.7**	ug/L	2.0	0.35	2		06/25/19 14:21	75-01-4	
cis-1,2-Dichloroethene	**151**	ug/L	2.0	0.54	2		06/25/19 14:21	156-59-2	
cis-1,3-Dichloropropene	**<7.3**	ug/L	24.2	7.3	2		06/25/19 14:21	10061-01-5	
m&p-Xylene	**<0.93**	ug/L	4.0	0.93	2		06/25/19 14:21	179601-23-1	
n-Butylbenzene	**<1.4**	ug/L	4.7	1.4	2		06/25/19 14:21	104-51-8	
n-Propylbenzene	**<1.6**	ug/L	10.0	1.6	2		06/25/19 14:21	103-65-1	
o-Xylene	**<0.52**	ug/L	2.0	0.52	2		06/25/19 14:21	95-47-6	
p-Isopropyltoluene	**<1.6**	ug/L	5.3	1.6	2		06/25/19 14:21	99-87-6	
sec-Butylbenzene	**<1.7**	ug/L	10.0	1.7	2		06/25/19 14:21	135-98-8	
tert-Butylbenzene	**<0.61**	ug/L	2.0	0.61	2		06/25/19 14:21	98-06-6	
trans-1,2-Dichloroethene	**<2.2**	ug/L	7.3	2.2	2		06/25/19 14:21	156-60-5	
trans-1,3-Dichloropropene	**<8.7**	ug/L	29.1	8.7	2		06/25/19 14:21	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		2		06/25/19 14:21	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		2		06/25/19 14:21	1868-53-7	
Toluene-d8 (S)	100	%	70-130		2		06/25/19 14:21	2037-26-5	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**<0.38**	mg/L	1.1	0.38	5		06/25/19 02:41	14797-55-8	D3,H1
Sulfate	**82.2**	mg/L	15.0	5.0	5		06/25/19 02:41	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**458**	mg/L	47.0	14.1	2		06/27/19 08:31		

Sample: RW-22 **Lab ID: 40189978006** Collected: 06/21/19 12:34 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		06/25/19 14:42	630-20-6	
1,1,1-Trichloroethane	**74.8**	ug/L	10.0	2.4	10		06/25/19 14:42	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		06/25/19 14:42	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		06/25/19 14:42	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-22 **Lab ID: 40189978006** Collected: 06/21/19 12:34 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1-Dichloroethane	**19.5**	ug/L	10.0	2.7	10		06/25/19 14:42	75-34-3	
1,1-Dichloroethene	**4.7J**	ug/L	10.0	2.4	10		06/25/19 14:42	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		06/25/19 14:42	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		06/25/19 14:42	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		06/25/19 14:42	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		06/25/19 14:42	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		06/25/19 14:42	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		06/25/19 14:42	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		06/25/19 14:42	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		06/25/19 14:42	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		06/25/19 14:42	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		06/25/19 14:42	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		06/25/19 14:42	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		06/25/19 14:42	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		06/25/19 14:42	142-28-9	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		06/25/19 14:42	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		06/25/19 14:42	594-20-7	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		06/25/19 14:42	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		06/25/19 14:42	106-43-4	
Benzene	**<2.5**	ug/L	10.0	2.5	10		06/25/19 14:42	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		06/25/19 14:42	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		06/25/19 14:42	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		06/25/19 14:42	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		06/25/19 14:42	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		06/25/19 14:42	74-83-9	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		06/25/19 14:42	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		06/25/19 14:42	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		06/25/19 14:42	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		06/25/19 14:42	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		06/25/19 14:42	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		06/25/19 14:42	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		06/25/19 14:42	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		06/25/19 14:42	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		06/25/19 14:42	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		06/25/19 14:42	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		06/25/19 14:42	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		06/25/19 14:42	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/25/19 14:42	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		06/25/19 14:42	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		06/25/19 14:42	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		06/25/19 14:42	100-42-5	
Tetrachloroethene	**<3.3**	ug/L	10.9	3.3	10		06/25/19 14:42	127-18-4	
Toluene	**<1.7**	ug/L	50.0	1.7	10		06/25/19 14:42	108-88-3	
Trichloroethene	**633**	ug/L	10.0	2.6	10		06/25/19 14:42	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		06/25/19 14:42	75-69-4	
Vinyl chloride	**<1.7**	ug/L	10.0	1.7	10		06/25/19 14:42	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-22 **Lab ID: 40189978006** Collected: 06/21/19 12:34 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	**115**	ug/L	10.0	2.7	10		06/25/19 14:42	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		06/25/19 14:42	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		06/25/19 14:42	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		06/25/19 14:42	104-51-8	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		06/25/19 14:42	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		06/25/19 14:42	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		06/25/19 14:42	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		06/25/19 14:42	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		06/25/19 14:42	98-06-6	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		06/25/19 14:42	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		06/25/19 14:42	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		10		06/25/19 14:42	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		10		06/25/19 14:42	1868-53-7	
Toluene-d8 (S)	102	%	70-130		10		06/25/19 14:42	2037-26-5	

Sample: RW-2 **Lab ID: 40189978007** Collected: 06/21/19 13:14 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		06/25/19 15:04	630-20-6	
1,1,1-Trichloroethane	**258**	ug/L	10.0	2.4	10		06/25/19 15:04	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		06/25/19 15:04	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		06/25/19 15:04	79-00-5	
1,1-Dichloroethane	**24.0**	ug/L	10.0	2.7	10		06/25/19 15:04	75-34-3	
1,1-Dichloroethene	**3.2J**	ug/L	10.0	2.4	10		06/25/19 15:04	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		06/25/19 15:04	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		06/25/19 15:04	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		06/25/19 15:04	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		06/25/19 15:04	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		06/25/19 15:04	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		06/25/19 15:04	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		06/25/19 15:04	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		06/25/19 15:04	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		06/25/19 15:04	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		06/25/19 15:04	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		06/25/19 15:04	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		06/25/19 15:04	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		06/25/19 15:04	142-28-9	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		06/25/19 15:04	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		06/25/19 15:04	594-20-7	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		06/25/19 15:04	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		06/25/19 15:04	106-43-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-2 **Lab ID: 40189978007** Collected: 06/21/19 13:14 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<2.5**	ug/L	10.0	2.5	10		06/25/19 15:04	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		06/25/19 15:04	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		06/25/19 15:04	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		06/25/19 15:04	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		06/25/19 15:04	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		06/25/19 15:04	74-83-9	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		06/25/19 15:04	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		06/25/19 15:04	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		06/25/19 15:04	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		06/25/19 15:04	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		06/25/19 15:04	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		06/25/19 15:04	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		06/25/19 15:04	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		06/25/19 15:04	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		06/25/19 15:04	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		06/25/19 15:04	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		06/25/19 15:04	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		06/25/19 15:04	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/25/19 15:04	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		06/25/19 15:04	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		06/25/19 15:04	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		06/25/19 15:04	100-42-5	
Tetrachloroethene	**<3.3**	ug/L	10.9	3.3	10		06/25/19 15:04	127-18-4	
Toluene	**<1.7**	ug/L	50.0	1.7	10		06/25/19 15:04	108-88-3	
Trichloroethene	**404**	ug/L	10.0	2.6	10		06/25/19 15:04	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		06/25/19 15:04	75-69-4	
Vinyl chloride	**2.0J**	ug/L	10.0	1.7	10		06/25/19 15:04	75-01-4	
cis-1,2-Dichloroethene	**149**	ug/L	10.0	2.7	10		06/25/19 15:04	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		06/25/19 15:04	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		06/25/19 15:04	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		06/25/19 15:04	104-51-8	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		06/25/19 15:04	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		06/25/19 15:04	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		06/25/19 15:04	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		06/25/19 15:04	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		06/25/19 15:04	98-06-6	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		06/25/19 15:04	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		06/25/19 15:04	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		10		06/25/19 15:04	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		10		06/25/19 15:04	1868-53-7	
Toluene-d8 (S)	100	%	70-130		10		06/25/19 15:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-23 **Lab ID: 40189978008** Collected: 06/21/19 13:58 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		06/25/19 15:25	630-20-6	
1,1,1-Trichloroethane	**347**	ug/L	10.0	2.4	10		06/25/19 15:25	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		06/25/19 15:25	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		06/25/19 15:25	79-00-5	
1,1-Dichloroethane	**23.1**	ug/L	10.0	2.7	10		06/25/19 15:25	75-34-3	
1,1-Dichloroethene	**10.4**	ug/L	10.0	2.4	10		06/25/19 15:25	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		06/25/19 15:25	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		06/25/19 15:25	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		06/25/19 15:25	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		06/25/19 15:25	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		06/25/19 15:25	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		06/25/19 15:25	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		06/25/19 15:25	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		06/25/19 15:25	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		06/25/19 15:25	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		06/25/19 15:25	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		06/25/19 15:25	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		06/25/19 15:25	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		06/25/19 15:25	142-28-9	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		06/25/19 15:25	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		06/25/19 15:25	594-20-7	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		06/25/19 15:25	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		06/25/19 15:25	106-43-4	
Benzene	**<2.5**	ug/L	10.0	2.5	10		06/25/19 15:25	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		06/25/19 15:25	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		06/25/19 15:25	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		06/25/19 15:25	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		06/25/19 15:25	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		06/25/19 15:25	74-83-9	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		06/25/19 15:25	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		06/25/19 15:25	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		06/25/19 15:25	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		06/25/19 15:25	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		06/25/19 15:25	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		06/25/19 15:25	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		06/25/19 15:25	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		06/25/19 15:25	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		06/25/19 15:25	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		06/25/19 15:25	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		06/25/19 15:25	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		06/25/19 15:25	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/25/19 15:25	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		06/25/19 15:25	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		06/25/19 15:25	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		06/25/19 15:25	100-42-5	
Tetrachloroethene	**<3.3**	ug/L	10.9	3.3	10		06/25/19 15:25	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-23 **Lab ID: 40189978008** Collected: 06/21/19 13:58 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<1.7**	ug/L	50.0	1.7	10		06/25/19 15:25	108-88-3	
Trichloroethene	**606**	ug/L	10.0	2.6	10		06/25/19 15:25	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		06/25/19 15:25	75-69-4	
Vinyl chloride	**<1.7**	ug/L	10.0	1.7	10		06/25/19 15:25	75-01-4	
cis-1,2-Dichloroethene	**179**	ug/L	10.0	2.7	10		06/25/19 15:25	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		06/25/19 15:25	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		06/25/19 15:25	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		06/25/19 15:25	104-51-8	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		06/25/19 15:25	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		06/25/19 15:25	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		06/25/19 15:25	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		06/25/19 15:25	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		06/25/19 15:25	98-06-6	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		06/25/19 15:25	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		06/25/19 15:25	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		10		06/25/19 15:25	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		10		06/25/19 15:25	1868-53-7	
Toluene-d8 (S)	99	%	70-130		10		06/25/19 15:25	2037-26-5	

Sample: RW-3 **Lab ID: 40189978009** Collected: 06/21/19 14:40 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<26.9**	ug/L	100	26.9	100		06/26/19 23:41	630-20-6	
1,1,1-Trichloroethane	**217**	ug/L	100	24.5	100		06/26/19 23:41	71-55-6	
1,1,2,2-Tetrachloroethane	**<27.5**	ug/L	100	27.5	100		06/26/19 23:41	79-34-5	
1,1,2-Trichloroethane	**<55.2**	ug/L	500	55.2	100		06/26/19 23:41	79-00-5	
1,1-Dichloroethane	**42.9J**	ug/L	100	27.3	100		06/26/19 23:41	75-34-3	
1,1-Dichloroethene	**<24.5**	ug/L	100	24.5	100		06/26/19 23:41	75-35-4	
1,1-Dichloropropene	**<54.0**	ug/L	180	54.0	100		06/26/19 23:41	563-58-6	
1,2,3-Trichlorobenzene	**<62.6**	ug/L	500	62.6	100		06/26/19 23:41	87-61-6	
1,2,3-Trichloropropane	**<59.1**	ug/L	500	59.1	100		06/26/19 23:41	96-18-4	
1,2,4-Trichlorobenzene	**<95.1**	ug/L	500	95.1	100		06/26/19 23:41	120-82-1	
1,2,4-Trimethylbenzene	**<84.1**	ug/L	280	84.1	100		06/26/19 23:41	95-63-6	
1,2-Dibromo-3-chloropropane	**<176**	ug/L	588	176	100		06/26/19 23:41	96-12-8	
1,2-Dibromoethane (EDB)	**<82.9**	ug/L	276	82.9	100		06/26/19 23:41	106-93-4	
1,2-Dichlorobenzene	**<70.5**	ug/L	235	70.5	100		06/26/19 23:41	95-50-1	
1,2-Dichloroethane	**<28.0**	ug/L	100	28.0	100		06/26/19 23:41	107-06-2	
1,2-Dichloropropane	**<28.3**	ug/L	100	28.3	100		06/26/19 23:41	78-87-5	
1,3,5-Trimethylbenzene	**<87.3**	ug/L	291	87.3	100		06/26/19 23:41	108-67-8	
1,3-Dichlorobenzene	**<62.8**	ug/L	209	62.8	100		06/26/19 23:41	541-73-1	
1,3-Dichloropropane	**<82.6**	ug/L	275	82.6	100		06/26/19 23:41	142-28-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-3 **Lab ID: 40189978009** Collected: 06/21/19 14:40 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<94.4**	ug/L	315	94.4	100		06/26/19 23:41	106-46-7	
2,2-Dichloropropane	**<227**	ug/L	755	227	100		06/26/19 23:41	594-20-7	
2-Chlorotoluene	**<92.6**	ug/L	500	92.6	100		06/26/19 23:41	95-49-8	
4-Chlorotoluene	**<75.6**	ug/L	252	75.6	100		06/26/19 23:41	106-43-4	
Benzene	**<24.6**	ug/L	100	24.6	100		06/26/19 23:41	71-43-2	
Bromobenzene	**<24.1**	ug/L	100	24.1	100		06/26/19 23:41	108-86-1	
Bromochloromethane	**<36.2**	ug/L	500	36.2	100		06/26/19 23:41	74-97-5	
Bromodichloromethane	**<36.4**	ug/L	121	36.4	100		06/26/19 23:41	75-27-4	
Bromoform	**<397**	ug/L	1320	397	100		06/26/19 23:41	75-25-2	
Bromomethane	**<97.1**	ug/L	500	97.1	100		06/26/19 23:41	74-83-9	
Carbon tetrachloride	**<16.6**	ug/L	100	16.6	100		06/26/19 23:41	56-23-5	
Chlorobenzene	**<71.1**	ug/L	237	71.1	100		06/26/19 23:41	108-90-7	
Chloroethane	**<134**	ug/L	500	134	100		06/26/19 23:41	75-00-3	
Chloroform	**<127**	ug/L	500	127	100		06/26/19 23:41	67-66-3	
Chloromethane	**<219**	ug/L	730	219	100		06/26/19 23:41	74-87-3	
Dibromochloromethane	**<260**	ug/L	867	260	100		06/26/19 23:41	124-48-1	
Dibromomethane	**<93.7**	ug/L	312	93.7	100		06/26/19 23:41	74-95-3	
Dichlorodifluoromethane	**<50.0**	ug/L	500	50.0	100		06/26/19 23:41	75-71-8	
Diisopropyl ether	**<189**	ug/L	629	189	100		06/26/19 23:41	108-20-3	
Ethylbenzene	**<21.8**	ug/L	100	21.8	100		06/26/19 23:41	100-41-4	
Hexachloro-1,3-butadiene	**<118**	ug/L	500	118	100		06/26/19 23:41	87-68-3	
Isopropylbenzene (Cumene)	**<39.3**	ug/L	500	39.3	100		06/26/19 23:41	98-82-8	
Methyl-tert-butyl ether	**<125**	ug/L	415	125	100		06/26/19 23:41	1634-04-4	
Methylene Chloride	**<58.1**	ug/L	500	58.1	100		06/26/19 23:41	75-09-2	
Naphthalene	**<118**	ug/L	500	118	100		06/26/19 23:41	91-20-3	
Styrene	**<46.5**	ug/L	155	46.5	100		06/26/19 23:41	100-42-5	
Tetrachloroethene	**<32.6**	ug/L	109	32.6	100		06/26/19 23:41	127-18-4	
Toluene	**<17.2**	ug/L	500	17.2	100		06/26/19 23:41	108-88-3	
Trichloroethene	**350**	ug/L	100	25.5	100		06/26/19 23:41	79-01-6	
Trichlorofluoromethane	**<21.5**	ug/L	100	21.5	100		06/26/19 23:41	75-69-4	
Vinyl chloride	**176**	ug/L	100	17.5	100		06/26/19 23:41	75-01-4	
cis-1,2-Dichloroethene	**7800**	ug/L	100	27.1	100		06/26/19 23:41	156-59-2	
cis-1,3-Dichloropropene	**<363**	ug/L	1210	363	100		06/26/19 23:41	10061-01-5	
m&p-Xylene	**<46.5**	ug/L	200	46.5	100		06/26/19 23:41	179601-23-1	
n-Butylbenzene	**<70.8**	ug/L	236	70.8	100		06/26/19 23:41	104-51-8	
n-Propylbenzene	**<81.1**	ug/L	500	81.1	100		06/26/19 23:41	103-65-1	
o-Xylene	**<26.2**	ug/L	100	26.2	100		06/26/19 23:41	95-47-6	
p-Isopropyltoluene	**<80.0**	ug/L	267	80.0	100		06/26/19 23:41	99-87-6	
sec-Butylbenzene	**<84.9**	ug/L	500	84.9	100		06/26/19 23:41	135-98-8	
tert-Butylbenzene	**<30.4**	ug/L	101	30.4	100		06/26/19 23:41	98-06-6	
trans-1,2-Dichloroethene	**<109**	ug/L	364	109	100		06/26/19 23:41	156-60-5	
trans-1,3-Dichloropropene	**<437**	ug/L	1460	437	100		06/26/19 23:41	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		100		06/26/19 23:41	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		100		06/26/19 23:41	1868-53-7	
Toluene-d8 (S)	107	%	70-130		100		06/26/19 23:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: OP-3 **Lab ID: 40189978010** Collected: 06/21/19 15:25 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**0.96J**	ug/L	5.6	0.58	1		07/02/19 10:28	74-84-0	
Ethene	**0.66J**	ug/L	5.0	0.52	1		07/02/19 10:28	74-85-1	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Iron, Dissolved	**<35.4**	ug/L	118	35.4	1		06/25/19 23:25	7439-89-6	
Manganese, Dissolved	**71.7**	ug/L	5.0	1.1	1		06/25/19 23:25	7439-96-5	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/25/19 12:34	630-20-6	
1,1,1-Trichloroethane	**188**	ug/L	1.0	0.24	1		06/25/19 12:34	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 12:34	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/25/19 12:34	79-00-5	
1,1-Dichloroethane	**58.5**	ug/L	1.0	0.27	1		06/25/19 12:34	75-34-3	
1,1-Dichloroethene	**30.5**	ug/L	1.0	0.24	1		06/25/19 12:34	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/25/19 12:34	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/25/19 12:34	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/25/19 12:34	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/25/19 12:34	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/25/19 12:34	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/25/19 12:34	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/25/19 12:34	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 12:34	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 12:34	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 12:34	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/25/19 12:34	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/25/19 12:34	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/25/19 12:34	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/25/19 12:34	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/25/19 12:34	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/25/19 12:34	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/25/19 12:34	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/25/19 12:34	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/25/19 12:34	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/25/19 12:34	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/25/19 12:34	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/25/19 12:34	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/25/19 12:34	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/25/19 12:34	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 12:34	108-90-7	
Chloroethane	**2.8J**	ug/L	5.0	1.3	1		06/25/19 12:34	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/25/19 12:34	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/25/19 12:34	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/25/19 12:34	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/25/19 12:34	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/25/19 12:34	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/25/19 12:34	108-20-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: OP-3 **Lab ID: 40189978010** Collected: 06/21/19 15:25 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/25/19 12:34	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/25/19 12:34	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/25/19 12:34	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/25/19 12:34	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/25/19 12:34	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/25/19 12:34	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/25/19 12:34	100-42-5	
Tetrachloroethene	**0.54J**	ug/L	1.1	0.33	1		06/25/19 12:34	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/25/19 12:34	108-88-3	
Trichloroethene	**77.8**	ug/L	1.0	0.26	1		06/25/19 12:34	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/25/19 12:34	75-69-4	
Vinyl chloride	**4.9**	ug/L	1.0	0.17	1		06/25/19 12:34	75-01-4	
cis-1,2-Dichloroethene	**130**	ug/L	1.0	0.27	1		06/25/19 12:34	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/25/19 12:34	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/25/19 12:34	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 12:34	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/25/19 12:34	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/25/19 12:34	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/25/19 12:34	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/25/19 12:34	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/25/19 12:34	98-06-6	
trans-1,2-Dichloroethene	**1.1J**	ug/L	3.6	1.1	1		06/25/19 12:34	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/25/19 12:34	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/25/19 12:34	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		06/25/19 12:34	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/25/19 12:34	2037-26-5	
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**<0.075**	mg/L	0.22	0.075	1		06/24/19 15:14	14797-55-8	H1
Sulfate	**38.6**	mg/L	3.0	1.0	1		06/24/19 15:14	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2								
Alkalinity, Total as CaCO3	**371**	mg/L	47.0	14.1	2		06/27/19 08:32		
5310C TOC	Analytical Method: SM 5310C								
Total Organic Carbon	**2.0**	mg/L	0.84	0.25	1		07/01/19 08:04	7440-44-0	

Sample: RW-26 **Lab ID: 40189978011** Collected: 06/21/19 08:20 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		06/27/19 00:04	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-26 **Lab ID: 40189978011** Collected: 06/21/19 08:20 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.4**	ug/L	10.0	2.4	10		06/27/19 00:04	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		06/27/19 00:04	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		06/27/19 00:04	79-00-5	
1,1-Dichloroethane	**<2.7**	ug/L	10.0	2.7	10		06/27/19 00:04	75-34-3	
1,1-Dichloroethene	**<2.4**	ug/L	10.0	2.4	10		06/27/19 00:04	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		06/27/19 00:04	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		06/27/19 00:04	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		06/27/19 00:04	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		06/27/19 00:04	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		06/27/19 00:04	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		06/27/19 00:04	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		06/27/19 00:04	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		06/27/19 00:04	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		06/27/19 00:04	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		06/27/19 00:04	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		06/27/19 00:04	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		06/27/19 00:04	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		06/27/19 00:04	142-28-9	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		06/27/19 00:04	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		06/27/19 00:04	594-20-7	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		06/27/19 00:04	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		06/27/19 00:04	106-43-4	
Benzene	**<2.5**	ug/L	10.0	2.5	10		06/27/19 00:04	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		06/27/19 00:04	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		06/27/19 00:04	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		06/27/19 00:04	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		06/27/19 00:04	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		06/27/19 00:04	74-83-9	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		06/27/19 00:04	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		06/27/19 00:04	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		06/27/19 00:04	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		06/27/19 00:04	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		06/27/19 00:04	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		06/27/19 00:04	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		06/27/19 00:04	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		06/27/19 00:04	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		06/27/19 00:04	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		06/27/19 00:04	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		06/27/19 00:04	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		06/27/19 00:04	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/27/19 00:04	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		06/27/19 00:04	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		06/27/19 00:04	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		06/27/19 00:04	100-42-5	
Tetrachloroethene	**<3.3**	ug/L	10.9	3.3	10		06/27/19 00:04	127-18-4	
Toluene	**<1.7**	ug/L	50.0	1.7	10		06/27/19 00:04	108-88-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-26 **Lab ID: 40189978011** Collected: 06/21/19 08:20 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Trichloroethene	**125**	ug/L	10.0	2.6	10		06/27/19 00:04	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		06/27/19 00:04	75-69-4	
Vinyl chloride	**229**	ug/L	10.0	1.7	10		06/27/19 00:04	75-01-4	
cis-1,2-Dichloroethene	**1400**	ug/L	10.0	2.7	10		06/27/19 00:04	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		06/27/19 00:04	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		06/27/19 00:04	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		06/27/19 00:04	104-51-8	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		06/27/19 00:04	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		06/27/19 00:04	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		06/27/19 00:04	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		06/27/19 00:04	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		06/27/19 00:04	98-06-6	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		06/27/19 00:04	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		06/27/19 00:04	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		10		06/27/19 00:04	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		10		06/27/19 00:04	1868-53-7	
Toluene-d8 (S)	106	%	70-130		10		06/27/19 00:04	2037-26-5	

Sample: MW-6A **Lab ID: 40189978012** Collected: 06/21/19 08:58 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/27/19 09:48	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/27/19 09:48	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/27/19 09:48	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/27/19 09:48	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/27/19 09:48	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/27/19 09:48	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/27/19 09:48	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/27/19 09:48	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/27/19 09:48	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/27/19 09:48	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/27/19 09:48	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/27/19 09:48	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/27/19 09:48	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/27/19 09:48	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/27/19 09:48	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/27/19 09:48	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/27/19 09:48	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/27/19 09:48	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/27/19 09:48	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/27/19 09:48	106-46-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: MW-6A **Lab ID: 40189978012** Collected: 06/21/19 08:58 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/27/19 09:48	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/27/19 09:48	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/27/19 09:48	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/27/19 09:48	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/27/19 09:48	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/27/19 09:48	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/27/19 09:48	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/27/19 09:48	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/27/19 09:48	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/27/19 09:48	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/27/19 09:48	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/27/19 09:48	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/27/19 09:48	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/27/19 09:48	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/27/19 09:48	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/27/19 09:48	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/27/19 09:48	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/27/19 09:48	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/27/19 09:48	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/27/19 09:48	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/27/19 09:48	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/27/19 09:48	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/27/19 09:48	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/27/19 09:48	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/27/19 09:48	100-42-5	
Tetrachloroethene	**1.6**	ug/L	1.1	0.33	1		06/27/19 09:48	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/27/19 09:48	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/27/19 09:48	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/27/19 09:48	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/27/19 09:48	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		06/27/19 09:48	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/27/19 09:48	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/27/19 09:48	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/27/19 09:48	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/27/19 09:48	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/27/19 09:48	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/27/19 09:48	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/27/19 09:48	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/27/19 09:48	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/27/19 09:48	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/27/19 09:48	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		06/27/19 09:48	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		06/27/19 09:48	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		06/27/19 09:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: MW-6 **Lab ID: 40189978013** Collected: 06/21/19 09:38 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<1.3**	ug/L	5.0	1.3	5		06/27/19 10:33	630-20-6	
1,1,1-Trichloroethane	**<1.2**	ug/L	5.0	1.2	5		06/27/19 10:33	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.4**	ug/L	5.0	1.4	5		06/27/19 10:33	79-34-5	
1,1,2-Trichloroethane	**<2.8**	ug/L	25.0	2.8	5		06/27/19 10:33	79-00-5	
1,1-Dichloroethane	**2.0J**	ug/L	5.0	1.4	5		06/27/19 10:33	75-34-3	
1,1-Dichloroethene	**<1.2**	ug/L	5.0	1.2	5		06/27/19 10:33	75-35-4	
1,1-Dichloropropene	**<2.7**	ug/L	9.0	2.7	5		06/27/19 10:33	563-58-6	
1,2,3-Trichlorobenzene	**<3.1**	ug/L	25.0	3.1	5		06/27/19 10:33	87-61-6	
1,2,3-Trichloropropane	**<3.0**	ug/L	25.0	3.0	5		06/27/19 10:33	96-18-4	
1,2,4-Trichlorobenzene	**<4.8**	ug/L	25.0	4.8	5		06/27/19 10:33	120-82-1	
1,2,4-Trimethylbenzene	**<4.2**	ug/L	14.0	4.2	5		06/27/19 10:33	95-63-6	
1,2-Dibromo-3-chloropropane	**<8.8**	ug/L	29.4	8.8	5		06/27/19 10:33	96-12-8	
1,2-Dibromoethane (EDB)	**<4.1**	ug/L	13.8	4.1	5		06/27/19 10:33	106-93-4	
1,2-Dichlorobenzene	**<3.5**	ug/L	11.8	3.5	5		06/27/19 10:33	95-50-1	
1,2-Dichloroethane	**<1.4**	ug/L	5.0	1.4	5		06/27/19 10:33	107-06-2	
1,2-Dichloropropane	**<1.4**	ug/L	5.0	1.4	5		06/27/19 10:33	78-87-5	
1,3,5-Trimethylbenzene	**<4.4**	ug/L	14.6	4.4	5		06/27/19 10:33	108-67-8	
1,3-Dichlorobenzene	**<3.1**	ug/L	10.5	3.1	5		06/27/19 10:33	541-73-1	
1,3-Dichloropropane	**<4.1**	ug/L	13.8	4.1	5		06/27/19 10:33	142-28-9	
1,4-Dichlorobenzene	**<4.7**	ug/L	15.7	4.7	5		06/27/19 10:33	106-46-7	
2,2-Dichloropropane	**<11.3**	ug/L	37.8	11.3	5		06/27/19 10:33	594-20-7	
2-Chlorotoluene	**<4.6**	ug/L	25.0	4.6	5		06/27/19 10:33	95-49-8	
4-Chlorotoluene	**<3.8**	ug/L	12.6	3.8	5		06/27/19 10:33	106-43-4	
Benzene	**<1.2**	ug/L	5.0	1.2	5		06/27/19 10:33	71-43-2	
Bromobenzene	**<1.2**	ug/L	5.0	1.2	5		06/27/19 10:33	108-86-1	
Bromochloromethane	**<1.8**	ug/L	25.0	1.8	5		06/27/19 10:33	74-97-5	
Bromodichloromethane	**<1.8**	ug/L	6.1	1.8	5		06/27/19 10:33	75-27-4	
Bromoform	**<19.9**	ug/L	66.2	19.9	5		06/27/19 10:33	75-25-2	
Bromomethane	**<4.9**	ug/L	25.0	4.9	5		06/27/19 10:33	74-83-9	
Carbon tetrachloride	**<0.83**	ug/L	5.0	0.83	5		06/27/19 10:33	56-23-5	
Chlorobenzene	**<3.6**	ug/L	11.8	3.6	5		06/27/19 10:33	108-90-7	
Chloroethane	**<6.7**	ug/L	25.0	6.7	5		06/27/19 10:33	75-00-3	
Chloroform	**<6.4**	ug/L	25.0	6.4	5		06/27/19 10:33	67-66-3	
Chloromethane	**<10.9**	ug/L	36.5	10.9	5		06/27/19 10:33	74-87-3	
Dibromochloromethane	**<13.0**	ug/L	43.4	13.0	5		06/27/19 10:33	124-48-1	
Dibromomethane	**<4.7**	ug/L	15.6	4.7	5		06/27/19 10:33	74-95-3	
Dichlorodifluoromethane	**<2.5**	ug/L	25.0	2.5	5		06/27/19 10:33	75-71-8	
Diisopropyl ether	**<9.4**	ug/L	31.5	9.4	5		06/27/19 10:33	108-20-3	
Ethylbenzene	**<1.1**	ug/L	5.0	1.1	5		06/27/19 10:33	100-41-4	
Hexachloro-1,3-butadiene	**<5.9**	ug/L	25.0	5.9	5		06/27/19 10:33	87-68-3	
Isopropylbenzene (Cumene)	**<2.0**	ug/L	25.0	2.0	5		06/27/19 10:33	98-82-8	
Methyl-tert-butyl ether	**<6.2**	ug/L	20.8	6.2	5		06/27/19 10:33	1634-04-4	
Methylene Chloride	**<2.9**	ug/L	25.0	2.9	5		06/27/19 10:33	75-09-2	
Naphthalene	**<5.9**	ug/L	25.0	5.9	5		06/27/19 10:33	91-20-3	
Styrene	**<2.3**	ug/L	7.8	2.3	5		06/27/19 10:33	100-42-5	
Tetrachloroethene	**<1.6**	ug/L	5.4	1.6	5		06/27/19 10:33	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: MW-6 **Lab ID: 40189978013** Collected: 06/21/19 09:38 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.86**	ug/L	25.0	0.86	5		06/27/19 10:33	108-88-3	
Trichloroethene	**42.5**	ug/L	5.0	1.3	5		06/27/19 10:33	79-01-6	
Trichlorofluoromethane	**<1.1**	ug/L	5.0	1.1	5		06/27/19 10:33	75-69-4	
Vinyl chloride	**46.2**	ug/L	5.0	0.87	5		06/27/19 10:33	75-01-4	
cis-1,2-Dichloroethene	**458**	ug/L	5.0	1.4	5		06/27/19 10:33	156-59-2	
cis-1,3-Dichloropropene	**<18.1**	ug/L	60.5	18.1	5		06/27/19 10:33	10061-01-5	
m&p-Xylene	**<2.3**	ug/L	10.0	2.3	5		06/27/19 10:33	179601-23-1	
n-Butylbenzene	**<3.5**	ug/L	11.8	3.5	5		06/27/19 10:33	104-51-8	
n-Propylbenzene	**<4.1**	ug/L	25.0	4.1	5		06/27/19 10:33	103-65-1	
o-Xylene	**<1.3**	ug/L	5.0	1.3	5		06/27/19 10:33	95-47-6	
p-Isopropyltoluene	**<4.0**	ug/L	13.3	4.0	5		06/27/19 10:33	99-87-6	
sec-Butylbenzene	**<4.2**	ug/L	25.0	4.2	5		06/27/19 10:33	135-98-8	
tert-Butylbenzene	**<1.5**	ug/L	5.1	1.5	5		06/27/19 10:33	98-06-6	
trans-1,2-Dichloroethene	**<5.5**	ug/L	18.2	5.5	5		06/27/19 10:33	156-60-5	
trans-1,3-Dichloropropene	**<21.9**	ug/L	72.8	21.9	5		06/27/19 10:33	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		5		06/27/19 10:33	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		5		06/27/19 10:33	1868-53-7	
Toluene-d8 (S)	106	%	70-130		5		06/27/19 10:33	2037-26-5	

Sample: RW-6 **Lab ID: 40189978014** Collected: 06/21/19 10:14 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		06/27/19 01:11	630-20-6	
1,1,1-Trichloroethane	**<2.4**	ug/L	10.0	2.4	10		06/27/19 01:11	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		06/27/19 01:11	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		06/27/19 01:11	79-00-5	
1,1-Dichloroethane	**<2.7**	ug/L	10.0	2.7	10		06/27/19 01:11	75-34-3	
1,1-Dichloroethene	**<2.4**	ug/L	10.0	2.4	10		06/27/19 01:11	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		06/27/19 01:11	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		06/27/19 01:11	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		06/27/19 01:11	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		06/27/19 01:11	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		06/27/19 01:11	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		06/27/19 01:11	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		06/27/19 01:11	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		06/27/19 01:11	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		06/27/19 01:11	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		06/27/19 01:11	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		06/27/19 01:11	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		06/27/19 01:11	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		06/27/19 01:11	142-28-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-6 **Lab ID: 40189978014** Collected: 06/21/19 10:14 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		06/27/19 01:11	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		06/27/19 01:11	594-20-7	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		06/27/19 01:11	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		06/27/19 01:11	106-43-4	
Benzene	**<2.5**	ug/L	10.0	2.5	10		06/27/19 01:11	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		06/27/19 01:11	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		06/27/19 01:11	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		06/27/19 01:11	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		06/27/19 01:11	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		06/27/19 01:11	74-83-9	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		06/27/19 01:11	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		06/27/19 01:11	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		06/27/19 01:11	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		06/27/19 01:11	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		06/27/19 01:11	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		06/27/19 01:11	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		06/27/19 01:11	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		06/27/19 01:11	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		06/27/19 01:11	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		06/27/19 01:11	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		06/27/19 01:11	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		06/27/19 01:11	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/27/19 01:11	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		06/27/19 01:11	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		06/27/19 01:11	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		06/27/19 01:11	100-42-5	
Tetrachloroethene	**<3.3**	ug/L	10.9	3.3	10		06/27/19 01:11	127-18-4	
Toluene	**<1.7**	ug/L	50.0	1.7	10		06/27/19 01:11	108-88-3	
Trichloroethene	**118**	ug/L	10.0	2.6	10		06/27/19 01:11	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		06/27/19 01:11	75-69-4	
Vinyl chloride	**16.7**	ug/L	10.0	1.7	10		06/27/19 01:11	75-01-4	
cis-1,2-Dichloroethene	**407**	ug/L	10.0	2.7	10		06/27/19 01:11	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		06/27/19 01:11	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		06/27/19 01:11	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		06/27/19 01:11	104-51-8	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		06/27/19 01:11	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		06/27/19 01:11	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		06/27/19 01:11	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		06/27/19 01:11	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		06/27/19 01:11	98-06-6	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		06/27/19 01:11	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		06/27/19 01:11	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		10		06/27/19 01:11	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		10		06/27/19 01:11	1868-53-7	
Toluene-d8 (S)	106	%	70-130		10		06/27/19 01:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: OP-4 **Lab ID: 40189978015** Collected: 06/21/19 10:53 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.54**	ug/L	2.0	0.54	2		06/27/19 10:55	630-20-6	
1,1,1-Trichloroethane	**186**	ug/L	2.0	0.49	2		06/27/19 10:55	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.55**	ug/L	2.0	0.55	2		06/27/19 10:55	79-34-5	
1,1,2-Trichloroethane	**<1.1**	ug/L	10.0	1.1	2		06/27/19 10:55	79-00-5	
1,1-Dichloroethane	**28.2**	ug/L	2.0	0.55	2		06/27/19 10:55	75-34-3	
1,1-Dichloroethene	**14.3**	ug/L	2.0	0.49	2		06/27/19 10:55	75-35-4	
1,1-Dichloropropene	**<1.1**	ug/L	3.6	1.1	2		06/27/19 10:55	563-58-6	
1,2,3-Trichlorobenzene	**<1.3**	ug/L	10.0	1.3	2		06/27/19 10:55	87-61-6	
1,2,3-Trichloropropane	**<1.2**	ug/L	10.0	1.2	2		06/27/19 10:55	96-18-4	
1,2,4-Trichlorobenzene	**<1.9**	ug/L	10.0	1.9	2		06/27/19 10:55	120-82-1	
1,2,4-Trimethylbenzene	**<1.7**	ug/L	5.6	1.7	2		06/27/19 10:55	95-63-6	
1,2-Dibromo-3-chloropropane	**<3.5**	ug/L	11.8	3.5	2		06/27/19 10:55	96-12-8	
1,2-Dibromoethane (EDB)	**<1.7**	ug/L	5.5	1.7	2		06/27/19 10:55	106-93-4	
1,2-Dichlorobenzene	**<1.4**	ug/L	4.7	1.4	2		06/27/19 10:55	95-50-1	
1,2-Dichloroethane	**<0.56**	ug/L	2.0	0.56	2		06/27/19 10:55	107-06-2	
1,2-Dichloropropane	**<0.57**	ug/L	2.0	0.57	2		06/27/19 10:55	78-87-5	
1,3,5-Trimethylbenzene	**<1.7**	ug/L	5.8	1.7	2		06/27/19 10:55	108-67-8	
1,3-Dichlorobenzene	**<1.3**	ug/L	4.2	1.3	2		06/27/19 10:55	541-73-1	
1,3-Dichloropropane	**<1.7**	ug/L	5.5	1.7	2		06/27/19 10:55	142-28-9	
1,4-Dichlorobenzene	**<1.9**	ug/L	6.3	1.9	2		06/27/19 10:55	106-46-7	
2,2-Dichloropropane	**<4.5**	ug/L	15.1	4.5	2		06/27/19 10:55	594-20-7	
2-Chlorotoluene	**<1.9**	ug/L	10.0	1.9	2		06/27/19 10:55	95-49-8	
4-Chlorotoluene	**<1.5**	ug/L	5.0	1.5	2		06/27/19 10:55	106-43-4	
Benzene	**<0.49**	ug/L	2.0	0.49	2		06/27/19 10:55	71-43-2	
Bromobenzene	**<0.48**	ug/L	2.0	0.48	2		06/27/19 10:55	108-86-1	
Bromochloromethane	**<0.72**	ug/L	10.0	0.72	2		06/27/19 10:55	74-97-5	
Bromodichloromethane	**<0.73**	ug/L	2.4	0.73	2		06/27/19 10:55	75-27-4	
Bromoform	**<7.9**	ug/L	26.5	7.9	2		06/27/19 10:55	75-25-2	
Bromomethane	**<1.9**	ug/L	10.0	1.9	2		06/27/19 10:55	74-83-9	
Carbon tetrachloride	**<0.33**	ug/L	2.0	0.33	2		06/27/19 10:55	56-23-5	
Chlorobenzene	**<1.4**	ug/L	4.7	1.4	2		06/27/19 10:55	108-90-7	
Chloroethane	**<2.7**	ug/L	10.0	2.7	2		06/27/19 10:55	75-00-3	
Chloroform	**<2.5**	ug/L	10.0	2.5	2		06/27/19 10:55	67-66-3	
Chloromethane	**<4.4**	ug/L	14.6	4.4	2		06/27/19 10:55	74-87-3	
Dibromochloromethane	**<5.2**	ug/L	17.3	5.2	2		06/27/19 10:55	124-48-1	
Dibromomethane	**<1.9**	ug/L	6.2	1.9	2		06/27/19 10:55	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	10.0	1.0	2		06/27/19 10:55	75-71-8	
Diisopropyl ether	**<3.8**	ug/L	12.6	3.8	2		06/27/19 10:55	108-20-3	
Ethylbenzene	**<0.44**	ug/L	2.0	0.44	2		06/27/19 10:55	100-41-4	
Hexachloro-1,3-butadiene	**<2.4**	ug/L	10.0	2.4	2		06/27/19 10:55	87-68-3	
Isopropylbenzene (Cumene)	**<0.79**	ug/L	10.0	0.79	2		06/27/19 10:55	98-82-8	
Methyl-tert-butyl ether	**<2.5**	ug/L	8.3	2.5	2		06/27/19 10:55	1634-04-4	
Methylene Chloride	**<1.2**	ug/L	10.0	1.2	2		06/27/19 10:55	75-09-2	
Naphthalene	**<2.4**	ug/L	10.0	2.4	2		06/27/19 10:55	91-20-3	
Styrene	**<0.93**	ug/L	3.1	0.93	2		06/27/19 10:55	100-42-5	
Tetrachloroethene	**1.4J**	ug/L	2.2	0.65	2		06/27/19 10:55	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: OP-4 **Lab ID: 40189978015** Collected: 06/21/19 10:53 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.34**	ug/L	10.0	0.34	2		06/27/19 10:55	108-88-3	
Trichloroethene	**175**	ug/L	2.0	0.51	2		06/27/19 10:55	79-01-6	
Trichlorofluoromethane	**<0.43**	ug/L	2.0	0.43	2		06/27/19 10:55	75-69-4	
Vinyl chloride	**<0.35**	ug/L	2.0	0.35	2		06/27/19 10:55	75-01-4	
cis-1,2-Dichloroethene	**47.4**	ug/L	2.0	0.54	2		06/27/19 10:55	156-59-2	
cis-1,3-Dichloropropene	**<7.3**	ug/L	24.2	7.3	2		06/27/19 10:55	10061-01-5	
m&p-Xylene	**<0.93**	ug/L	4.0	0.93	2		06/27/19 10:55	179601-23-1	
n-Butylbenzene	**<1.4**	ug/L	4.7	1.4	2		06/27/19 10:55	104-51-8	
n-Propylbenzene	**<1.6**	ug/L	10.0	1.6	2		06/27/19 10:55	103-65-1	
o-Xylene	**<0.52**	ug/L	2.0	0.52	2		06/27/19 10:55	95-47-6	
p-Isopropyltoluene	**<1.6**	ug/L	5.3	1.6	2		06/27/19 10:55	99-87-6	
sec-Butylbenzene	**<1.7**	ug/L	10.0	1.7	2		06/27/19 10:55	135-98-8	
tert-Butylbenzene	**<0.61**	ug/L	2.0	0.61	2		06/27/19 10:55	98-06-6	
trans-1,2-Dichloroethene	**<2.2**	ug/L	7.3	2.2	2		06/27/19 10:55	156-60-5	
trans-1,3-Dichloropropene	**<8.7**	ug/L	29.1	8.7	2		06/27/19 10:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		2		06/27/19 10:55	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		2		06/27/19 10:55	1868-53-7	
Toluene-d8 (S)	106	%	70-130		2		06/27/19 10:55	2037-26-5	

Sample: RW-25 **Lab ID: 40189978016** Collected: 06/21/19 11:35 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/27/19 10:11	630-20-6	
1,1,1-Trichloroethane	**49.9**	ug/L	1.0	0.24	1		06/27/19 10:11	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/27/19 10:11	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/27/19 10:11	79-00-5	
1,1-Dichloroethane	**17.5**	ug/L	1.0	0.27	1		06/27/19 10:11	75-34-3	
1,1-Dichloroethene	**3.3**	ug/L	1.0	0.24	1		06/27/19 10:11	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/27/19 10:11	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/27/19 10:11	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/27/19 10:11	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/27/19 10:11	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/27/19 10:11	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/27/19 10:11	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/27/19 10:11	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/27/19 10:11	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/27/19 10:11	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/27/19 10:11	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/27/19 10:11	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/27/19 10:11	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/27/19 10:11	142-28-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-25 **Lab ID: 40189978016** Collected: 06/21/19 11:35 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/27/19 10:11	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/27/19 10:11	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/27/19 10:11	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/27/19 10:11	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/27/19 10:11	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/27/19 10:11	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/27/19 10:11	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/27/19 10:11	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/27/19 10:11	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/27/19 10:11	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/27/19 10:11	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/27/19 10:11	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/27/19 10:11	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/27/19 10:11	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/27/19 10:11	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/27/19 10:11	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/27/19 10:11	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/27/19 10:11	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/27/19 10:11	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/27/19 10:11	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/27/19 10:11	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/27/19 10:11	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/27/19 10:11	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/27/19 10:11	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/27/19 10:11	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/27/19 10:11	100-42-5	
Tetrachloroethene	**0.89J**	ug/L	1.1	0.33	1		06/27/19 10:11	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/27/19 10:11	108-88-3	
Trichloroethene	**30.8**	ug/L	1.0	0.26	1		06/27/19 10:11	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/27/19 10:11	75-69-4	
Vinyl chloride	**0.68J**	ug/L	1.0	0.17	1		06/27/19 10:11	75-01-4	
cis-1,2-Dichloroethene	**59.8**	ug/L	1.0	0.27	1		06/27/19 10:11	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/27/19 10:11	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/27/19 10:11	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/27/19 10:11	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/27/19 10:11	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/27/19 10:11	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/27/19 10:11	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/27/19 10:11	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/27/19 10:11	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/27/19 10:11	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/27/19 10:11	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/27/19 10:11	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		06/27/19 10:11	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		06/27/19 10:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-5 **Lab ID: 40189978017** Collected: 06/21/19 12:24 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		06/27/19 02:19	630-20-6	
1,1,1-Trichloroethane	**290**	ug/L	10.0	2.4	10		06/27/19 02:19	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		06/27/19 02:19	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		06/27/19 02:19	79-00-5	
1,1-Dichloroethane	**33.8**	ug/L	10.0	2.7	10		06/27/19 02:19	75-34-3	
1,1-Dichloroethene	**12.0**	ug/L	10.0	2.4	10		06/27/19 02:19	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		06/27/19 02:19	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		06/27/19 02:19	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		06/27/19 02:19	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		06/27/19 02:19	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		06/27/19 02:19	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		06/27/19 02:19	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		06/27/19 02:19	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		06/27/19 02:19	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		06/27/19 02:19	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		06/27/19 02:19	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		06/27/19 02:19	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		06/27/19 02:19	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		06/27/19 02:19	142-28-9	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		06/27/19 02:19	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		06/27/19 02:19	594-20-7	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		06/27/19 02:19	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		06/27/19 02:19	106-43-4	
Benzene	**<2.5**	ug/L	10.0	2.5	10		06/27/19 02:19	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		06/27/19 02:19	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		06/27/19 02:19	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		06/27/19 02:19	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		06/27/19 02:19	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		06/27/19 02:19	74-83-9	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		06/27/19 02:19	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		06/27/19 02:19	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		06/27/19 02:19	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		06/27/19 02:19	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		06/27/19 02:19	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		06/27/19 02:19	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		06/27/19 02:19	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		06/27/19 02:19	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		06/27/19 02:19	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		06/27/19 02:19	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		06/27/19 02:19	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		06/27/19 02:19	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/27/19 02:19	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		06/27/19 02:19	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		06/27/19 02:19	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		06/27/19 02:19	100-42-5	
Tetrachloroethene	**<3.3**	ug/L	10.9	3.3	10		06/27/19 02:19	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-5 **Lab ID: 40189978017** Collected: 06/21/19 12:24 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<1.7**	ug/L	50.0	1.7	10		06/27/19 02:19	108-88-3	
Trichloroethene	**520**	ug/L	10.0	2.6	10		06/27/19 02:19	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		06/27/19 02:19	75-69-4	
Vinyl chloride	**24.3**	ug/L	10.0	1.7	10		06/27/19 02:19	75-01-4	
cis-1,2-Dichloroethene	**1600**	ug/L	10.0	2.7	10		06/27/19 02:19	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		06/27/19 02:19	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		06/27/19 02:19	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		06/27/19 02:19	104-51-8	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		06/27/19 02:19	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		06/27/19 02:19	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		06/27/19 02:19	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		06/27/19 02:19	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		06/27/19 02:19	98-06-6	
trans-1,2-Dichloroethene	**16.6J**	ug/L	36.4	10.9	10		06/27/19 02:19	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		06/27/19 02:19	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		10		06/27/19 02:19	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		10		06/27/19 02:19	1868-53-7	
Toluene-d8 (S)	106	%	70-130		10		06/27/19 02:19	2037-26-5	

Sample: DUP-6 **Lab ID: 40189978018** Collected: 06/21/19 00:00 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.54**	ug/L	2.0	0.54	2		06/28/19 10:08	630-20-6	
1,1,1-Trichloroethane	**139**	ug/L	2.0	0.49	2		06/28/19 10:08	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.55**	ug/L	2.0	0.55	2		06/28/19 10:08	79-34-5	
1,1,2-Trichloroethane	**<1.1**	ug/L	10.0	1.1	2		06/28/19 10:08	79-00-5	
1,1-Dichloroethane	**27.7**	ug/L	2.0	0.55	2		06/28/19 10:08	75-34-3	
1,1-Dichloroethene	**6.2**	ug/L	2.0	0.49	2		06/28/19 10:08	75-35-4	
1,1-Dichloropropene	**<1.1**	ug/L	3.6	1.1	2		06/28/19 10:08	563-58-6	
1,2,3-Trichlorobenzene	**<1.3**	ug/L	10.0	1.3	2		06/28/19 10:08	87-61-6	
1,2,3-Trichloropropane	**<1.2**	ug/L	10.0	1.2	2		06/28/19 10:08	96-18-4	
1,2,4-Trichlorobenzene	**<1.9**	ug/L	10.0	1.9	2		06/28/19 10:08	120-82-1	
1,2,4-Trimethylbenzene	**<1.7**	ug/L	5.6	1.7	2		06/28/19 10:08	95-63-6	
1,2-Dibromo-3-chloropropane	**<3.5**	ug/L	11.8	3.5	2		06/28/19 10:08	96-12-8	
1,2-Dibromoethane (EDB)	**<1.7**	ug/L	5.5	1.7	2		06/28/19 10:08	106-93-4	
1,2-Dichlorobenzene	**<1.4**	ug/L	4.7	1.4	2		06/28/19 10:08	95-50-1	
1,2-Dichloroethane	**<0.56**	ug/L	2.0	0.56	2		06/28/19 10:08	107-06-2	
1,2-Dichloropropane	**<0.57**	ug/L	2.0	0.57	2		06/28/19 10:08	78-87-5	
1,3,5-Trimethylbenzene	**<1.7**	ug/L	5.8	1.7	2		06/28/19 10:08	108-67-8	
1,3-Dichlorobenzene	**<1.3**	ug/L	4.2	1.3	2		06/28/19 10:08	541-73-1	
1,3-Dichloropropane	**<1.7**	ug/L	5.5	1.7	2		06/28/19 10:08	142-28-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: DUP-6 **Lab ID: 40189978018** Collected: 06/21/19 00:00 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<1.9**	ug/L	6.3	1.9	2		06/28/19 10:08	106-46-7	
2,2-Dichloropropane	**<4.5**	ug/L	15.1	4.5	2		06/28/19 10:08	594-20-7	
2-Chlorotoluene	**<1.9**	ug/L	10.0	1.9	2		06/28/19 10:08	95-49-8	
4-Chlorotoluene	**<1.5**	ug/L	5.0	1.5	2		06/28/19 10:08	106-43-4	
Benzene	**<0.49**	ug/L	2.0	0.49	2		06/28/19 10:08	71-43-2	
Bromobenzene	**<0.48**	ug/L	2.0	0.48	2		06/28/19 10:08	108-86-1	
Bromochloromethane	**<0.72**	ug/L	10.0	0.72	2		06/28/19 10:08	74-97-5	
Bromodichloromethane	**<0.73**	ug/L	2.4	0.73	2		06/28/19 10:08	75-27-4	
Bromoform	**<7.9**	ug/L	26.5	7.9	2		06/28/19 10:08	75-25-2	
Bromomethane	**<1.9**	ug/L	10.0	1.9	2		06/28/19 10:08	74-83-9	
Carbon tetrachloride	**<0.33**	ug/L	2.0	0.33	2		06/28/19 10:08	56-23-5	
Chlorobenzene	**<1.4**	ug/L	4.7	1.4	2		06/28/19 10:08	108-90-7	
Chloroethane	**<2.7**	ug/L	10.0	2.7	2		06/28/19 10:08	75-00-3	
Chloroform	**<2.5**	ug/L	10.0	2.5	2		06/28/19 10:08	67-66-3	
Chloromethane	**<4.4**	ug/L	14.6	4.4	2		06/28/19 10:08	74-87-3	
Dibromochloromethane	**<5.2**	ug/L	17.3	5.2	2		06/28/19 10:08	124-48-1	
Dibromomethane	**<1.9**	ug/L	6.2	1.9	2		06/28/19 10:08	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	10.0	1.0	2		06/28/19 10:08	75-71-8	
Diisopropyl ether	**<3.8**	ug/L	12.6	3.8	2		06/28/19 10:08	108-20-3	
Ethylbenzene	**<0.44**	ug/L	2.0	0.44	2		06/28/19 10:08	100-41-4	
Hexachloro-1,3-butadiene	**<2.4**	ug/L	10.0	2.4	2		06/28/19 10:08	87-68-3	
Isopropylbenzene (Cumene)	**<0.79**	ug/L	10.0	0.79	2		06/28/19 10:08	98-82-8	
Methyl-tert-butyl ether	**<2.5**	ug/L	8.3	2.5	2		06/28/19 10:08	1634-04-4	
Methylene Chloride	**<1.2**	ug/L	10.0	1.2	2		06/28/19 10:08	75-09-2	
Naphthalene	**<2.4**	ug/L	10.0	2.4	2		06/28/19 10:08	91-20-3	
Styrene	**<0.93**	ug/L	3.1	0.93	2		06/28/19 10:08	100-42-5	
Tetrachloroethene	**0.98J**	ug/L	2.2	0.65	2		06/28/19 10:08	127-18-4	
Toluene	**<0.34**	ug/L	10.0	0.34	2		06/28/19 10:08	108-88-3	
Trichloroethene	**130**	ug/L	2.0	0.51	2		06/28/19 10:08	79-01-6	
Trichlorofluoromethane	**<0.43**	ug/L	2.0	0.43	2		06/28/19 10:08	75-69-4	
Vinyl chloride	**2.0J**	ug/L	2.0	0.35	2		06/28/19 10:08	75-01-4	
cis-1,2-Dichloroethene	**165**	ug/L	2.0	0.54	2		06/28/19 10:08	156-59-2	
cis-1,3-Dichloropropene	**<7.3**	ug/L	24.2	7.3	2		06/28/19 10:08	10061-01-5	
m&p-Xylene	**<0.93**	ug/L	4.0	0.93	2		06/28/19 10:08	179601-23-1	
n-Butylbenzene	**<1.4**	ug/L	4.7	1.4	2		06/28/19 10:08	104-51-8	
n-Propylbenzene	**<1.6**	ug/L	10.0	1.6	2		06/28/19 10:08	103-65-1	
o-Xylene	**<0.52**	ug/L	2.0	0.52	2		06/28/19 10:08	95-47-6	
p-Isopropyltoluene	**<1.6**	ug/L	5.3	1.6	2		06/28/19 10:08	99-87-6	
sec-Butylbenzene	**<1.7**	ug/L	10.0	1.7	2		06/28/19 10:08	135-98-8	
tert-Butylbenzene	**<0.61**	ug/L	2.0	0.61	2		06/28/19 10:08	98-06-6	
trans-1,2-Dichloroethene	**<2.2**	ug/L	7.3	2.2	2		06/28/19 10:08	156-60-5	
trans-1,3-Dichloropropene	**<8.7**	ug/L	29.1	8.7	2		06/28/19 10:08	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		2		06/28/19 10:08	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		2		06/28/19 10:08	1868-53-7	
Toluene-d8 (S)	101	%	70-130		2		06/28/19 10:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: OP-5 **Lab ID: 40189978019** Collected: 06/21/19 12:55 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<2.7**	ug/L	10.0	2.7	10		06/27/19 12:40	630-20-6	
1,1,1-Trichloroethane	**<2.4**	ug/L	10.0	2.4	10		06/27/19 12:40	71-55-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/L	10.0	2.8	10		06/27/19 12:40	79-34-5	
1,1,2-Trichloroethane	**<5.5**	ug/L	50.0	5.5	10		06/27/19 12:40	79-00-5	
1,1-Dichloroethane	**6.6J**	ug/L	10.0	2.7	10		06/27/19 12:40	75-34-3	
1,1-Dichloroethene	**3.7J**	ug/L	10.0	2.4	10		06/27/19 12:40	75-35-4	
1,1-Dichloropropene	**<5.4**	ug/L	18.0	5.4	10		06/27/19 12:40	563-58-6	
1,2,3-Trichlorobenzene	**<6.3**	ug/L	50.0	6.3	10		06/27/19 12:40	87-61-6	
1,2,3-Trichloropropane	**<5.9**	ug/L	50.0	5.9	10		06/27/19 12:40	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		06/27/19 12:40	120-82-1	
1,2,4-Trimethylbenzene	**<8.4**	ug/L	28.0	8.4	10		06/27/19 12:40	95-63-6	
1,2-Dibromo-3-chloropropane	**<17.6**	ug/L	58.8	17.6	10		06/27/19 12:40	96-12-8	
1,2-Dibromoethane (EDB)	**<8.3**	ug/L	27.6	8.3	10		06/27/19 12:40	106-93-4	
1,2-Dichlorobenzene	**<7.1**	ug/L	23.5	7.1	10		06/27/19 12:40	95-50-1	
1,2-Dichloroethane	**<2.8**	ug/L	10.0	2.8	10		06/27/19 12:40	107-06-2	
1,2-Dichloropropane	**<2.8**	ug/L	10.0	2.8	10		06/27/19 12:40	78-87-5	
1,3,5-Trimethylbenzene	**<8.7**	ug/L	29.1	8.7	10		06/27/19 12:40	108-67-8	
1,3-Dichlorobenzene	**<6.3**	ug/L	20.9	6.3	10		06/27/19 12:40	541-73-1	
1,3-Dichloropropane	**<8.3**	ug/L	27.5	8.3	10		06/27/19 12:40	142-28-9	
1,4-Dichlorobenzene	**<9.4**	ug/L	31.5	9.4	10		06/27/19 12:40	106-46-7	
2,2-Dichloropropane	**<22.7**	ug/L	75.5	22.7	10		06/27/19 12:40	594-20-7	
2-Chlorotoluene	**<9.3**	ug/L	50.0	9.3	10		06/27/19 12:40	95-49-8	
4-Chlorotoluene	**<7.6**	ug/L	25.2	7.6	10		06/27/19 12:40	106-43-4	
Benzene	**<2.5**	ug/L	10.0	2.5	10		06/27/19 12:40	71-43-2	
Bromobenzene	**<2.4**	ug/L	10.0	2.4	10		06/27/19 12:40	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		06/27/19 12:40	74-97-5	
Bromodichloromethane	**<3.6**	ug/L	12.1	3.6	10		06/27/19 12:40	75-27-4	
Bromoform	**<39.7**	ug/L	132	39.7	10		06/27/19 12:40	75-25-2	
Bromomethane	**<9.7**	ug/L	50.0	9.7	10		06/27/19 12:40	74-83-9	
Carbon tetrachloride	**<1.7**	ug/L	10.0	1.7	10		06/27/19 12:40	56-23-5	
Chlorobenzene	**<7.1**	ug/L	23.7	7.1	10		06/27/19 12:40	108-90-7	
Chloroethane	**<13.4**	ug/L	50.0	13.4	10		06/27/19 12:40	75-00-3	
Chloroform	**<12.7**	ug/L	50.0	12.7	10		06/27/19 12:40	67-66-3	
Chloromethane	**<21.9**	ug/L	73.0	21.9	10		06/27/19 12:40	74-87-3	
Dibromochloromethane	**<26.0**	ug/L	86.7	26.0	10		06/27/19 12:40	124-48-1	
Dibromomethane	**<9.4**	ug/L	31.2	9.4	10		06/27/19 12:40	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	50.0	5.0	10		06/27/19 12:40	75-71-8	
Diisopropyl ether	**<18.9**	ug/L	62.9	18.9	10		06/27/19 12:40	108-20-3	
Ethylbenzene	**<2.2**	ug/L	10.0	2.2	10		06/27/19 12:40	100-41-4	
Hexachloro-1,3-butadiene	**<11.8**	ug/L	50.0	11.8	10		06/27/19 12:40	87-68-3	
Isopropylbenzene (Cumene)	**<3.9**	ug/L	50.0	3.9	10		06/27/19 12:40	98-82-8	
Methyl-tert-butyl ether	**<12.5**	ug/L	41.5	12.5	10		06/27/19 12:40	1634-04-4	
Methylene Chloride	**<5.8**	ug/L	50.0	5.8	10		06/27/19 12:40	75-09-2	
Naphthalene	**<11.8**	ug/L	50.0	11.8	10		06/27/19 12:40	91-20-3	
Styrene	**<4.7**	ug/L	15.5	4.7	10		06/27/19 12:40	100-42-5	
Tetrachloroethene	**<3.3**	ug/L	10.9	3.3	10		06/27/19 12:40	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: OP-5 **Lab ID: 40189978019** Collected: 06/21/19 12:55 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<1.7**	ug/L	50.0	1.7	10		06/27/19 12:40	108-88-3	
Trichloroethene	**476**	ug/L	10.0	2.6	10		06/27/19 12:40	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	10.0	2.1	10		06/27/19 12:40	75-69-4	
Vinyl chloride	**44.8**	ug/L	10.0	1.7	10		06/27/19 12:40	75-01-4	
cis-1,2-Dichloroethene	**607**	ug/L	10.0	2.7	10		06/27/19 12:40	156-59-2	
cis-1,3-Dichloropropene	**<36.3**	ug/L	121	36.3	10		06/27/19 12:40	10061-01-5	
m&p-Xylene	**<4.7**	ug/L	20.0	4.7	10		06/27/19 12:40	179601-23-1	
n-Butylbenzene	**<7.1**	ug/L	23.6	7.1	10		06/27/19 12:40	104-51-8	
n-Propylbenzene	**<8.1**	ug/L	50.0	8.1	10		06/27/19 12:40	103-65-1	
o-Xylene	**<2.6**	ug/L	10.0	2.6	10		06/27/19 12:40	95-47-6	
p-Isopropyltoluene	**<8.0**	ug/L	26.7	8.0	10		06/27/19 12:40	99-87-6	
sec-Butylbenzene	**<8.5**	ug/L	50.0	8.5	10		06/27/19 12:40	135-98-8	
tert-Butylbenzene	**<3.0**	ug/L	10.1	3.0	10		06/27/19 12:40	98-06-6	
trans-1,2-Dichloroethene	**<10.9**	ug/L	36.4	10.9	10		06/27/19 12:40	156-60-5	
trans-1,3-Dichloropropene	**<43.7**	ug/L	146	43.7	10		06/27/19 12:40	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		10		06/27/19 12:40	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		10		06/27/19 12:40	1868-53-7	
Toluene-d8 (S)	98	%	70-130		10		06/27/19 12:40	2037-26-5	

Sample: RW-4 **Lab ID: 40189978020** Collected: 06/21/19 14:02 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.54**	ug/L	2.0	0.54	2		06/28/19 10:29	630-20-6	
1,1,1-Trichloroethane	**164**	ug/L	2.0	0.49	2		06/28/19 10:29	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.55**	ug/L	2.0	0.55	2		06/28/19 10:29	79-34-5	
1,1,2-Trichloroethane	**<1.1**	ug/L	10.0	1.1	2		06/28/19 10:29	79-00-5	
1,1-Dichloroethane	**31.2**	ug/L	2.0	0.55	2		06/28/19 10:29	75-34-3	
1,1-Dichloroethene	**7.5**	ug/L	2.0	0.49	2		06/28/19 10:29	75-35-4	
1,1-Dichloropropene	**<1.1**	ug/L	3.6	1.1	2		06/28/19 10:29	563-58-6	
1,2,3-Trichlorobenzene	**<1.3**	ug/L	10.0	1.3	2		06/28/19 10:29	87-61-6	
1,2,3-Trichloropropane	**<1.2**	ug/L	10.0	1.2	2		06/28/19 10:29	96-18-4	
1,2,4-Trichlorobenzene	**<1.9**	ug/L	10.0	1.9	2		06/28/19 10:29	120-82-1	
1,2,4-Trimethylbenzene	**<1.7**	ug/L	5.6	1.7	2		06/28/19 10:29	95-63-6	
1,2-Dibromo-3-chloropropane	**<3.5**	ug/L	11.8	3.5	2		06/28/19 10:29	96-12-8	
1,2-Dibromoethane (EDB)	**<1.7**	ug/L	5.5	1.7	2		06/28/19 10:29	106-93-4	
1,2-Dichlorobenzene	**<1.4**	ug/L	4.7	1.4	2		06/28/19 10:29	95-50-1	
1,2-Dichloroethane	**<0.56**	ug/L	2.0	0.56	2		06/28/19 10:29	107-06-2	
1,2-Dichloropropane	**<0.57**	ug/L	2.0	0.57	2		06/28/19 10:29	78-87-5	
1,3,5-Trimethylbenzene	**<1.7**	ug/L	5.8	1.7	2		06/28/19 10:29	108-67-8	
1,3-Dichlorobenzene	**<1.3**	ug/L	4.2	1.3	2		06/28/19 10:29	541-73-1	
1,3-Dichloropropane	**<1.7**	ug/L	5.5	1.7	2		06/28/19 10:29	142-28-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-4 **Lab ID: 40189978020** Collected: 06/21/19 14:02 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<1.9**	ug/L	6.3	1.9	2		06/28/19 10:29	106-46-7	
2,2-Dichloropropane	**<4.5**	ug/L	15.1	4.5	2		06/28/19 10:29	594-20-7	
2-Chlorotoluene	**<1.9**	ug/L	10.0	1.9	2		06/28/19 10:29	95-49-8	
4-Chlorotoluene	**<1.5**	ug/L	5.0	1.5	2		06/28/19 10:29	106-43-4	
Benzene	**<0.49**	ug/L	2.0	0.49	2		06/28/19 10:29	71-43-2	
Bromobenzene	**<0.48**	ug/L	2.0	0.48	2		06/28/19 10:29	108-86-1	
Bromochloromethane	**<0.72**	ug/L	10.0	0.72	2		06/28/19 10:29	74-97-5	
Bromodichloromethane	**<0.73**	ug/L	2.4	0.73	2		06/28/19 10:29	75-27-4	
Bromoform	**<7.9**	ug/L	26.5	7.9	2		06/28/19 10:29	75-25-2	
Bromomethane	**<1.9**	ug/L	10.0	1.9	2		06/28/19 10:29	74-83-9	
Carbon tetrachloride	**<0.33**	ug/L	2.0	0.33	2		06/28/19 10:29	56-23-5	
Chlorobenzene	**<1.4**	ug/L	4.7	1.4	2		06/28/19 10:29	108-90-7	
Chloroethane	**<2.7**	ug/L	10.0	2.7	2		06/28/19 10:29	75-00-3	
Chloroform	**<2.5**	ug/L	10.0	2.5	2		06/28/19 10:29	67-66-3	
Chloromethane	**<4.4**	ug/L	14.6	4.4	2		06/28/19 10:29	74-87-3	
Dibromochloromethane	**<5.2**	ug/L	17.3	5.2	2		06/28/19 10:29	124-48-1	
Dibromomethane	**<1.9**	ug/L	6.2	1.9	2		06/28/19 10:29	74-95-3	
Dichlorodifluoromethane	**<1.0**	ug/L	10.0	1.0	2		06/28/19 10:29	75-71-8	
Diisopropyl ether	**<3.8**	ug/L	12.6	3.8	2		06/28/19 10:29	108-20-3	
Ethylbenzene	**<0.44**	ug/L	2.0	0.44	2		06/28/19 10:29	100-41-4	
Hexachloro-1,3-butadiene	**<2.4**	ug/L	10.0	2.4	2		06/28/19 10:29	87-68-3	
Isopropylbenzene (Cumene)	**<0.79**	ug/L	10.0	0.79	2		06/28/19 10:29	98-82-8	
Methyl-tert-butyl ether	**<2.5**	ug/L	8.3	2.5	2		06/28/19 10:29	1634-04-4	
Methylene Chloride	**<1.2**	ug/L	10.0	1.2	2		06/28/19 10:29	75-09-2	
Naphthalene	**<2.4**	ug/L	10.0	2.4	2		06/28/19 10:29	91-20-3	
Styrene	**<0.93**	ug/L	3.1	0.93	2		06/28/19 10:29	100-42-5	
Tetrachloroethene	**1.3J**	ug/L	2.2	0.65	2		06/28/19 10:29	127-18-4	
Toluene	**<0.34**	ug/L	10.0	0.34	2		06/28/19 10:29	108-88-3	
Trichloroethene	**143**	ug/L	2.0	0.51	2		06/28/19 10:29	79-01-6	
Trichlorofluoromethane	**<0.43**	ug/L	2.0	0.43	2		06/28/19 10:29	75-69-4	
Vinyl chloride	**2.5**	ug/L	2.0	0.35	2		06/28/19 10:29	75-01-4	
cis-1,2-Dichloroethene	**174**	ug/L	2.0	0.54	2		06/28/19 10:29	156-59-2	
cis-1,3-Dichloropropene	**<7.3**	ug/L	24.2	7.3	2		06/28/19 10:29	10061-01-5	
m&p-Xylene	**<0.93**	ug/L	4.0	0.93	2		06/28/19 10:29	179601-23-1	
n-Butylbenzene	**<1.4**	ug/L	4.7	1.4	2		06/28/19 10:29	104-51-8	
n-Propylbenzene	**<1.6**	ug/L	10.0	1.6	2		06/28/19 10:29	103-65-1	
o-Xylene	**<0.52**	ug/L	2.0	0.52	2		06/28/19 10:29	95-47-6	
p-Isopropyltoluene	**<1.6**	ug/L	5.3	1.6	2		06/28/19 10:29	99-87-6	
sec-Butylbenzene	**<1.7**	ug/L	10.0	1.7	2		06/28/19 10:29	135-98-8	
tert-Butylbenzene	**<0.61**	ug/L	2.0	0.61	2		06/28/19 10:29	98-06-6	
trans-1,2-Dichloroethene	**<2.2**	ug/L	7.3	2.2	2		06/28/19 10:29	156-60-5	
trans-1,3-Dichloropropene	**<8.7**	ug/L	29.1	8.7	2		06/28/19 10:29	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		2		06/28/19 10:29	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		2		06/28/19 10:29	1868-53-7	
Toluene-d8 (S)	99	%	70-130		2		06/28/19 10:29	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-24 **Lab ID: 40189978021** Collected: 06/21/19 14:45 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/25/19 15:38	630-20-6	
1,1,1-Trichloroethane	**426**	ug/L	10.0	2.4	10		06/26/19 09:54	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 15:38	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/25/19 15:38	79-00-5	
1,1-Dichloroethane	**115**	ug/L	1.0	0.27	1		06/25/19 15:38	75-34-3	
1,1-Dichloroethene	**50.8**	ug/L	1.0	0.24	1		06/25/19 15:38	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/25/19 15:38	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/25/19 15:38	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/25/19 15:38	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/25/19 15:38	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/25/19 15:38	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/25/19 15:38	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/25/19 15:38	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 15:38	95-50-1	
1,2-Dichloroethane	**0.49J**	ug/L	1.0	0.28	1		06/25/19 15:38	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 15:38	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/25/19 15:38	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/25/19 15:38	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/25/19 15:38	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/25/19 15:38	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/25/19 15:38	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/25/19 15:38	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/25/19 15:38	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/25/19 15:38	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/25/19 15:38	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/25/19 15:38	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/25/19 15:38	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/25/19 15:38	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/25/19 15:38	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/25/19 15:38	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 15:38	108-90-7	
Chloroethane	**9.5**	ug/L	5.0	1.3	1		06/25/19 15:38	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/25/19 15:38	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/25/19 15:38	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/25/19 15:38	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/25/19 15:38	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/25/19 15:38	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/25/19 15:38	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/25/19 15:38	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/25/19 15:38	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/25/19 15:38	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/25/19 15:38	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/25/19 15:38	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/25/19 15:38	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/25/19 15:38	100-42-5	
Tetrachloroethene	**0.97J**	ug/L	1.1	0.33	1		06/25/19 15:38	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-24 **Lab ID: 40189978021** Collected: 06/21/19 14:45 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/25/19 15:38	108-88-3	
Trichloroethene	**215**	ug/L	1.0	0.26	1		06/25/19 15:38	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/25/19 15:38	75-69-4	
Vinyl chloride	**27.6**	ug/L	1.0	0.17	1		06/25/19 15:38	75-01-4	
cis-1,2-Dichloroethene	**396**	ug/L	10.0	2.7	10		06/26/19 09:54	156-59-2	L1
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/25/19 15:38	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/25/19 15:38	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 15:38	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/25/19 15:38	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/25/19 15:38	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/25/19 15:38	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/25/19 15:38	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/25/19 15:38	98-06-6	
trans-1,2-Dichloroethene	**3.2J**	ug/L	3.6	1.1	1		06/25/19 15:38	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/25/19 15:38	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		06/25/19 15:38	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		06/25/19 15:38	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		06/25/19 15:38	2037-26-5	

Sample: RW-8 **Lab ID: 40189978022** Collected: 06/21/19 13:27 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/25/19 16:00	630-20-6	
1,1,1-Trichloroethane	**126**	ug/L	1.0	0.24	1		06/25/19 16:00	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 16:00	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/25/19 16:00	79-00-5	
1,1-Dichloroethane	**33.5**	ug/L	1.0	0.27	1		06/25/19 16:00	75-34-3	
1,1-Dichloroethene	**4.7**	ug/L	1.0	0.24	1		06/25/19 16:00	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/25/19 16:00	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/25/19 16:00	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/25/19 16:00	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/25/19 16:00	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/25/19 16:00	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/25/19 16:00	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/25/19 16:00	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 16:00	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 16:00	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/25/19 16:00	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/25/19 16:00	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/25/19 16:00	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/25/19 16:00	142-28-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: RW-8 **Lab ID: 40189978022** Collected: 06/21/19 13:27 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/25/19 16:00	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/25/19 16:00	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/25/19 16:00	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/25/19 16:00	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/25/19 16:00	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/25/19 16:00	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/25/19 16:00	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/25/19 16:00	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/25/19 16:00	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/25/19 16:00	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/25/19 16:00	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 16:00	108-90-7	
Chloroethane	**2.9J**	ug/L	5.0	1.3	1		06/25/19 16:00	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/25/19 16:00	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/25/19 16:00	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/25/19 16:00	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/25/19 16:00	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/25/19 16:00	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/25/19 16:00	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/25/19 16:00	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/25/19 16:00	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/25/19 16:00	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/25/19 16:00	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/25/19 16:00	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/25/19 16:00	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/25/19 16:00	100-42-5	
Tetrachloroethene	**0.76J**	ug/L	1.1	0.33	1		06/25/19 16:00	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/25/19 16:00	108-88-3	
Trichloroethene	**16.6**	ug/L	1.0	0.26	1		06/25/19 16:00	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/25/19 16:00	75-69-4	
Vinyl chloride	**21.5**	ug/L	1.0	0.17	1		06/25/19 16:00	75-01-4	
cis-1,2-Dichloroethene	**202**	ug/L	1.0	0.27	1		06/25/19 16:00	156-59-2	L1
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/25/19 16:00	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/25/19 16:00	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/25/19 16:00	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/25/19 16:00	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/25/19 16:00	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/25/19 16:00	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/25/19 16:00	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/25/19 16:00	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/25/19 16:00	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/25/19 16:00	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		06/25/19 16:00	460-00-4	
Dibromofluoromethane (S)	117	%	70-130		1		06/25/19 16:00	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		06/25/19 16:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: TRIP **Lab ID: 40189978023** Collected: 06/21/19 00:00 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/26/19 07:17	630-20-6	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/26/19 07:17	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/26/19 07:17	79-34-5	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/26/19 07:17	79-00-5	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/26/19 07:17	75-34-3	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/26/19 07:17	75-35-4	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/26/19 07:17	563-58-6	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/26/19 07:17	87-61-6	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/26/19 07:17	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/26/19 07:17	120-82-1	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/26/19 07:17	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/26/19 07:17	96-12-8	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/26/19 07:17	106-93-4	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/26/19 07:17	95-50-1	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/26/19 07:17	107-06-2	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/26/19 07:17	78-87-5	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/26/19 07:17	108-67-8	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/26/19 07:17	541-73-1	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/26/19 07:17	142-28-9	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/26/19 07:17	106-46-7	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/26/19 07:17	594-20-7	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/26/19 07:17	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/26/19 07:17	106-43-4	
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/26/19 07:17	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/26/19 07:17	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/26/19 07:17	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/26/19 07:17	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/26/19 07:17	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/26/19 07:17	74-83-9	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/26/19 07:17	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/26/19 07:17	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/26/19 07:17	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/26/19 07:17	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/26/19 07:17	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/26/19 07:17	124-48-1	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/26/19 07:17	74-95-3	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/26/19 07:17	75-71-8	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/26/19 07:17	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/26/19 07:17	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/26/19 07:17	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/26/19 07:17	98-82-8	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/26/19 07:17	1634-04-4	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/26/19 07:17	75-09-2	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/26/19 07:17	91-20-3	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/26/19 07:17	100-42-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		06/26/19 07:17	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Sample: TRIP **Lab ID: 40189978023** Collected: 06/21/19 00:00 Received: 06/22/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/26/19 07:17	108-88-3	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/26/19 07:17	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/26/19 07:17	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/26/19 07:17	75-01-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		06/26/19 07:17	156-59-2	L1
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/26/19 07:17	10061-01-5	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/26/19 07:17	179601-23-1	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/26/19 07:17	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/26/19 07:17	103-65-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/26/19 07:17	95-47-6	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/26/19 07:17	99-87-6	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/26/19 07:17	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/26/19 07:17	98-06-6	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/26/19 07:17	156-60-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/26/19 07:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		06/26/19 07:17	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		06/26/19 07:17	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		06/26/19 07:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

QC Batch: 326290 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Associated Lab Samples: 40189978005, 40189978010

METHOD BLANK: 1894751 Matrix: Water
Associated Lab Samples: 40189978005, 40189978010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.58	5.6	07/02/19 09:02	
Ethene	ug/L	<0.52	5.0	07/02/19 09:02	

LABORATORY CONTROL SAMPLE & LCSD: 1894752 1894753

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	52.1	52.2	97	97	80-120	0	20	
Ethene	ug/L	50	48.0	48.0	96	96	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1894754 1894755

Parameter	Units	40189974020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<14.4	1340	1340	1260	1330	94	99	80-120	5	20	
Ethene	ug/L	<13.1	1250	1250	1140	1210	91	97	80-120	6	20	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

QC Batch: 325662 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40189978005, 40189978010

METHOD BLANK: 1890747 Matrix: Water
Associated Lab Samples: 40189978005, 40189978010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Dissolved	ug/L	<35.4	118	06/25/19 22:23	
Manganese, Dissolved	ug/L	<1.1	5.0	06/25/19 22:23	

LABORATORY CONTROL SAMPLE: 1890748

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	5000	4480	90	80-120	
Manganese, Dissolved	ug/L	500	456	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1890749 1890750

Parameter	Units	40189699002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	7020	5000	5000	11400	11400	87	87	75-125	0	20	
Manganese, Dissolved	ug/L	2260	500	500	2680	2670	84	82	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

QC Batch: 325412 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40189978001, 40189978003, 40189978005, 40189978006, 40189978007, 40189978008, 40189978010

METHOD BLANK: 1889653 Matrix: Water
Associated Lab Samples: 40189978001, 40189978003, 40189978005, 40189978006, 40189978007, 40189978008, 40189978010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	06/25/19 07:55	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	06/25/19 07:55	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	06/25/19 07:55	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	06/25/19 07:55	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/25/19 07:55	
1,1-Dichloroethene	ug/L	<0.24	1.0	06/25/19 07:55	
1,1-Dichloropropene	ug/L	<0.54	1.8	06/25/19 07:55	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	06/25/19 07:55	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	06/25/19 07:55	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	06/25/19 07:55	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	06/25/19 07:55	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	06/25/19 07:55	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	06/25/19 07:55	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	06/25/19 07:55	
1,2-Dichloroethane	ug/L	<0.28	1.0	06/25/19 07:55	
1,2-Dichloropropane	ug/L	<0.28	1.0	06/25/19 07:55	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	06/25/19 07:55	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	06/25/19 07:55	
1,3-Dichloropropane	ug/L	<0.83	2.8	06/25/19 07:55	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	06/25/19 07:55	
2,2-Dichloropropane	ug/L	<2.3	7.6	06/25/19 07:55	
2-Chlorotoluene	ug/L	<0.93	5.0	06/25/19 07:55	
4-Chlorotoluene	ug/L	<0.76	2.5	06/25/19 07:55	
Benzene	ug/L	<0.25	1.0	06/25/19 07:55	
Bromobenzene	ug/L	<0.24	1.0	06/25/19 07:55	
Bromochloromethane	ug/L	<0.36	5.0	06/25/19 07:55	
Bromodichloromethane	ug/L	<0.36	1.2	06/25/19 07:55	
Bromoform	ug/L	<4.0	13.2	06/25/19 07:55	
Bromomethane	ug/L	<0.97	5.0	06/25/19 07:55	
Carbon tetrachloride	ug/L	<0.17	1.0	06/25/19 07:55	
Chlorobenzene	ug/L	<0.71	2.4	06/25/19 07:55	
Chloroethane	ug/L	<1.3	5.0	06/25/19 07:55	
Chloroform	ug/L	<1.3	5.0	06/25/19 07:55	
Chloromethane	ug/L	<2.2	7.3	06/25/19 07:55	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	06/25/19 07:55	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	06/25/19 07:55	
Dibromochloromethane	ug/L	<2.6	8.7	06/25/19 07:55	
Dibromomethane	ug/L	<0.94	3.1	06/25/19 07:55	
Dichlorodifluoromethane	ug/L	<0.50	5.0	06/25/19 07:55	
Diisopropyl ether	ug/L	<1.9	6.3	06/25/19 07:55	
Ethylbenzene	ug/L	<0.22	1.0	06/25/19 07:55	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

METHOD BLANK: 1889653 Matrix: Water
Associated Lab Samples: 40189978001, 40189978003, 40189978005, 40189978006, 40189978007, 40189978008, 40189978010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	06/25/19 07:55	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	06/25/19 07:55	
m&p-Xylene	ug/L	<0.47	2.0	06/25/19 07:55	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	06/25/19 07:55	
Methylene Chloride	ug/L	<0.58	5.0	06/25/19 07:55	
n-Butylbenzene	ug/L	<0.71	2.4	06/25/19 07:55	
n-Propylbenzene	ug/L	<0.81	5.0	06/25/19 07:55	
Naphthalene	ug/L	<1.2	5.0	06/25/19 07:55	
o-Xylene	ug/L	<0.26	1.0	06/25/19 07:55	
p-Isopropyltoluene	ug/L	<0.80	2.7	06/25/19 07:55	
sec-Butylbenzene	ug/L	<0.85	5.0	06/25/19 07:55	
Styrene	ug/L	<0.47	1.6	06/25/19 07:55	
tert-Butylbenzene	ug/L	<0.30	1.0	06/25/19 07:55	
Tetrachloroethene	ug/L	<0.33	1.1	06/25/19 07:55	
Toluene	ug/L	<0.17	5.0	06/25/19 07:55	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	06/25/19 07:55	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	06/25/19 07:55	
Trichloroethene	ug/L	<0.26	1.0	06/25/19 07:55	
Trichlorofluoromethane	ug/L	<0.21	1.0	06/25/19 07:55	
Vinyl chloride	ug/L	<0.17	1.0	06/25/19 07:55	
4-Bromofluorobenzene (S)	%	97	70-130	06/25/19 07:55	
Dibromofluoromethane (S)	%	98	70-130	06/25/19 07:55	
Toluene-d8 (S)	%	100	70-130	06/25/19 07:55	

LABORATORY CONTROL SAMPLE: 1889654

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.3	99	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.9	98	70-130	
1,1,2-Trichloroethane	ug/L	50	48.0	96	70-130	
1,1-Dichloroethane	ug/L	50	49.3	99	73-150	
1,1-Dichloroethene	ug/L	50	50.6	101	73-138	
1,2,4-Trichlorobenzene	ug/L	50	50.1	100	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.4	91	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	48.3	97	70-130	
1,2-Dichlorobenzene	ug/L	50	49.7	99	70-130	
1,2-Dichloroethane	ug/L	50	48.4	97	75-140	
1,2-Dichloropropane	ug/L	50	47.7	95	73-135	
1,3-Dichlorobenzene	ug/L	50	49.9	100	70-130	
1,4-Dichlorobenzene	ug/L	50	48.7	97	70-130	
Benzene	ug/L	50	48.9	98	70-130	
Bromodichloromethane	ug/L	50	47.0	94	70-130	
Bromoform	ug/L	50	40.7	81	68-129	
Bromomethane	ug/L	50	45.3	91	18-159	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

LABORATORY CONTROL SAMPLE: 1889654

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	43.3	87	70-130	
Chlorobenzene	ug/L	50	49.5	99	70-130	
Chloroethane	ug/L	50	42.6	85	53-147	
Chloroform	ug/L	50	45.8	92	74-136	
Chloromethane	ug/L	50	42.2	84	29-115	
cis-1,2-Dichloroethene	ug/L	50	47.8	96	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.3	95	70-130	
Dibromochloromethane	ug/L	50	50.8	102	70-130	
Dichlorodifluoromethane	ug/L	50	37.5	75	10-130	
Ethylbenzene	ug/L	50	51.8	104	80-124	
Isopropylbenzene (Cumene)	ug/L	50	52.1	104	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	45.7	91	54-137	
Methylene Chloride	ug/L	50	48.1	96	73-138	
o-Xylene	ug/L	50	50.1	100	70-130	
Styrene	ug/L	50	51.1	102	70-130	
Tetrachloroethene	ug/L	50	49.8	100	70-130	
Toluene	ug/L	50	50.0	100	80-126	
trans-1,2-Dichloroethene	ug/L	50	50.0	100	73-145	
trans-1,3-Dichloropropene	ug/L	50	44.3	89	70-130	
Trichloroethene	ug/L	50	49.4	99	70-130	
Trichlorofluoromethane	ug/L	50	51.3	103	76-147	
Vinyl chloride	ug/L	50	46.4	93	51-120	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1890180 1890181

Parameter	Units	40189978010 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	188	5000	5000	5260	5230	101	101	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	5000	5000	4910	4850	98	97	70-130	1	20	
1,1,2-Trichloroethane	ug/L	<0.55	5000	5000	4930	4820	99	96	70-137	2	20	
1,1-Dichloroethane	ug/L	58.5	5000	5000	5120	5090	101	101	73-153	1	20	
1,1-Dichloroethene	ug/L	30.5	5000	5000	5260	5030	105	100	73-138	5	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	5000	5000	5030	5010	101	100	70-130	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5000	5000	4290	4470	86	89	58-129	4	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	5000	5000	4880	4880	98	98	70-130	0	20	
1,2-Dichlorobenzene	ug/L	<0.71	5000	5000	5030	4920	101	98	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.28	5000	5000	5020	4830	100	97	75-140	4	20	
1,2-Dichloropropane	ug/L	<0.28	5000	5000	4690	4740	94	95	71-138	1	20	
1,3-Dichlorobenzene	ug/L	<0.63	5000	5000	5050	5080	101	102	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.94	5000	5000	4890	4890	98	98	70-130	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1890180 1890181

Parameter	Units	40189978010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.25	5000	5000	5040	4910	101	98	70-130	3	20	
Bromodichloromethane	ug/L	<0.36	5000	5000	4740	4780	95	96	70-130	1	20	
Bromoform	ug/L	<4.0	5000	5000	4090	4070	82	81	68-129	0	20	
Bromomethane	ug/L	<0.97	5000	5000	4910	4960	98	99	15-170	1	20	
Carbon tetrachloride	ug/L	<0.17	5000	5000	4520	4460	90	89	70-130	1	20	
Chlorobenzene	ug/L	<0.71	5000	5000	5020	4980	100	100	70-130	1	20	
Chloroethane	ug/L	2.8J	5000	5000	4620	4440	92	89	51-148	4	20	
Chloroform	ug/L	<1.3	5000	5000	4770	4670	95	93	74-136	2	20	
Chloromethane	ug/L	<2.2	5000	5000	4220	4170	84	83	23-115	1	20	
cis-1,2-Dichloroethene	ug/L	130	5000	5000	5110	5030	100	98	70-131	2	20	
cis-1,3-Dichloropropene	ug/L	<3.6	5000	5000	4810	4790	96	96	70-130	0	20	
Dibromochloromethane	ug/L	<2.6	5000	5000	5080	5160	102	103	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.50	5000	5000	3670	3560	73	71	10-132	3	20	
Ethylbenzene	ug/L	<0.22	5000	5000	5210	5180	104	104	80-125	1	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	5000	5000	5290	5260	106	105	70-130	1	20	
m&p-Xylene	ug/L	<0.47	10000	10000	10600	10400	106	104	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<1.2	5000	5000	4700	4580	94	92	51-145	3	20	
Methylene Chloride	ug/L	<0.58	5000	5000	4970	4870	99	97	73-140	2	20	
o-Xylene	ug/L	<0.26	5000	5000	5120	5050	102	101	70-130	1	20	
Styrene	ug/L	<0.47	5000	5000	5170	5100	103	102	70-130	1	20	
Tetrachloroethene	ug/L	0.54J	5000	5000	5060	4970	101	99	70-130	2	20	
Toluene	ug/L	<0.17	5000	5000	4980	4950	100	99	80-131	1	20	
trans-1,2-Dichloroethene	ug/L	1.1J	5000	5000	5070	5020	101	100	73-148	1	20	
trans-1,3-Dichloropropene	ug/L	<4.4	5000	5000	4500	4400	90	88	70-130	2	20	
Trichloroethene	ug/L	77.8	5000	5000	5060	5070	100	100	70-130	0	20	
Trichlorofluoromethane	ug/L	<0.21	5000	5000	5290	5160	106	103	74-147	2	20	
Vinyl chloride	ug/L	4.9	5000	5000	4690	4660	94	93	41-129	1	20	
4-Bromofluorobenzene (S)	%						100	100	70-130			
Dibromofluoromethane (S)	%						102	102	70-130			
Toluene-d8 (S)	%						101	101	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

QC Batch: 325476 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40189978021, 40189978022, 40189978023

METHOD BLANK: 1889962 Matrix: Water
Associated Lab Samples: 40189978021, 40189978022, 40189978023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	06/25/19 07:05	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	06/25/19 07:05	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	06/25/19 07:05	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	06/25/19 07:05	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/25/19 07:05	
1,1-Dichloroethene	ug/L	<0.24	1.0	06/25/19 07:05	
1,1-Dichloropropene	ug/L	<0.54	1.8	06/25/19 07:05	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	06/25/19 07:05	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	06/25/19 07:05	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	06/25/19 07:05	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	06/25/19 07:05	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	06/25/19 07:05	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	06/25/19 07:05	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	06/25/19 07:05	
1,2-Dichloroethane	ug/L	<0.28	1.0	06/25/19 07:05	
1,2-Dichloropropane	ug/L	<0.28	1.0	06/25/19 07:05	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	06/25/19 07:05	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	06/25/19 07:05	
1,3-Dichloropropane	ug/L	<0.83	2.8	06/25/19 07:05	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	06/25/19 07:05	
2,2-Dichloropropane	ug/L	<2.3	7.6	06/25/19 07:05	
2-Chlorotoluene	ug/L	<0.93	5.0	06/25/19 07:05	
4-Chlorotoluene	ug/L	<0.76	2.5	06/25/19 07:05	
Benzene	ug/L	<0.25	1.0	06/25/19 07:05	
Bromobenzene	ug/L	<0.24	1.0	06/25/19 07:05	
Bromochloromethane	ug/L	<0.36	5.0	06/25/19 07:05	
Bromodichloromethane	ug/L	<0.36	1.2	06/25/19 07:05	
Bromoform	ug/L	<4.0	13.2	06/25/19 07:05	
Bromomethane	ug/L	<0.97	5.0	06/25/19 07:05	
Carbon tetrachloride	ug/L	<0.17	1.0	06/25/19 07:05	
Chlorobenzene	ug/L	<0.71	2.4	06/25/19 07:05	
Chloroethane	ug/L	<1.3	5.0	06/25/19 07:05	
Chloroform	ug/L	<1.3	5.0	06/25/19 07:05	
Chloromethane	ug/L	<2.2	7.3	06/25/19 07:05	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	06/25/19 07:05	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	06/25/19 07:05	
Dibromochloromethane	ug/L	<2.6	8.7	06/25/19 07:05	
Dibromomethane	ug/L	<0.94	3.1	06/25/19 07:05	
Dichlorodifluoromethane	ug/L	<0.50	5.0	06/25/19 07:05	
Diisopropyl ether	ug/L	<1.9	6.3	06/25/19 07:05	
Ethylbenzene	ug/L	<0.22	1.0	06/25/19 07:05	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

METHOD BLANK: 1889962 Matrix: Water
Associated Lab Samples: 40189978021, 40189978022, 40189978023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	06/25/19 07:05	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	06/25/19 07:05	
m&p-Xylene	ug/L	<0.47	2.0	06/25/19 07:05	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	06/25/19 07:05	
Methylene Chloride	ug/L	<0.58	5.0	06/25/19 07:05	
n-Butylbenzene	ug/L	<0.71	2.4	06/25/19 07:05	
n-Propylbenzene	ug/L	<0.81	5.0	06/25/19 07:05	
Naphthalene	ug/L	<1.2	5.0	06/25/19 07:05	
o-Xylene	ug/L	<0.26	1.0	06/25/19 07:05	
p-Isopropyltoluene	ug/L	<0.80	2.7	06/25/19 07:05	
sec-Butylbenzene	ug/L	<0.85	5.0	06/25/19 07:05	
Styrene	ug/L	<0.47	1.6	06/25/19 07:05	
tert-Butylbenzene	ug/L	<0.30	1.0	06/25/19 07:05	
Tetrachloroethene	ug/L	<0.33	1.1	06/25/19 07:05	
Toluene	ug/L	<0.17	5.0	06/25/19 07:05	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	06/25/19 07:05	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	06/25/19 07:05	
Trichloroethene	ug/L	<0.26	1.0	06/25/19 07:05	
Trichlorofluoromethane	ug/L	<0.21	1.0	06/25/19 07:05	
Vinyl chloride	ug/L	<0.17	1.0	06/25/19 07:05	
4-Bromofluorobenzene (S)	%	96	70-130	06/25/19 07:05	
Dibromofluoromethane (S)	%	116	70-130	06/25/19 07:05	
Toluene-d8 (S)	%	95	70-130	06/25/19 07:05	

LABORATORY CONTROL SAMPLE: 1889963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.1	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	44.9	90	70-130	
1,1,2-Trichloroethane	ug/L	50	48.0	96	70-130	
1,1-Dichloroethane	ug/L	50	54.6	109	73-150	
1,1-Dichloroethene	ug/L	50	56.0	112	73-138	
1,2,4-Trichlorobenzene	ug/L	50	42.0	84	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	34.3	69	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	44.7	89	70-130	
1,2-Dichlorobenzene	ug/L	50	46.2	92	70-130	
1,2-Dichloroethane	ug/L	50	54.4	109	75-140	
1,2-Dichloropropane	ug/L	50	54.6	109	73-135	
1,3-Dichlorobenzene	ug/L	50	46.4	93	70-130	
1,4-Dichlorobenzene	ug/L	50	47.5	95	70-130	
Benzene	ug/L	50	61.5	123	70-130	
Bromodichloromethane	ug/L	50	50.0	100	70-130	
Bromoform	ug/L	50	37.0	74	68-129	
Bromomethane	ug/L	50	46.1	92	18-159	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

LABORATORY CONTROL SAMPLE: 1889963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	55.5	111	70-130	
Chlorobenzene	ug/L	50	48.8	98	70-130	
Chloroethane	ug/L	50	54.5	109	53-147	
Chloroform	ug/L	50	56.5	113	74-136	
Chloromethane	ug/L	50	46.1	92	29-115	
cis-1,2-Dichloroethene	ug/L	50	66.3	133	70-130	L1
cis-1,3-Dichloropropene	ug/L	50	46.7	93	70-130	
Dibromochloromethane	ug/L	50	43.7	87	70-130	
Dichlorodifluoromethane	ug/L	50	40.6	81	10-130	
Ethylbenzene	ug/L	50	50.9	102	80-124	
Isopropylbenzene (Cumene)	ug/L	50	49.9	100	70-130	
m&p-Xylene	ug/L	100	101	101	70-130	
Methyl-tert-butyl ether	ug/L	50	43.5	87	54-137	
Methylene Chloride	ug/L	50	55.7	111	73-138	
o-Xylene	ug/L	50	48.8	98	70-130	
Styrene	ug/L	50	50.4	101	70-130	
Tetrachloroethene	ug/L	50	47.6	95	70-130	
Toluene	ug/L	50	50.4	101	80-126	
trans-1,2-Dichloroethene	ug/L	50	54.7	109	73-145	
trans-1,3-Dichloropropene	ug/L	50	39.7	79	70-130	
Trichloroethene	ug/L	50	54.7	109	70-130	
Trichlorofluoromethane	ug/L	50	57.6	115	76-147	
Vinyl chloride	ug/L	50	51.7	103	51-120	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			114	70-130	
Toluene-d8 (S)	%			95	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

QC Batch: 325734 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40189978002, 40189978004, 40189978009, 40189978011, 40189978012, 40189978013, 40189978014, 40189978015, 40189978016, 40189978017

METHOD BLANK: 1891217 Matrix: Water
Associated Lab Samples: 40189978002, 40189978004, 40189978009, 40189978011, 40189978012, 40189978013, 40189978014, 40189978015, 40189978016, 40189978017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	06/26/19 17:19	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	06/26/19 17:19	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	06/26/19 17:19	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	06/26/19 17:19	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/26/19 17:19	
1,1-Dichloroethene	ug/L	<0.24	1.0	06/26/19 17:19	
1,1-Dichloropropene	ug/L	<0.54	1.8	06/26/19 17:19	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	06/26/19 17:19	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	06/26/19 17:19	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	06/26/19 17:19	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	06/26/19 17:19	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	06/26/19 17:19	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	06/26/19 17:19	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	06/26/19 17:19	
1,2-Dichloroethane	ug/L	<0.28	1.0	06/26/19 17:19	
1,2-Dichloropropane	ug/L	<0.28	1.0	06/26/19 17:19	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	06/26/19 17:19	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	06/26/19 17:19	
1,3-Dichloropropane	ug/L	<0.83	2.8	06/26/19 17:19	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	06/26/19 17:19	
2,2-Dichloropropane	ug/L	<2.3	7.6	06/26/19 17:19	
2-Chlorotoluene	ug/L	<0.93	5.0	06/26/19 17:19	
4-Chlorotoluene	ug/L	<0.76	2.5	06/26/19 17:19	
Benzene	ug/L	<0.25	1.0	06/26/19 17:19	
Bromobenzene	ug/L	<0.24	1.0	06/26/19 17:19	
Bromochloromethane	ug/L	<0.36	5.0	06/26/19 17:19	
Bromodichloromethane	ug/L	<0.36	1.2	06/26/19 17:19	
Bromoform	ug/L	<4.0	13.2	06/26/19 17:19	
Bromomethane	ug/L	<0.97	5.0	06/26/19 17:19	
Carbon tetrachloride	ug/L	<0.17	1.0	06/26/19 17:19	
Chlorobenzene	ug/L	<0.71	2.4	06/26/19 17:19	
Chloroethane	ug/L	<1.3	5.0	06/26/19 17:19	
Chloroform	ug/L	<1.3	5.0	06/26/19 17:19	
Chloromethane	ug/L	<2.2	7.3	06/26/19 17:19	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	06/26/19 17:19	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	06/26/19 17:19	
Dibromochloromethane	ug/L	<2.6	8.7	06/26/19 17:19	
Dibromomethane	ug/L	<0.94	3.1	06/26/19 17:19	
Dichlorodifluoromethane	ug/L	<0.50	5.0	06/26/19 17:19	
Diisopropyl ether	ug/L	<1.9	6.3	06/26/19 17:19	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

METHOD BLANK: 1891217 Matrix: Water

Associated Lab Samples: 40189978002, 40189978004, 40189978009, 40189978011, 40189978012, 40189978013, 40189978014, 40189978015, 40189978016, 40189978017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.22	1.0	06/26/19 17:19	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	06/26/19 17:19	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	06/26/19 17:19	
m&p-Xylene	ug/L	<0.47	2.0	06/26/19 17:19	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	06/26/19 17:19	
Methylene Chloride	ug/L	<0.58	5.0	06/26/19 17:19	
n-Butylbenzene	ug/L	<0.71	2.4	06/26/19 17:19	
n-Propylbenzene	ug/L	<0.81	5.0	06/26/19 17:19	
Naphthalene	ug/L	<1.2	5.0	06/26/19 17:19	
o-Xylene	ug/L	<0.26	1.0	06/26/19 17:19	
p-Isopropyltoluene	ug/L	<0.80	2.7	06/26/19 17:19	
sec-Butylbenzene	ug/L	<0.85	5.0	06/26/19 17:19	
Styrene	ug/L	<0.47	1.6	06/26/19 17:19	
tert-Butylbenzene	ug/L	<0.30	1.0	06/26/19 17:19	
Tetrachloroethene	ug/L	<0.33	1.1	06/26/19 17:19	
Toluene	ug/L	<0.17	5.0	06/26/19 17:19	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	06/26/19 17:19	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	06/26/19 17:19	
Trichloroethene	ug/L	<0.26	1.0	06/26/19 17:19	
Trichlorofluoromethane	ug/L	<0.21	1.0	06/26/19 17:19	
Vinyl chloride	ug/L	<0.17	1.0	06/26/19 17:19	
4-Bromofluorobenzene (S)	%	99	70-130	06/26/19 17:19	
Dibromofluoromethane (S)	%	97	70-130	06/26/19 17:19	
Toluene-d8 (S)	%	106	70-130	06/26/19 17:19	

LABORATORY CONTROL SAMPLE: 1891218

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.8	92	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.1	96	70-130	
1,1,2-Trichloroethane	ug/L	50	53.8	108	70-130	
1,1-Dichloroethane	ug/L	50	46.6	93	73-150	
1,1-Dichloroethene	ug/L	50	45.0	90	73-138	
1,2,4-Trichlorobenzene	ug/L	50	46.1	92	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	36.7	73	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	45.9	92	70-130	
1,2-Dichlorobenzene	ug/L	50	47.2	94	70-130	
1,2-Dichloroethane	ug/L	50	46.7	93	75-140	
1,2-Dichloropropane	ug/L	50	55.4	111	73-135	
1,3-Dichlorobenzene	ug/L	50	47.5	95	70-130	
1,4-Dichlorobenzene	ug/L	50	48.2	96	70-130	
Benzene	ug/L	50	55.3	111	70-130	
Bromodichloromethane	ug/L	50	49.9	100	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

LABORATORY CONTROL SAMPLE: 1891218

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	39.9	80	68-129	
Bromomethane	ug/L	50	36.9	74	18-159	
Carbon tetrachloride	ug/L	50	44.3	89	70-130	
Chlorobenzene	ug/L	50	50.7	101	70-130	
Chloroethane	ug/L	50	46.3	93	53-147	
Chloroform	ug/L	50	49.5	99	74-136	
Chloromethane	ug/L	50	30.8	62	29-115	
cis-1,2-Dichloroethene	ug/L	50	56.1	112	70-130	
cis-1,3-Dichloropropene	ug/L	50	46.5	93	70-130	
Dibromochloromethane	ug/L	50	42.9	86	70-130	
Dichlorodifluoromethane	ug/L	50	28.2	56	10-130	
Ethylbenzene	ug/L	50	56.5	113	80-124	
Isopropylbenzene (Cumene)	ug/L	50	52.9	106	70-130	
m&p-Xylene	ug/L	100	105	105	70-130	
Methyl-tert-butyl ether	ug/L	50	38.2	76	54-137	
Methylene Chloride	ug/L	50	47.5	95	73-138	
o-Xylene	ug/L	50	51.2	102	70-130	
Styrene	ug/L	50	53.5	107	70-130	
Tetrachloroethene	ug/L	50	53.3	107	70-130	
Toluene	ug/L	50	56.1	112	80-126	
trans-1,2-Dichloroethene	ug/L	50	44.2	88	73-145	
trans-1,3-Dichloropropene	ug/L	50	43.9	88	70-130	
Trichloroethene	ug/L	50	52.9	106	70-130	
Trichlorofluoromethane	ug/L	50	45.8	92	76-147	
Vinyl chloride	ug/L	50	41.5	83	51-120	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			107	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1891344 1891345

Parameter	Units	40189978002 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	102	250	250	320	328	87	90	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<1.4	250	250	242	253	97	101	70-130	4	20	
1,1,2-Trichloroethane	ug/L	<2.8	250	250	267	278	106	111	70-137	4	20	
1,1-Dichloroethane	ug/L	11.8	250	250	242	248	92	95	73-153	3	20	
1,1-Dichloroethene	ug/L	3.0J	250	250	224	232	89	92	73-138	3	20	
1,2,4-Trichlorobenzene	ug/L	<4.8	250	250	238	248	95	99	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	<8.8	250	250	194	208	78	83	58-129	7	20	
1,2-Dibromoethane (EDB)	ug/L	<4.1	250	250	229	240	91	96	70-130	5	20	
1,2-Dichlorobenzene	ug/L	<3.5	250	250	234	242	93	97	70-130	4	20	
1,2-Dichloroethane	ug/L	<1.4	250	250	226	241	90	96	75-140	6	20	
1,2-Dichloropropane	ug/L	<1.4	250	250	272	280	109	112	71-138	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1891344 1891345

Parameter	Units	40189978002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3-Dichlorobenzene	ug/L	<3.1	250	250	234	243	94	97	70-130	4	20	
1,4-Dichlorobenzene	ug/L	<4.7	250	250	239	248	96	99	70-130	4	20	
Benzene	ug/L	<1.2	250	250	274	283	109	113	70-130	3	20	
Bromodichloromethane	ug/L	<1.8	250	250	247	255	99	102	70-130	3	20	
Bromoform	ug/L	<19.9	250	250	201	212	80	85	68-129	5	20	
Bromomethane	ug/L	<4.9	250	250	207	216	83	86	15-170	4	20	
Carbon tetrachloride	ug/L	<0.83	250	250	222	231	89	92	70-130	4	20	
Chlorobenzene	ug/L	<3.6	250	250	248	258	99	103	70-130	4	20	
Chloroethane	ug/L	<6.7	250	250	225	231	90	93	51-148	3	20	
Chloroform	ug/L	<6.4	250	250	245	252	98	101	74-136	3	20	
Chloromethane	ug/L	<10.9	250	250	150	148	60	59	23-115	2	20	
cis-1,2-Dichloroethene	ug/L	436	250	250	674	680	95	97	70-131	1	20	
cis-1,3-Dichloropropene	ug/L	<18.1	250	250	236	243	94	97	70-130	3	20	
Dibromochloromethane	ug/L	<13.0	250	250	214	223	85	89	70-130	4	20	
Dichlorodifluoromethane	ug/L	<2.5	250	250	123	127	49	51	10-132	3	20	
Ethylbenzene	ug/L	<1.1	250	250	277	288	111	115	80-125	4	20	
Isopropylbenzene (Cumene)	ug/L	<2.0	250	250	259	269	103	108	70-130	4	20	
m&p-Xylene	ug/L	<2.3	500	500	512	534	102	107	70-130	4	20	
Methyl-tert-butyl ether	ug/L	<6.2	250	250	193	201	77	80	51-145	4	20	
Methylene Chloride	ug/L	<2.9	250	250	235	242	94	97	73-140	3	20	
o-Xylene	ug/L	<1.3	250	250	248	259	99	104	70-130	4	20	
Styrene	ug/L	<2.3	250	250	257	268	103	107	70-130	4	20	
Tetrachloroethene	ug/L	<1.6	250	250	263	273	105	109	70-130	4	20	
Toluene	ug/L	<0.86	250	250	274	284	110	113	80-131	4	20	
trans-1,2-Dichloroethene	ug/L	<5.5	250	250	223	229	87	90	73-148	3	20	
trans-1,3-Dichloropropene	ug/L	<21.9	250	250	223	232	89	93	70-130	4	20	
Trichloroethene	ug/L	369	250	250	591	595	89	90	70-130	1	20	
Trichlorofluoromethane	ug/L	<1.1	250	250	224	230	89	92	74-147	3	20	
Vinyl chloride	ug/L	11.8	250	250	207	213	78	81	41-129	3	20	
4-Bromofluorobenzene (S)	%						102	103	70-130			
Dibromofluoromethane (S)	%						97	97	70-130			
Toluene-d8 (S)	%						106	106	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

QC Batch: 325766
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 40189978019

METHOD BLANK: 1891371
Matrix: Water
Associated Lab Samples: 40189978019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	06/27/19 06:48	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	06/27/19 06:48	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	06/27/19 06:48	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	06/27/19 06:48	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/27/19 06:48	
1,1-Dichloroethene	ug/L	<0.24	1.0	06/27/19 06:48	
1,1-Dichloropropene	ug/L	<0.54	1.8	06/27/19 06:48	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	06/27/19 06:48	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	06/27/19 06:48	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	06/27/19 06:48	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	06/27/19 06:48	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	06/27/19 06:48	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	06/27/19 06:48	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	06/27/19 06:48	
1,2-Dichloroethane	ug/L	<0.28	1.0	06/27/19 06:48	
1,2-Dichloropropane	ug/L	<0.28	1.0	06/27/19 06:48	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	06/27/19 06:48	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	06/27/19 06:48	
1,3-Dichloropropane	ug/L	<0.83	2.8	06/27/19 06:48	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	06/27/19 06:48	
2,2-Dichloropropane	ug/L	<2.3	7.6	06/27/19 06:48	
2-Chlorotoluene	ug/L	<0.93	5.0	06/27/19 06:48	
4-Chlorotoluene	ug/L	<0.76	2.5	06/27/19 06:48	
Benzene	ug/L	<0.25	1.0	06/27/19 06:48	
Bromobenzene	ug/L	<0.24	1.0	06/27/19 06:48	
Bromochloromethane	ug/L	<0.36	5.0	06/27/19 06:48	
Bromodichloromethane	ug/L	<0.36	1.2	06/27/19 06:48	
Bromoform	ug/L	<4.0	13.2	06/27/19 06:48	
Bromomethane	ug/L	<0.97	5.0	06/27/19 06:48	
Carbon tetrachloride	ug/L	<0.17	1.0	06/27/19 06:48	
Chlorobenzene	ug/L	<0.71	2.4	06/27/19 06:48	
Chloroethane	ug/L	<1.3	5.0	06/27/19 06:48	
Chloroform	ug/L	<1.3	5.0	06/27/19 06:48	
Chloromethane	ug/L	<2.2	7.3	06/27/19 06:48	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	06/27/19 06:48	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	06/27/19 06:48	
Dibromochloromethane	ug/L	<2.6	8.7	06/27/19 06:48	
Dibromomethane	ug/L	<0.94	3.1	06/27/19 06:48	
Dichlorodifluoromethane	ug/L	<0.50	5.0	06/27/19 06:48	
Diisopropyl ether	ug/L	<1.9	6.3	06/27/19 06:48	
Ethylbenzene	ug/L	<0.22	1.0	06/27/19 06:48	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

METHOD BLANK: 1891371 Matrix: Water
Associated Lab Samples: 40189978019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	06/27/19 06:48	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	06/27/19 06:48	
m&p-Xylene	ug/L	<0.47	2.0	06/27/19 06:48	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	06/27/19 06:48	
Methylene Chloride	ug/L	<0.58	5.0	06/27/19 06:48	
n-Butylbenzene	ug/L	<0.71	2.4	06/27/19 06:48	
n-Propylbenzene	ug/L	<0.81	5.0	06/27/19 06:48	
Naphthalene	ug/L	<1.2	5.0	06/27/19 06:48	
o-Xylene	ug/L	<0.26	1.0	06/27/19 06:48	
p-Isopropyltoluene	ug/L	<0.80	2.7	06/27/19 06:48	
sec-Butylbenzene	ug/L	<0.85	5.0	06/27/19 06:48	
Styrene	ug/L	<0.47	1.6	06/27/19 06:48	
tert-Butylbenzene	ug/L	<0.30	1.0	06/27/19 06:48	
Tetrachloroethene	ug/L	<0.33	1.1	06/27/19 06:48	
Toluene	ug/L	<0.17	5.0	06/27/19 06:48	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	06/27/19 06:48	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	06/27/19 06:48	
Trichloroethene	ug/L	<0.26	1.0	06/27/19 06:48	
Trichlorofluoromethane	ug/L	<0.21	1.0	06/27/19 06:48	
Vinyl chloride	ug/L	<0.17	1.0	06/27/19 06:48	
4-Bromofluorobenzene (S)	%	87	70-130	06/27/19 06:48	
Dibromofluoromethane (S)	%	99	70-130	06/27/19 06:48	
Toluene-d8 (S)	%	98	70-130	06/27/19 06:48	

LABORATORY CONTROL SAMPLE: 1891372

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.4	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.3	97	70-130	
1,1,2-Trichloroethane	ug/L	50	51.5	103	70-130	
1,1-Dichloroethane	ug/L	50	47.5	95	73-150	
1,1-Dichloroethene	ug/L	50	47.3	95	73-138	
1,2,4-Trichlorobenzene	ug/L	50	44.0	88	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	46.9	94	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	51.0	102	70-130	
1,2-Dichlorobenzene	ug/L	50	53.1	106	70-130	
1,2-Dichloroethane	ug/L	50	48.0	96	75-140	
1,2-Dichloropropane	ug/L	50	50.0	100	73-135	
1,3-Dichlorobenzene	ug/L	50	52.1	104	70-130	
1,4-Dichlorobenzene	ug/L	50	53.7	107	70-130	
Benzene	ug/L	50	51.1	102	70-130	
Bromodichloromethane	ug/L	50	52.3	105	70-130	
Bromoform	ug/L	50	51.3	103	68-129	
Bromomethane	ug/L	50	23.9	48	18-159	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

LABORATORY CONTROL SAMPLE: 1891372

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	50.4	101	70-130	
Chlorobenzene	ug/L	50	52.7	105	70-130	
Chloroethane	ug/L	50	42.2	84	53-147	
Chloroform	ug/L	50	50.4	101	74-136	
Chloromethane	ug/L	50	39.0	78	29-115	
cis-1,2-Dichloroethene	ug/L	50	46.1	92	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.9	98	70-130	
Dibromochloromethane	ug/L	50	51.8	104	70-130	
Dichlorodifluoromethane	ug/L	50	29.0	58	10-130	
Ethylbenzene	ug/L	50	56.8	114	80-124	
Isopropylbenzene (Cumene)	ug/L	50	59.1	118	70-130	
m&p-Xylene	ug/L	100	119	119	70-130	
Methyl-tert-butyl ether	ug/L	50	43.6	87	54-137	
Methylene Chloride	ug/L	50	45.9	92	73-138	
o-Xylene	ug/L	50	56.5	113	70-130	
Styrene	ug/L	50	53.0	106	70-130	
Tetrachloroethene	ug/L	50	51.9	104	70-130	
Toluene	ug/L	50	52.4	105	80-126	
trans-1,2-Dichloroethene	ug/L	50	48.1	96	73-145	
trans-1,3-Dichloropropene	ug/L	50	48.8	98	70-130	
Trichloroethene	ug/L	50	52.5	105	70-130	
Trichlorofluoromethane	ug/L	50	48.7	97	76-147	
Vinyl chloride	ug/L	50	41.9	84	51-120	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			93	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

QC Batch: 325948 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40189978018, 40189978020

METHOD BLANK: 1892474 Matrix: Water
Associated Lab Samples: 40189978018, 40189978020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	06/28/19 06:33	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	06/28/19 06:33	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	06/28/19 06:33	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	06/28/19 06:33	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/28/19 06:33	
1,1-Dichloroethene	ug/L	<0.24	1.0	06/28/19 06:33	
1,1-Dichloropropene	ug/L	<0.54	1.8	06/28/19 06:33	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	06/28/19 06:33	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	06/28/19 06:33	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	06/28/19 06:33	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	06/28/19 06:33	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	06/28/19 06:33	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	06/28/19 06:33	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	06/28/19 06:33	
1,2-Dichloroethane	ug/L	<0.28	1.0	06/28/19 06:33	
1,2-Dichloropropane	ug/L	<0.28	1.0	06/28/19 06:33	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	06/28/19 06:33	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	06/28/19 06:33	
1,3-Dichloropropane	ug/L	<0.83	2.8	06/28/19 06:33	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	06/28/19 06:33	
2,2-Dichloropropane	ug/L	<2.3	7.6	06/28/19 06:33	
2-Chlorotoluene	ug/L	<0.93	5.0	06/28/19 06:33	
4-Chlorotoluene	ug/L	<0.76	2.5	06/28/19 06:33	
Benzene	ug/L	<0.25	1.0	06/28/19 06:33	
Bromobenzene	ug/L	<0.24	1.0	06/28/19 06:33	
Bromochloromethane	ug/L	<0.36	5.0	06/28/19 06:33	
Bromodichloromethane	ug/L	<0.36	1.2	06/28/19 06:33	
Bromoform	ug/L	<4.0	13.2	06/28/19 06:33	
Bromomethane	ug/L	<0.97	5.0	06/28/19 06:33	
Carbon tetrachloride	ug/L	<0.17	1.0	06/28/19 06:33	
Chlorobenzene	ug/L	<0.71	2.4	06/28/19 06:33	
Chloroethane	ug/L	<1.3	5.0	06/28/19 06:33	
Chloroform	ug/L	<1.3	5.0	06/28/19 06:33	
Chloromethane	ug/L	<2.2	7.3	06/28/19 06:33	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	06/28/19 06:33	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	06/28/19 06:33	
Dibromochloromethane	ug/L	<2.6	8.7	06/28/19 06:33	
Dibromomethane	ug/L	<0.94	3.1	06/28/19 06:33	
Dichlorodifluoromethane	ug/L	<0.50	5.0	06/28/19 06:33	
Diisopropyl ether	ug/L	<1.9	6.3	06/28/19 06:33	
Ethylbenzene	ug/L	<0.22	1.0	06/28/19 06:33	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

METHOD BLANK: 1892474 Matrix: Water
Associated Lab Samples: 40189978018, 40189978020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	06/28/19 06:33	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	06/28/19 06:33	
m&p-Xylene	ug/L	<0.47	2.0	06/28/19 06:33	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	06/28/19 06:33	
Methylene Chloride	ug/L	<0.58	5.0	06/28/19 06:33	
n-Butylbenzene	ug/L	<0.71	2.4	06/28/19 06:33	
n-Propylbenzene	ug/L	<0.81	5.0	06/28/19 06:33	
Naphthalene	ug/L	<1.2	5.0	06/28/19 06:33	
o-Xylene	ug/L	<0.26	1.0	06/28/19 06:33	
p-Isopropyltoluene	ug/L	<0.80	2.7	06/28/19 06:33	
sec-Butylbenzene	ug/L	<0.85	5.0	06/28/19 06:33	
Styrene	ug/L	<0.47	1.6	06/28/19 06:33	
tert-Butylbenzene	ug/L	<0.30	1.0	06/28/19 06:33	
Tetrachloroethene	ug/L	<0.33	1.1	06/28/19 06:33	
Toluene	ug/L	<0.17	5.0	06/28/19 06:33	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	06/28/19 06:33	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	06/28/19 06:33	
Trichloroethene	ug/L	<0.26	1.0	06/28/19 06:33	
Trichlorofluoromethane	ug/L	<0.21	1.0	06/28/19 06:33	
Vinyl chloride	ug/L	<0.17	1.0	06/28/19 06:33	
4-Bromofluorobenzene (S)	%	98	70-130	06/28/19 06:33	
Dibromofluoromethane (S)	%	99	70-130	06/28/19 06:33	
Toluene-d8 (S)	%	101	70-130	06/28/19 06:33	

LABORATORY CONTROL SAMPLE: 1892475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.5	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	45.9	92	70-130	
1,1,2-Trichloroethane	ug/L	50	48.8	98	70-130	
1,1-Dichloroethane	ug/L	50	48.3	97	73-150	
1,1-Dichloroethene	ug/L	50	50.1	100	73-138	
1,2,4-Trichlorobenzene	ug/L	50	47.0	94	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.7	89	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	48.9	98	70-130	
1,2-Dichlorobenzene	ug/L	50	47.6	95	70-130	
1,2-Dichloroethane	ug/L	50	47.6	95	75-140	
1,2-Dichloropropane	ug/L	50	46.7	93	73-135	
1,3-Dichlorobenzene	ug/L	50	48.0	96	70-130	
1,4-Dichlorobenzene	ug/L	50	47.5	95	70-130	
Benzene	ug/L	50	48.2	96	70-130	
Bromodichloromethane	ug/L	50	47.3	95	70-130	
Bromoform	ug/L	50	43.4	87	68-129	
Bromomethane	ug/L	50	30.2	60	18-159	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

LABORATORY CONTROL SAMPLE: 1892475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	45.2	90	70-130	
Chlorobenzene	ug/L	50	48.7	97	70-130	
Chloroethane	ug/L	50	42.5	85	53-147	
Chloroform	ug/L	50	48.2	96	74-136	
Chloromethane	ug/L	50	37.4	75	29-115	
cis-1,2-Dichloroethene	ug/L	50	48.0	96	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.5	95	70-130	
Dibromochloromethane	ug/L	50	49.9	100	70-130	
Dichlorodifluoromethane	ug/L	50	26.0	52	10-130	
Ethylbenzene	ug/L	50	49.5	99	80-124	
Isopropylbenzene (Cumene)	ug/L	50	51.0	102	70-130	
m&p-Xylene	ug/L	100	101	101	70-130	
Methyl-tert-butyl ether	ug/L	50	46.8	94	54-137	
Methylene Chloride	ug/L	50	48.5	97	73-138	
o-Xylene	ug/L	50	49.0	98	70-130	
Styrene	ug/L	50	50.1	100	70-130	
Tetrachloroethene	ug/L	50	48.1	96	70-130	
Toluene	ug/L	50	48.0	96	80-126	
trans-1,2-Dichloroethene	ug/L	50	49.7	99	73-145	
trans-1,3-Dichloropropene	ug/L	50	44.5	89	70-130	
Trichloroethene	ug/L	50	49.1	98	70-130	
Trichlorofluoromethane	ug/L	50	50.6	101	76-147	
Vinyl chloride	ug/L	50	41.8	84	51-120	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			100	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

QC Batch: 325378 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40189978005, 40189978010

METHOD BLANK: 1889575 Matrix: Water
Associated Lab Samples: 40189978005, 40189978010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.075	0.22	06/24/19 11:43	
Sulfate	mg/L	<1.0	3.0	06/24/19 11:43	

LABORATORY CONTROL SAMPLE: 1889576

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	1.5	1.6	107	90-110	
Sulfate	mg/L	20	21.2	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1889577 1889578

Parameter	Units	40189978005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	<0.38	7.5	7.5	7.4	7.4	98	98	90-110	0	15	
Sulfate	mg/L	82.2	100	100	178	178	96	96	90-110	0	15	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

QC Batch: 325770 Analysis Method: EPA 310.2
QC Batch Method: EPA 310.2 Analysis Description: 310.2 Alkalinity
Associated Lab Samples: 40189978005, 40189978010

METHOD BLANK: 1891381 Matrix: Water
Associated Lab Samples: 40189978005, 40189978010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<7.0	23.5	06/27/19 08:28	

LABORATORY CONTROL SAMPLE: 1891382

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	100	89.9	90	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1891383 1891384

Parameter	Units	40189925006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	339	200	200	547	532	104	97	90-110	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

QC Batch: 325852 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 40189978010

METHOD BLANK: 1891938 Matrix: Water
Associated Lab Samples: 40189978010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.25	0.84	07/01/19 07:21	

LABORATORY CONTROL SAMPLE: 1891939

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.5	2.5	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1891940 1891941

Parameter	Units	40190084001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	4.3	2	2	6.2	6.2	94	98	80-120	1	10	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
H1	Analysis conducted outside the recognized method holding time.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 20.0155935.01 TRENT TUBE
Pace Project No.: 40189978

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40189978005	**OP-2**	EPA 8015B Modified	326290		
40189978010	**OP-3**	EPA 8015B Modified	326290		
40189978005	**OP-2**	EPA 6010	325662		
40189978010	**OP-3**	EPA 6010	325662		
40189978001	**RW-20**	EPA 8260	325412		
40189978002	**RW-21**	EPA 8260	325734		
40189978003	**OP-1**	EPA 8260	325412		
40189978004	**RW-01**	EPA 8260	325734		
40189978005	**OP-2**	EPA 8260	325412		
40189978006	**RW-22**	EPA 8260	325412		
40189978007	**RW-2**	EPA 8260	325412		
40189978008	**RW-23**	EPA 8260	325412		
40189978009	**RW-3**	EPA 8260	325734		
40189978010	**OP-3**	EPA 8260	325412		
40189978011	**RW-26**	EPA 8260	325734		
40189978012	**MW-6A**	EPA 8260	325734		
40189978013	**MW-6**	EPA 8260	325734		
40189978014	**RW-6**	EPA 8260	325734		
40189978015	**OP-4**	EPA 8260	325734		
40189978016	**RW-25**	EPA 8260	325734		
40189978017	**RW-5**	EPA 8260	325734		
40189978018	**DUP-6**	EPA 8260	325948		
40189978019	**OP-5**	EPA 8260	325766		
40189978020	**RW-4**	EPA 8260	325948		
40189978021	**RW-24**	EPA 8260	325476		
40189978022	**RW-8**	EPA 8260	325476		
40189978023	**TRIP**	EPA 8260	325476		
40189978005	**OP-2**	EPA 300.0	325378		
40189978010	**OP-3**	EPA 300.0	325378		
40189978005	**OP-2**	EPA 310.2	325770		
40189978010	**OP-3**	EPA 310.2	325770		
40189978010	**OP-3**	SM 5310C	325852		

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 2

40189978

CHAIN OF CUSTODY

(Please Print Clearly)	
Company Name:	GZA GeoENVIRONMENTAL, INC
Branch/Location:	WAUKESHA
Project Contact:	KEVEN HRDLICKA
Phone:	262-424-1761
Project Number:	20.0155935.01
Project Name:	TRENT TUBE
Project State:	WI
Sampled By (Print):	KEN OANCS
Sampled By (Sign):	
PO #:	Regulatory Program:

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	SAME
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
Si = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: VOC	Dissolved Fe, Mn	Ethene, Ethane	Nitrate / Sulfate	DOC	Alkalinity	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	FILTERED? (YES/NO)				N	Y	N	N	N	N			
	PRESERVATION (CODE)*				B	D	B	A	C	A			
001	RW-20	6/21	0846	GW	X								
002	RW-21		1007		X								
003	OP-1		0936		X								
004	RW-01		1052		X								
005	OP-2		1149		X	X	X	X		X		MSC	
006	RW-22		1234		X								
007	RW-2		1314		X								
008	RW-23		1358		X								
009	RW-3		1440		X								
010	OP-3		1525		X	X	X	X	X	X			
	AHA												

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	6/21/19 1730		
Fed Ex	6/22/19 0930		

Received By:	Date/Time:
	6/22/19 0930

PACE Project No.: 40189978
Receipt Temp = 2.01 °C
Sample Receipt pH: (OK) Adjusted
Cooler Custody Seal: Present / Not Present, Intact / Not Intact

C019a(27Jun2006)
Version 6.0 06/14/06
ORIGINAL

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
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CHAIN OF CUSTODY

4018997 8

(Please Print Clearly)	
Company Name:	GZA, GeoEnvironmental
Branch/Location:	Waukesha
Project Contact:	Kim Hollinger
Phone:	262-524-1761
Project Number:	20.0155935.01
Project Name:	Trent Tube
Project State:	WI
Sampled By (Print):	Alex Amundson
Sampled By (Sign):	
PO #:	Regulatory Program:

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	SAME
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, W = Water, B = Biota, DW = Drinking Water, C = Charcoal, GW = Ground Water, O = Oil, SW = Surface Water, S = Soil, WW = Waste Water, Sl = Sludge, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOCs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
011	RW-26	6/21/19	870	GW		N / B	X			
012	MW-6A		858							
013	MW-6		938							
014	RW-6		1014							
015	OB-4		1053							
016	RW-25		1135							
017	RW-5		1224							
018	Dup-5		—							
019	ROP-5		1255							
020	RW-4		1407							
021	RW-24		1445							
022	RW-8		1327							
023	Trip		—	—						

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	6/21/19 1700		
Fed Ex	6/22/19 0930		
			6/22/19 0930

PACE Project No.
4018997 8

Receipt Temp = 4.8 °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: G2A Project # 40189978

All containers needing preservation have been checked and noted below: ☑Yes ☐No ☐N/A Initial when completed: PG Date/ Time:

Lab Lot# of pH paper: 10153581 Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																		3															2.5 / 5 / 10
002																		2									1						2.5 / 5 / 10
003																		3															2.5 / 5 / 10
004																		3									1						2.5 / 5 / 10
005											1		1					6													✓		2.5 / 5 / 10
006																		3															2.5 / 5 / 10
007																		3															2.5 / 5 / 10
008																		3															2.5 / 5 / 10
009																		3															2.5 / 5 / 10
010			1								1		1					6													✓		2.5 / 5 / 10
011																		3															2.5 / 5 / 10
012																		3															2.5 / 5 / 10
013																		3															2.5 / 5 / 10
014																		3															2.5 / 5 / 10
015																		3															2.5 / 5 / 10
016																		2															2.5 / 5 / 10
017																		3															2.5 / 5 / 10
018																		3															2.5 / 5 / 10
019																		3															2.5 / 5 / 10
020																		3															2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : ☑Yes ☐No ☐N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: G2A

Project #: 40189978

Pace Lab #	Glass: AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	Plastic: BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	Vials: DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	WGFU	WPFU	General: SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
021																		3									1						2.5 / 5 / 10
022																		3															2.5 / 5 / 10
023																		1									1						2.5 / 5 / 10
																																	2.5 / 5 / 10
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																																	2.5 / 5 / 11
																																	2.5 / 5 / 12
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																																	2.5 / 5 / 15
																																	2.5 / 5 / 16
																																	2.5 / 5 / 17
																																	2.5 / 5 / 18
																																	2.5 / 5 / 19
																																	2.5 / 5 / 20

6/22/19 PLG

Pace Analytical 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 25Apr2018
	Document No.: **F-GB-C-031-Rev.07**	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # **WO# : 40189978**

40189978

Client Name: G2A

Courier: ☐ CS Logistics ☑ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☐ Pace Other:

Tracking #: 8148 6939 6188

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - N/A **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROI /Corr:

Temp Blank Present: ☐ yes ☑ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 6/22/19
Initials: DG

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☑Yes ☐No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No	MS/MSD: ☐Yes ☑No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Alex Amundson Date/Time: 6/21/19

Comments/ Resolution: Per Alex, run NO3 past hold due to limited lab staff on weekend. Sample set up on 6/24/19 by lab. 6/24/19 [illegible]

Project Manager Review: [signature] **Date:** 6/24/19

ATTACHMENT 4

TCE-Equivalent Mass Calculations

ATTACHMENT 4
Pre-Remediation Chlorinated Hydrocarbon Mass in Groundwater
Former Trent Tube Plant No. 1
2188 Church Street
East Troy, Wisconsin

TCE

Groundwater Depth, ft	Concentration Contour Interval	Concentration Conversion	Area Within Contour Intervals	Well Screen, Feet	Groundwater Volume (Between Contour Intervals)	Total Groundwater TCE Mass
	(µg/L)	(lbs/ft^3)	(ft^2)	(ft)	(ft^3)	(lbs)
10	5000	3.13E-04	28885	10	115540	36.21
10	500	3.13E-05	35904	10	143616	4.50
10	50	3.13E-06	92037	10	368148	1.15
10	5	3.13E-07	52494	10	209976	0.0658
					Total TCE Mass, (lbs)	41.93

TCE Equivalent Mass, (lbs)	41.93

cis-1,2 DCE

Groundwater Depth, ft	Concentration Contour Interval	Concentration Conversion	Area Within Contour Intervals	Well Screen, Feet	Groundwater Volume (Between Contour Intervals)	Total cis-1,2 DCE Mass
	(µg/L)	(lbs/ft^3)	(ft^2)	(ft)	(ft^3)	(lbs)
10	700	4.39E-05	13892	10	55568	2.44
10	70	4.39E-06	125703	10	502812	2.21
		0.00E+00			0	0.00
					Total cis-1,2 DCE Mass, (lbs)	4.64

TCE Equivalent Mass, (lbs)	6.32

Vinyl Chloride

Groundwater Depth, ft	Concentration Contour Interval	Concentration Conversion	Area Within Contour Intervals	Well Screen, Feet	Groundwater Volume (Between Contour Intervals)	Total Vinyl Chloride Mass
	(µg/L)	(lbs/ft^3)	(ft^2)	(ft)	(ft^3)	(lbs)
10	20	1.25E-06	18999	10	75996	0.0953
10	2	1.25E-07	147289	10	589156	0.0738
10	0.2	1.25E-08	97697	10	390788	0.0049
					Total VC Mass, (lbs)	0.17

TCE Equivalent Mass, (lbs)	0.37

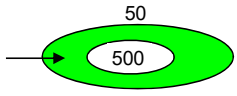
Total Mass- Pre-Remediation (lbs)	46.74
Total TCE Equivalent Mass- Pre-Remediation (lbs)	48.61

NOTES:

Concentration Contour = Contour Intervals from isoconcentration contour maps for September 2004.
Concentration Conversion

$$\frac{500\mu g}{L, H_2O} \times \frac{28.316 L, H_2O}{1 ft^3} \times \frac{2.22 \times 10^{-9} lbs}{1\mu g}$$ lbs/ft^3

Area Within Contour Intervals = Area of Outer Contour less Area of Inner Contour, ft^2



Well Screen = Length of well screen, ft
Groundwater Volume Between Contour Intervals = Area Within Contour Intervals x Well Screen x porosity, ft^3
Chlorinated Hydrocarbon Mass = Concentration Conversion x Groundwater Volume (Between Contour Intervals), lbs

TCE Equivalent Mass

TCE- Mass as calculated.

cis-1,2 DCE Conversion to TCE Equivalent Mass = Total cis-1,2 DCE Mass x 1.36

Vinyl Chloride Conversion to TCE Equivalent Mass = Total Vinyl Chloride Mass x 2.1

Conversion Factors
cis-1,2 DCE to TCE Equivalent Mass = 1.36
Vinyl Chloride to TCE Equivalent Mass = 2.1

Porosity= 0.4 (from geotechnical test results)