Limited Site Investigation Report
Blackhawk Junction
Prairie du Chien, Wisconsin

May 2021

Prepared for:

Wisconsin Department of Natural Resources
101 South Webster Street – RR/5
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Prepared by:

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Acronyms and Abbreviations

Bay West .....Bay West LLC
CFR .....Code of Federal Regulations
CoC .....chain of custody
GPS.....global positioning system
HSA .....hollow stem auger
IDW.....investigation-derived waste
mL.....milliliters
NTP .....Notice to Proceed
OSHA .....Occupational Safety and Health Administration
PVC .....Polyvinyl Chloride
QAPP.....Quality Assurance Project Plan
RCRA..... Resource Conservation and Recovery Act
SAP..... Sampling and Analysis Plan
SOP ..... standard operating procedure
SSHP ..... Site Safety and Health Plan
USEPA..... U.S. Environmental Protection Agency
UST..... Underground Storage Tank
VOCs ..... Volatile Organic Compounds
WDNR..... Wisconsin Department of Natural Resources

1.0 INTRODUCTION

Bay West LLC (Bay West) has prepared this report to provide the results of the Limited Site Investigation (LSI) activities completed at the Blackhawk Junction Property (the Site) located in Prairie du Chien, Wisconsin. This LSI is based on the scope of work requested by the Wisconsin Department of Natural Resources (WDNR) and a Sampling and Analysis Plan (SAP) prepared by Bay West LLC (Bay West) dated September 2020.

This report summarizes the Site background and problem definition, sample network design, and field investigation and sampling results.

This report is organized as follows:

- Section 1 – Introduction
- Section 2 – Site Background and Objectives
- Section 3 – Scope and Rationale of Limited Site Investigation
- Section 4 – Monitoring Well Installation and Sampling
- Section 5 – Groundwater Sampling Results
- Section 6 – Conclusions and Recommendations
- Section 7 – References

Interested Parties:

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2.0 SITE BACKGROUND AND OBJECTIVES

2.1 Site Background

The Site property is located at 700 East Blackhawk Avenue, Prairie du Chien, Crawford County, Wisconsin 54738 (**Figure 1**), and is approximately 9.13 acres in size. The Property is a largely vacated site that was built over a 20-year period beginning in 1962. It has historically operated with multiple commercial, service and retail operations, with multiple drycleaners functioning onsite. The Property is currently improved with two buildings: one approximately 60,000 square foot vacant building and one approximately 20,000 square foot commercial building occupied by H & R Block, Mississippi Meats, and Associated Bank (**Figure 1**).

Per the Crawford County Interactive Parcel Application Map, the parcel identification numbers (PIDs) for the Property are 27107490000 & 27107500000. The center of the Property is located at latitude 43.0512140° and longitude -91.1368730° (decimal degrees). The Property is not platted through the Public Land Survey System based on its location in the un-platted City of Prairie du Chien.

The property is improved with a shopping center and parking lots, with one of the two remaining on-site buildings currently occupied, addressed as 700 E Blackhawk Ave. Current Property tenants in the 700 E Blackhawk Ave building include Associated Bank, H & R Block, Mississippi Meats, and Suppz Gym. The other building was vacant at the time of the Bay West Phase I ESA in October 2019.

Available historical information indicates the Property has been improved by commercial retail buildings since the 1960s. It has historically operated with multiple commercial, service and retail operations, including a car wash/gasoline service station and several dry cleaning tenants.

In 1991, tetrachloroethene (PCE) was detected in the soil and groundwater on the site after chlorinated volatile organic compound (CVOC) contamination was detected in two nearby municipal wells. Limited assessments were conducted in 2009-2010 (Ayres 2009 and 2010), but the nature, degree, and extent of contamination is unknown; providing a barrier to redevelopment. A fire destroyed a significant part of the larger building in 2014 including the area where the drycleaners had been located. Crawford County acquired the Site through tax forfeiture in June 2019.

In October 2019 Bay West conducted a Phase I ESA on the Site on behalf of the WDNR. Bay West's Phase I report identified the following recognized environmental conditions (RECs) and vapor encroachment concerns (VECs) associated with the Site:

- The documented presence of PCE and other CVOCs in soil, groundwater, and soil vapor at locations onsite and in the surrounding area represents a REC and a VEC for the Property.
- The potential for a release from USTs associated with a former gasoline service station/car wash and associated pump island located in the northeastern portion of the Property represent a REC and VEC for the Property.

Bay West completed a Phase II ESA on the Site in March 2020; this scope of work included advancing eight soil borings (SB-01 through SB-08) to depths of 30 feet below ground surface (bgs) near the former dry cleaners (SB-01 through SB-04), and to depths of 15 feet bgs near the former car wash/gasoline service station (SB-05 through SB-08). Soil samples were collected near the boring terminus for analysis of contaminants of concern related to the historical uses of the property as a dry cleaner and service station.

All soil samples collected during this Phase II were analyzed for volatile organic compounds (VOCs); soil samples collected from SB-05 through SB-08 were also analyzed for Resource Conservation and Recovery Act (RCRA) metals and diesel-range organics (DRO). Soil sample laboratory results were compared to Wisconsin Administrative Code § NR 720 non-industrial direct contact residual contaminant levels (RCLs) and protection of groundwater RCLs. None of the analytes were detected at concentrations exceeding Wisconsin Department of Natural Resources (WDNR) non-industrial direct contact RCLs or protection of groundwater RCLs, except for PCE and arsenic as described. PCE was detected at an estimated concentration above the protection of groundwater RCL in SB-03 (23-25). Arsenic was detected at estimated concentrations above the groundwater RCL, but below the background threshold value in SB-05 (4-8), SB-06 (4-8), and SB-07 (4-8).

Bay West collected groundwater samples from four of the soil boring locations (SB-01 through SB-04) near the former dry cleaner. Groundwater samples were analyzed for VOCs. Laboratory results of groundwater samples were compared to Wisconsin Administrative Code § NR 140 Enforcement Standards (ES) and Preventive Action Limits (PALs). Laboratory analysis of the groundwater samples did not indicate the presence of VOCs at concentrations greater than their respective NR 140 PALs and/or ESs with the exception of PCE. PCE concentrations were above the NR 140 PALs in all groundwater samples collected. Furthermore, PCE concentrations were above the NR 140 ES of 5 micrograms per liter in groundwater samples collected from SB-03 and SB-04.

Soil vapor samples were collected for analysis of VOCs in order to assess potential vapor intrusion concerns. PCE was detected at concentrations exceeding WDNR Sub-Slab Air Vapor Limits for residential use in samples collected from SV-02, SV-03, and SV-04. None of the other analytes were detected at concentrations exceeding WDNR Sub-Slab Air Vapor Limits for residential use.

In August 2020 the WDNR requested that Bay West conduct additional groundwater assessment activities near the former dry cleaner building. Specifically, the WDNR requested that Bay West install monitoring wells and conduct groundwater sampling to define the degree and extent of PCE contamination in groundwater to the west, southwest, and east of the former dry cleaners building.

2.2 Limited Site Investigation Objectives

The objective of this LSI was to delineate the degree and extent of PCE contamination in groundwater at the Site. Specifics of the sampling design are provided in **Section 3.0** , a summary of the field activities is provided in **Section 4.0**, and the results of the groundwater sampling activities are provided in **Section 5.0**.

2.3 Safety and Security

Site safety and security was addressed in the Site Safety and Health Plan (SSHP). All field staff maintain health and safety training to ensure compliance with Occupational Safety and Health Administration (OSHA) as established in 29 Code of Federal Regulations (CFR) 1910.120 and 29 CFR 1910.126 (as applicable).

3.0 SCOPE AND RATIONALE OF LIMITED SITE INVESTIGATION

Previous groundwater sampling work completed at the Site had not delineated the extent and magnitude of groundwater contamination and a network of wells did not exist to document the plume stability and degradation. To complete the delineation, Bay West completed the following scope of work:

- Prior to well installation activities Bay West located buried utilities in the project area through the Wisconsin Diggers Hotline one-call system. The drilling contractor also utilized a private utility locator as needed.
- Advanced five hollow-stem auger borings to depths of approximately 30 feet below grade at the locations illustrated on **Figure 1**. These borings were completed as 2-inch diameter PVC monitoring wells with 15-foot screens set at approximately 15-30 feet below grade. The well locations were intended to provide an upgradient clean well (MW-1), a source well (MW-3), two side-gradient delineation wells, (MW-2 and MW-4), and one down gradient clean well (MW-5).
- Surveyed the top of casing elevations of the newly installed monitoring wells to allow for groundwater elevation contouring.
- Conducted two rounds of groundwater sampling at the 5-well network (February and April 2021).
- Collected groundwater samples using a low-flow sampling method following stabilization of field parameters. The samples were submitted to Pace Analytical Services for analysis of VOCs using EPA Method 8260.

4.0 MONITORING WELL INSTALLATION AND SAMPLING

Bay West mobilized with a drilling contractor (Badger State Drilling) to install the five monitoring well network in January 2021. Subsequent groundwater sampling events were completed in February and April 2021 in accordance with the approved LSI Sampling and Analysis Plan SAP. This section describes the well installation and sampling activities.

4.1 Monitoring Well Installation

4.1.1 Soil Boring/Well Installation

The soil borings were completed using 4.25-inch inside diameter hollow stem augers advanced to approximately 30 feet below grade.

The lithology observed at the boring locations can be characterized as silty sand and silty clay from the ground surface to a depth of 3 to 5 feet below grade. These fine-grained soils were underlain primarily by well graded coarse-grained sand to depths of approximately 26 feet below grade. Bay West was unable to log the boring lithology below 26 feet because of sand sloughing and blow-up in the augers. The fact this sloughing and blow-up was occurring is an indication that these primarily sand sediments continued to the termination depth of the borings at 30 feet below grade. Detailed boring lithology is included on the boring logs in **Appendix A**.

The driller then installed 2-inch diameter PVC monitoring wells with 15-foot screens set at approximately 15-30 feet below grade at each boring location. Monitoring wells MW-01 through MW-04 were completed as above-grade completions with protective casings and locking caps. Monitoring well MW-05, located to the west of the Site in a nearby alley was completed as a flush grade well. Borings logs and well construction diagrams are included in **Appendix A**. A summary of well construction information is included in **Table 1**.

Following installation, a sub-meter global positioning system (GPS) unit was used to map all well locations. The well locations are depicted on **Figure 1**.

4.1.2 Surveying

Following installation of the new monitoring wells, Bay West field staff surveyed their top of casing and ground surface elevations using a laser survey level. Elevation measurements were tied to an arbitrary 100-foot datum with a nearby manhole as a benchmark which allowed Bay West to contour groundwater elevations from the five wells and evaluate groundwater flow direction. Well survey information is provided in **Table 1**.

4.2 Monitoring Well Sampling

4.2.1 Groundwater Sampling

Prior to purging and groundwater sample collection Bay West gauged groundwater levels in all wells using an electronic water level indicator. Water level measurements were collected to the nearest hundredth of a foot.

Bay West used low-flow sampling techniques to purge and sample the wells. The low-flow method involves purging the well at a low rate (<0.5 liters/minute) while maintaining little or no drawdown within the well column, leaving stagnant water above the well screen in place while drawing directly from the aquifer. This method minimizes the potential for raising the turbidity in the well which could bias both inorganic and organic results.

Bay West sampled the wells using either a peristaltic pump and high-density polyethylene tubing or a low-flow bladder pump with high-density polyethylene tubing. Once the well drawdown stabilized, a flow through cell was connected to the purge line and the following parameters were

measured and recorded every 3 to 5 minutes until all parameters stabilized for three consecutive readings or until a maximum of 1 hour:

Parameter	Stabilization Criteria
Conductivity (mS/cm3)	+/- 5% mS/cm3
Dissolved Oxygen (mg/L)	+/- 0.5 mg/L
ORP (mV)	+/- 20 mV
pH	± 0.1 unit
Temperature (°C)	+/- 0.1 °C
Turbidity (NTU)	<= 5 NTU

4.2.2 Field Documentation

A field notebook was used to record field-collected data. Data recorded in the field included the following:

- The date, names of sampling crew members, and general weather conditions;
- A description of daily field activities, sample collection information, other pertinent observations, and any deviations from the approved SAP.

4.3 Laboratory Analytical Procedures

Bay West submitted groundwater samples collected at the monitoring wells for analysis of VOCs. Using EPA method 8260D. Samples were collected in laboratory-provided 40 milliliter vials preserved with hydrochloric acid per the approved SAP. In accordance with the programmatic QAPP and updates (Bay West, 2017), Bay West collected field duplicate samples for analysis using identical recovery techniques and treated in an identical manner during storage, transportation, and analysis. Field duplicate samples were collected at a frequency of 1 per 20 samples per matrix per analyte. Since less than twenty groundwater samples were collected per sampling event, one field duplicate was collected for each event.

Chain of custody (CoC) forms were used to track all samples from the time of sampling to the arrival of samples at the laboratory. Field personnel maintained their copy while the other copies were enclosed in a waterproof enclosure within the shipping container. The laboratory, upon receiving the samples, signed the remaining copies and kept one copy for its records.

4.4 Investigation Derived Waste

Soil cuttings generated during drilling activities were thin spread on-site. Groundwater sampling purge water was discharged to the ground surface.

Spent personal protective equipment such as sampling gloves, excess glassware, paper towels, etc. was placed in trash bags and disposed of as municipal solid waste in a trash receptacle at Bay West's office in St. Paul, Minnesota.

5.0 GROUNDWATER SAMPLING RESULTS

Bay West conducted two rounds of groundwater sampling at the five monitoring wells under the approved SAP. The first sampling event was completed on February 1 and 2, 2021. The second sampling event was completed on April 7 and 8, 2021. This section summarizes the results of groundwater elevation measurements and groundwater sample analysis.

5.1 Groundwater Elevations and Flow

Groundwater elevation data was collected during each sampling event prior to purging and sampling the wells for laboratory analysis. Groundwater depth measurements are summarized in **Table 2**.

Depth to groundwater during the sampling events ranged from 20.02 to 24.12 feet below the top of the well casings (approximately 17 to 21 feet below ground surface). Bay West generated groundwater elevation contours based on the depth to water measurements. The groundwater elevation contours are depicted on **Figures 2 and 3**. Based on the groundwater elevation contours, groundwater flow at the Site appears to be to the west-southwest under an approximate hydraulic gradient of 0.00033 to 0.00079 feet per foot. Therefore, the sandy surficial aquifer is likely very transmissive, resulting in a flat water table with only a slight hydraulic gradient to the west-southwest.

5.2 Groundwater Analytical Results

Groundwater samples collected during the February and April 2021 sampling events were submitted to Pace Analytical for analysis of VOCs by EPA method 8260. Laboratory results for groundwater samples collected on the Site were compared to Wis. Admin. Code § NR 140 Enforcement Standards (ES) and Preventive Action Limits (PAL). Results of the groundwater analysis are presented in **Table 3**, and copies of the laboratory analytical reports are included in **Appendix B**.

In February 2021, PCE was detected in all five monitoring wells at concentrations ranging from 0.92 µg/L at MW-01 to 228 µg/L at MW-04. The PCE concentrations exceeded the WDNR ES of 5 µg/L at wells MW-02 (11.9 µg/L), MW-03 (25.2 µg/L), and MW-04 (228 µg/L). **Figure 2** illustrates the inferred extent of PCE in groundwater based on the February 2021 monitoring well data combined with the historical groundwater data collected by others.

In April 2021, PCE was detected in four of the five monitoring wells at concentrations ranging from 0.96 µg/L at MW-05 to 8.7 µg/L at MW-02. The PCE concentrations exceeded the WDNR ES of 5 µg/L at wells MW-02 (8.7 µg/L), MW-03 (5.2 µg/L), and MW-04 (8.3 µg/L). **Figure 3** illustrates the inferred extent of PCE in groundwater based on the April 2021 monitoring well data.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Bay West installed five permanent monitoring wells on and near the Blackhawk Junction site. The well network was intended to provide a clean up-gradient well, a source well, two side-gradient delineation wells, and a down-gradient clean well.

Bay West collected two rounds of groundwater samples from the five wells. Results of the analysis confirmed the presence of PCE in groundwater at concentrations exceeding the WDNR ESs on the Site. The upgradient well (MW-01) and the down-gradient well (MW-05) have both contained PCE as well; however, at concentrations below the ES.

The well network appears to confirm that the PCE plume is migrating off-site to the west-southwest, likely at concentrations exceeding the ES. Based on the data collected to date, there may be a data gap in the well network to the southwest of the Site that may not be capturing the southwest extent of the plume. Also, two rounds of groundwater sampling completed two months apart is not an adequate dataset to evaluate plume stability and degradation.

Based on the data collected to date, Bay West recommends the following:

- Additional groundwater monitoring on a recurring basis (quarterly or semi-annually) to evaluate plume stability and degradation.
- Collection of aquifer characterization parameters to assess the ability of the aquifer to naturally degrade and attenuate the observed PCE. These parameters may include total dissolved solids, dissolved oxygen, total organic carbon, oxidation/reduction potential, pH, etc.
- Collection of groundwater samples from temporary direct-push borings southwest of the Site across East Wisconsin Street to evaluate the southwesterly extent of PCE contamination and confirm the extent and magnitude of the PCE plume.
- Vertical profile groundwater sampling in the aquifer using direct-push sampling methods and temporary wells to assess of chlorinated hydrocarbons have migrated vertically in the aquifer.
- Longer term - potential installation of one or more additional off-site monitoring wells to complete the groundwater monitoring network.

If you have any questions or concerns regarding this Sampling and Analysis Plan, please contact me at rickv@baywest.com.

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Reviewed by:

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Project Geologist

7.0 REFERENCES

Ayres Associates, 2009. Limited Contamination Assessment, Blackhawk Dry Cleaners, 700 E. Blackhawk, Prairie du Chien, WI. May.

Ayres Associates, 2010. Contamination Assessment, Blackhawk Dry Cleaners, 700 E. Blackhawk, Prairie du Chien, WI. March.

Bay West LLC (Bay West), 2019. Phase I Environmental Site Assessment, Blackhawk Junction, 700 East Blackhawk Avenue, Prairie du Chien, Wisconsin 53821. November.

Bay West, 2020. Phase II Environmental Site Assessment Report, Blackhawk Junction, 700 East Blackhawk Avenue, Prairie du Chien, Wisconsin 53821. April.

Bay West, 2020. Limited Site Investigation Sampling and Analysis Plan, Blackhawk Junction, Prairie du Chien, Wisconsin. September.

Figures

Figure 1

Site Map with Monitoring Well Locations

Blackhawk Junction
LSI

700 East Blackhawk Avenue
Prairie du Chien, WI 53821

Map Projection: NAD 1983 UTM Zone 15N, Meters
Basemap: Wisconsin DNR Aerial Imagery, 2015

0 50 100 150 200 Feet
0 20 40 60 Meters

- Monitoring Well Location
- Completed Soil Boring/Soil Vapor/Groundwater Sample (Bay West 2020)
- Previous Soil Borings (Ayres 2009/2010)
- Assumed Groundwater Flow Direction
- Site Features
- 2014 Burn Site (Approximate)
- Site Boundary
- Parcel Boundaries

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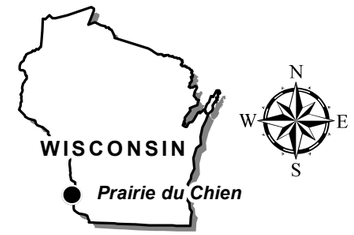
Y:\Clients\WISCONSIN_DEPT_OF_NATURAL_RESOURCES\Blackhawk_Junction\MapDocs\J200827\001_LSI\J200827 FIG 1 Site Map with Monitoring Well Locations.mxd

Figure 2

Groundwater Results (February 2021)

Blackhawk Junction LSI

700 East Blackhawk Avenue
Prairie du Chien, WI 53821



Map Projection: NAD 1983 UTM Zone 15N, Meters
Basemap: Wisconsin DNR Aerial Imagery, 2015

0 50 100 150 200 Feet
0 20 40 60 Meters

- Monitoring Well Location
- Completed Soil Boring/Soil Vapor/Groundwater Sample (Bay West 2020)
- Previous Soil Borings (Ayres 2009/2010)
- Assumed Groundwater Flow Direction
- (80.58) Groundwater Elevation (February 2021)
- Groundwater Contour Elevation Line (ft)
- Site Features
- 2014 Burn Site (Approximate)
- Site Boundary
- Parcel Boundaries

Note:

PCE/TCE Results are shown in µg/L

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Y:\Clients\WISCONSIN_DEPT_OF_NATURAL_RESOURCES\Blackhawk_Junction\MapDocs\J200827\001_LSI\J200827 FIG 2 Groundwater Results (February 2021).mxd

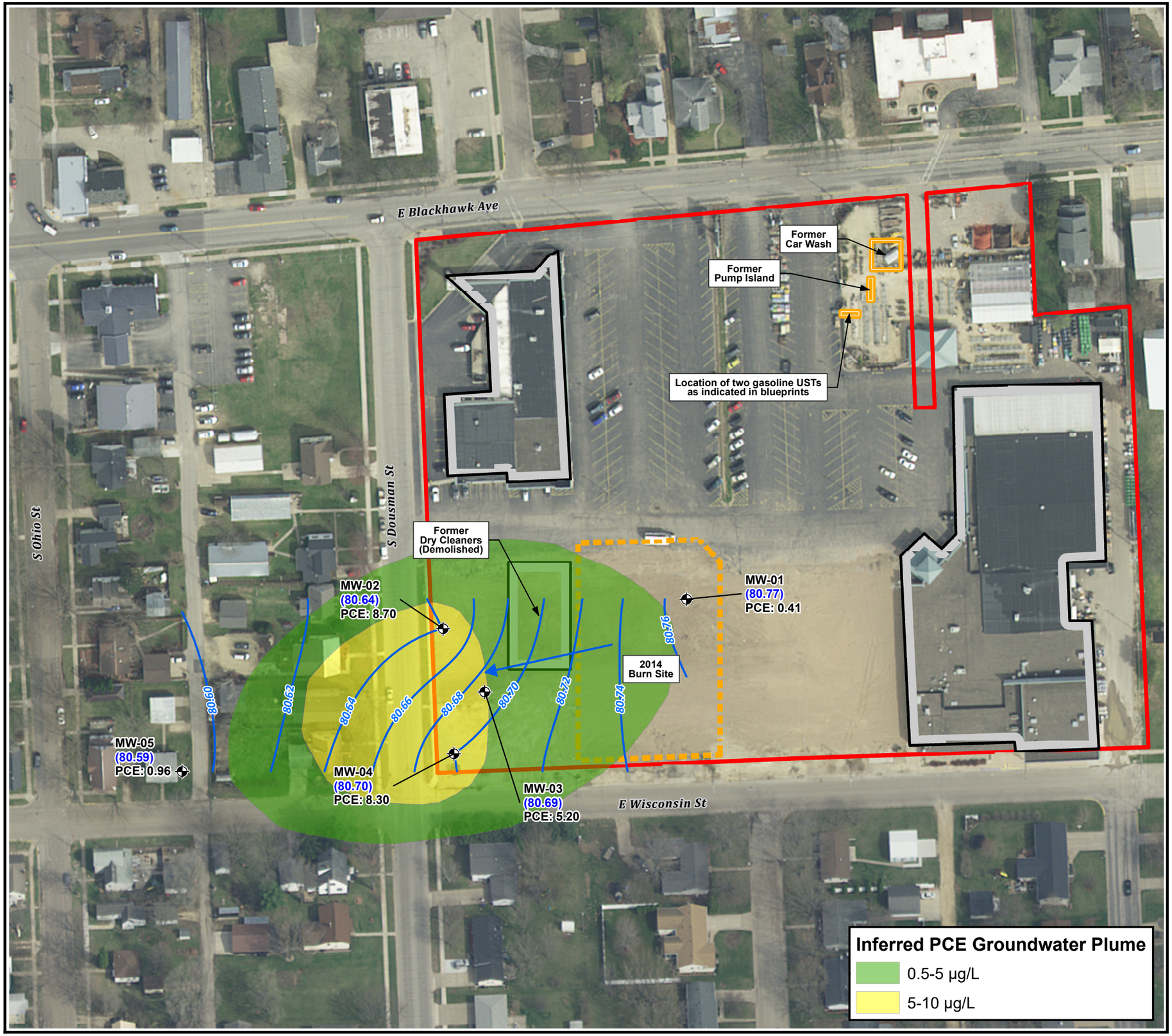

Figure 3

Groundwater Results (April 2021)

Blackhawk Junction LSI

700 East Blackhawk Avenue
Prairie du Chien, WI 53821

Map Projection: NAD 1983 UTM Zone 15N, Meters
Basemap: Wisconsin DNR Aerial Imagery, 2015

0 50 100 150 200 Feet
0 20 40 60 Meters

- Monitoring Well Location
- Completed Soil Boring/Soil Vapor/Groundwater Sample (Bay West 2020)
- Previous Soil Borings (Ayres 2009/2010)
- Assumed Groundwater Flow Direction
- (80.58) Groundwater Elevation (February 2021)
- Groundwater Contour Elevation Line (ft)
- Site Features
- 2014 Burn Site (Approximate)
- Site Boundary
- Parcel Boundaries

Note:

PCE/TCE Results are shown in µg/L

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Y:\Clients\WISCONSIN_DEPT_OF_NATURAL_RESOURCES\Blackhawk_Junction\MapDocs\J200827\001_LSI\J200827 FIG 3 Groundwater Results (April 2021).mxd

Tables

TABLE 1
Well Construction Summary
Blackhawk Junction

MW ID	Northing	Easting	DEM Elevation (Ft)	Relative Survey Elevation [Ft]	Elevation Source	Top of Screen [ft]	Bottom of Screen [ft]	Collection Type
MW-01	4768162.49	651717.81	638	103.87	TOC	86.37	72.52	Laser Level
MW-02	4768150.59	651637.06	641	104.14	TOC	88.14	73.73	Laser Level
MW-03	4768129.78	651655.43	639	104.54	TOC	87.04	71.80	Laser Level
MW-04	4768107.89	651642.14	638	103.55	TOC	86.05	71.29	Laser Level
MW-05	4768105.43	651556.35	640	100.61	TOC	85.61	70.86	Laser Level

TABLE 2
Groundwater Elevations
Blackhawk Junction

MW_ID	Relative Survey Elevation [Ft]	Elevation Source	Date	Depth to Water [ft]	Groundwater Elevation [ft]	Top of Screen [ft]	Bottom of Screen [ft]
MW-01	103.87	TOC	2/1/2021	23.29	80.58	86.37	72.52
			4/7/2021	23.10	80.77		
MW-02	104.14	TOC	2/1/2021	23.79	80.35	88.14	73.73
			4/8/2021	23.50	80.64		
MW-03	104.54	TOC	2/2/2021	24.12	80.42	87.04	71.80
			4/8/2021	23.85	80.69		
MW-04	103.55	TOC	2/2/2021	23.23	80.32	86.05	71.29
			4/8/2021	22.85	80.70		
MW-05	100.61	TOC	2/2/2021	20.45	80.16	85.61	70.86
			4/8/2021	20.02	80.59		

TOC: Top of casing elevation (relative)

TABLE 3
Groundwater Analytical Results
Blackhawk Junction

Sample ID	WIDNR NR140 ES (µg/L)	WIDNR NR140 PAL (µg/L)	MW-01		MW-02		MW-03		MW-04		MW-04-D		MW-05	
Date Sampled			2/1/2021	4/7/2021	2/1/2021	4/8/2021	2/2/2021	4/8/2021	2/2/2021	4/8/2021	2/2/2021	4/8/2021	2/2/2021	4/8/2021
Volatile Organic Compounds (by methods EPA 8260D & SW8260B); µg/L														
1,1,1,2-Tetrachloroethane	70	7	< 0.44	< 1.0	< 0.44	< 1.0	< 0.44	< 1.0	< 0.44	< 1.0	< 0.44	< 1.0	< 0.44	< 1.0
1,1,1-Trichloroethane	200	40	< 0.57	< 1.0	< 0.57	< 1.0	< 0.57	< 1.0	< 0.57	< 1.0	< 0.57	< 1.0	< 0.57	< 1.0
1,1,2,2-Tetrachloroethane	0.2	0.02	< 0.53	< 1.0	< 0.53	< 1.0	< 0.53	< 1.0	< 0.53	< 1.0	< 0.53	< 1.0	< 0.53	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	NE	NE	< 1.0	< 5.0	< 1.0	< 5.0	< 1.0	< 5.0	< 1.0	< 5.0	< 1.0	< 5.0	< 1.0	< 5.0
1,1,2-Trichloroethane	5	0.5	< 0.64	< 5.0	< 0.64	< 5.0	< 0.64	< 5.0	< 0.64	< 5.0	< 0.64	< 5.0	< 0.64	< 5.0
1,1-Dichloroethane	850	85	< 0.55	< 1.0	< 0.55	< 1.0	< 0.55	< 1.0	< 0.55	< 1.0	< 0.55	< 1.0	< 0.55	< 1.0
1,1-Dichloroethene	7	0.7	< 0.42	< 1.0	< 0.42	< 1.0	< 0.42	< 1.0	< 0.42	< 1.0	< 0.42	< 1.0	< 0.42	< 1.0
1,1-Dichloropropene	NE	NE	< 0.74	< 1.0	< 0.74	< 1.0	< 0.74	< 1.0	< 0.74	< 1.0	< 0.74	< 1.0	< 0.74	< 1.0
1,2,3-Trichlorobenzene	NE	NE	< 0.57	< 5.0	< 0.57	< 5.0	< 0.57	< 5.0	< 0.57	< 5.0	< 0.57	< 5.0	< 0.57	< 5.0
1,2,3-Trichloropropane	60	12	< 2.0	< 5.0	< 2.0	< 5.0	< 2.0	< 5.0	< 2.0	< 5.0	< 2.0	< 5.0	< 2.0	< 5.0
1,2,4-Trichlorobenzene	70	14	< 0.63	< 5.0	< 0.63	< 5.0	< 0.63	< 5.0	< 0.63	< 5.0	< 0.63	< 5.0	< 0.63	< 5.0
1,2,4-Trimethylbenzene	NE	NE	< 0.57	< 1.0	< 0.57	< 1.0	< 0.57	< 1.0	< 0.57	< 1.0	< 0.57	< 1.0	< 0.57	< 1.0
1,2-Dibromo-3-Chloropropane	0.2	0.02	< 4.2	< 5.0	< 4.2	< 5.0	< 4.2	< 5.0	< 4.2	< 5.0	< 4.2	< 5.0	< 4.2	< 5.0
1,2-Dibromoethane	0.05	0.005	< 0.60	< 1.0	< 0.60	< 1.0	< 0.60	< 1.0	< 0.60	< 1.0	< 0.60	< 1.0	< 0.60	< 1.0
1,2-Dichlorobenzene	600	60	< 0.45	< 1.0	< 0.45	< 1.0	< 0.45	< 1.0	< 0.45	< 1.0	< 0.45	< 1.0	< 0.45	< 1.0
1,2-Dichloroethane	5	0.5	< 0.85	< 1.0	< 0.85	< 1.0	< 0.85	< 1.0	< 0.85	< 1.0	< 0.85	< 1.0	< 0.85	< 1.0
1,2-Dichloropropane	5	0.5	< 0.46	< 1.0	< 0.46	< 1.0	< 0.46	< 1.0	< 0.46	< 1.0	< 0.46	< 1.0	< 0.46	< 1.0
1,3,5-Trimethylbenzene	NE	NE	< 0.41	< 1.0	< 0.41	< 1.0	< 0.41	< 1.0	< 0.41	< 1.0	< 0.41	< 1.0	< 0.41	< 1.0
1,3-Dichlorobenzene	600	120	< 0.39	< 1.0	< 0.39	< 1.0	< 0.39	< 1.0	< 0.39	< 1.0	< 0.39	< 1.0	< 0.39	< 1.0
1,3-Dichloropropane	NE	NE	< 0.43	< 1.0	< 0.43 J	< 1.0	< 0.43 J	< 1.0	< 0.43 J	< 1.0	< 0.43	< 1.0	< 0.43 J	< 1.0
1,4-Dichlorobenzene	75	15	< 0.27	< 1.0	< 0.27	< 1.0	< 0.27	< 1.0	< 0.27	< 1.0	< 0.27	< 1.0	< 0.27	< 1.0
2,2-Dichloropropane	NE	NE	< 0.66	< 5.0	< 0.66	< 5.0	< 0.66	< 5.0	< 0.66	< 5.0	< 0.66	< 5.0	< 0.66	< 5.0
2-Butanone (MEK)	4000	800	< 2.9	< 25	< 2.9	< 25	< 2.9	< 25	< 2.9	< 25	< 2.9	< 25	< 2.9	< 25
2-Chlorotoluene	NE	NE	< 0.55	< 5.0	< 0.55	< 5.0	< 0.55	< 5.0	< 0.55	< 5.0	< 0.55	< 5.0	< 0.55	< 5.0
3-Chloropropene	NE	NE	< 0.90 J	< 5.0	< 0.90 J	< 5.0	< 0.90 J	< 5.0	< 0.90 J	< 5.0	< 0.90 J	< 5.0	< 0.90 J	< 5.0
4-Chlorotoluene	NE	NE	< 0.17	< 5.0	< 0.17	< 5.0	< 0.17	< 5.0	< 0.17	< 5.0	< 0.17	< 5.0	< 0.17	< 5.0
4-Isopropyltoluene	NE	NE	< 0.59	< 5.0	< 0.59	< 5.0	< 0.59	< 5.0	< 0.59	< 5.0	< 0.59	< 5.0	< 0.59	< 5.0
4-Methyl-2-pentanone (MIBK)	500	50	< 1.8	< 25	< 1.8	< 25	< 1.8	< 25	< 1.8	< 25	< 1.8	< 25	< 1.8	< 25
Acetone	9000	1800	< 8.4	< 25	< 8.4	< 25	< 8.4	< 25	< 8.4	< 25	< 8.4	< 25	< 8.4	< 25
Benzene	5	0.5	< 0.40	< 1.0	< 0.40	< 1.0	< 0.40	< 1.0	< 0.40	< 1.0	< 0.40	< 1.0	< 0.40	< 1.0
Bromobenzene	NE	NE	< 0.44	< 1.0	< 0.44	< 1.0	< 0.44	< 1.0	< 0.44	< 1.0	< 0.44	< 1.0	< 0.44	< 1.0
Bromochloromethane	NE	NE	< 1.2	< 5.0	< 1.2	< 5.0	< 1.2	< 5.0	< 1.2	< 5.0	< 1.2	< 5.0	< 1.2	< 5.0
Bromodichloromethane	0.6	0.06	< 0.38	< 1.0	< 0.38	< 1.0	< 0.38	< 1.0	< 0.38	< 1.0	< 0.38	< 1.0	< 0.38	< 1.0
Bromoform	4.4	0.44	< 0.90 J	< 5.0	< 0.90 J	< 5.0	< 0.90 J	< 5.0	< 0.90 J	< 5.0	< 0.90 J	< 5.0	< 0.90 J	< 5.0
Bromomethane	10	1	< 2.1	< 5.0	< 2.1	< 5.0	< 2.1	< 5.0	< 2.1	< 5.0	< 2.1	< 5.0	< 2.1	< 5.0
Carbon tetrachloride	5	0.5	< 0.56	< 1.0	< 0.56	< 1.0	< 0.56	< 1.0	< 0.56	< 1.0	< 0.56	< 1.0	< 0.56	< 1.0
Chlorobenzene	100	20	< 0.25	< 1.0	< 0.25	< 1.0	< 0.25	< 1.0	< 0.25	< 1.0	< 0.25	< 1.0	< 0.25	< 1.0
Chloroethane	400	80	< 1.4	< 5.0	< 1.4	< 5.0	< 1.4	< 5.0	< 1.4	< 5.0	< 1.4	< 5.0	< 1.4	< 5.0
Chloroform	6	0.6	< 1.6	< 5.0	< 1.6	< 5.0	< 1.6	< 5.0	< 1.6	< 5.0	< 1.6	< 5.0	< 1.6	< 5.0
Chloromethane	30	3	< 0.49	< 5.0	< 0.49	< 5.0	< 0.49	< 5.0	< 0.49	< 5.0	< 0.49	< 5.0	< 0.49	< 5.0
cis-1,2-Dichloroethene	70	7	< 0.66	< 1.0	< 0.66	< 1.0	< 0.66	< 1.0	< 0.66	< 1.0	< 0.66	< 1.0	< 0.66	< 1.0
cis-1,3-Dichloropropene	NE	NE	< 0.26	< 1.0	< 0.26	< 1.0	< 0.26	< 1.0	< 0.26	< 1.0	< 0.26	< 1.0	< 0.26	< 1.0
Dibromochloromethane	60	6	< 0.66	< 5.0	< 0.66	< 5.0	< 0.66	< 5.0	< 0.66	< 5.0	< 0.66	< 5.0	< 0.66	< 5.0
Dibromomethane	NE	NE	< 0.51	< 5.0	< 0.51	< 5.0	< 0.51	< 5.0	< 0.51	< 5.0	< 0.51	< 5.0	< 0.51	< 5.0
Dichlorodifluoromethane	1000	200	< 0.65	< 5.0	< 0.65	< 5.0	< 0.65	< 5.0	< 0.65	< 5.0	< 0.65	< 5.0	< 0.65	< 5.0
Dichlorofluoromethane	NE	NE	< 0.63	< 5.0	< 0.63	< 5.0	< 0.63	< 5.0	< 0.63	< 5.0	< 0.63	< 5.0	< 0.63	< 5.0
Diethylether	1000	100	< 0.58 J	< 5.0	< 0.58 J	< 5.0	< 0.58 J	< 5.0	< 0.58 J	< 5.0	< 0.58 J	< 5.0	< 0.58 J	< 5.0
Ethylbenzene	700	140	< 0.25	< 1.0	< 0.25	< 1.0	< 0.25	< 1.0	< 0.25	< 1.0	< 0.25	< 1.0	< 0.25	< 1.0
Hexachlorobutadiene	NE	NE	< 1.3	< 5.0	< 1.3	< 5.0	< 1.3	< 5.0	< 1.3	< 5.0	< 1.3	< 5.0	< 1.3	< 5.0
Isopropylbenzene	NE	NE	< 0.44	< 5.0	< 0.44	< 5.0	< 0.44	< 5.0	< 0.44	< 5.0	< 0.44	< 5.0	< 0.44	< 5.0
Methyl tert-butyl ether	60	12	< 0.39	< 5.0	< 0.39	< 5.0	< 0.39	< 5.0	< 0.39	< 5.0	< 0.39	< 5.0	< 0.39	< 5.0
Methylene Chloride	5	0.5	< 3.7 J	< 5.0	< 3.7 J	< 5.0	< 3.7 J	< 5.0	< 3.7 J	< 5.0	< 3.7 J	< 5.0	< 3.7 J	**0.34 J**
m-Xylene & p-Xylene	NE	NE	< 0.96	---	< 0.96	---	< 0.96	---	< 0.96	---	< 0.96	---	< 0.96	---
Naphthalene	100	10	< 2.3	< 5.0	< 2.3	< 5.0	< 2.3	< 5.0	< 2.3	< 5.0	< 2.3	< 5.0	< 2.3	< 5.0
n-Butylbenzene	NE	NE	< 0.52	< 1.0	< 0.52	< 1.0	< 0.52	< 1.0	< 0.52	< 1.0	< 0.52	< 1.0	< 0.52	< 1.0
n-Propylbenzene	NE	NE	< 0.61	< 1.0	< 0.61	< 1.0	< 0.61	< 1.0	< 0.61	< 1.0	< 0.61	< 1.0	< 0.61	< 1.0
o-Xylene	NE	NE	< 0.50	---	< 0.50	---	< 0.50	---	< 0.50	---	< 0.50	---	< 0.50	---
sec-Butylbenzene	NE	NE	< 0.49	< 1.0	< 0.49	< 1.0	< 0.49	< 1.0	< 0.49	< 1.0	< 0.49	< 1.0	< 0.49	< 1.0
Styrene	100	10	< 0.37	< 1.0	< 0.37	< 1.0	< 0.37	< 1.0	< 0.37	< 1.0	< 0.37	< 1.0	< 0.37	< 1.0
tert-Butylbenzene	NE	NE	< 0.43	< 1.0	< 0.43	< 1.0	< 0.43	< 1.0	< 0.43	< 1.0	< 0.43	< 1.0	< 0.43	< 1.0
Tetrachloroethene	5	0.5	**0.92**	< 1.0	**11.9**	**8.7**	**25.2**	**5.2**	**228**	**8.3**	**222**	**8.3**	**2.0**	**0.96 J**
Tetrahydrofuran	50	10	< 11.3	< 25	< 11.3	< 25	< 11.3	< 25	< 11.3	< 25	< 11.3	< 25	< 11.3	< 25
Toluene	800	160	< 0.41	< 1.0	< 0.41	< 1.0	< 0.41	< 1.0	< 0.41	< 1.0	< 0.41	< 1.0	< 0.41	< 1.0
trans-1,2-Dichloroethene	100	20	< 0.64 J	< 1.0	< 0.64 J	< 1.0	< 0.64 J	< 1.0	< 0.64 J	< 1.0	< 0.64 J	< 1.0	< 0.64 J	< 1.0
trans-1,3-Dichloropropene	NE	NE	< 1.0 J	< 5.0	< 1.0	< 5.0	< 1.0	< 5.0	< 1.0	< 5.0	< 1.0 J	< 5.0	< 1.0	< 5.0
Trichloroethene	5	0.5	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50	< 1.0	**0.64**	< 1.0	**0.57**	< 1.0	< 0.50	< 1.0
Trichlorofluoromethane	3490	698	< 0.41	< 1.0	< 0.41	< 1.0	< 0.41	< 1.0	< 0.41	< 1.0	< 0.41	< 1.0	< 0.41	< 1.0
Vinyl chloride	0.2	0.02	< 0.33	< 1.0	< 0.33	< 1.0	< 0.33	< 1.0	< 0.33	< 1.0	< 0.33	< 1.0	< 0.33	< 1.0
Xylenes, Total	2000	400	< 0.96	< 3.0	< 0.96	< 3.0	< 0.96	< 3.0	< 0.96	< 3.0	< 0.96	< 3.0	< 0.96	< 3.0

Notes:
All results in micrograms per liter (µg/L)
WIDNR = Wisconsin Department of Natural Resources
NR140 = Administrative Code Chapter NR 140
ES = Enforcement Standard
PAL = Preventive Action Limit
NE = Action level not established for this analyte
< = Less than the laboratory Reporting Limit (RL)
J = Estimated result
--- = Not analyzed for
Bold = Analyte detected
Yellow = Result exceeds the WIDNR NR140 ES, published Jaunuary 2020
Orange = Result exceeds the WIDNR NR140 PAL, published Jaunuary 2020

Appendix A
Boring Logs

Bay West
5 Empire Drive
St. Paul, MN 55103
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Fax: 651-291-0099

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WELL CONSTRUCTION LOG

BOREHOLE NO.: **MW-01**

BOREHOLE LOCATION SKETCH MAP

N

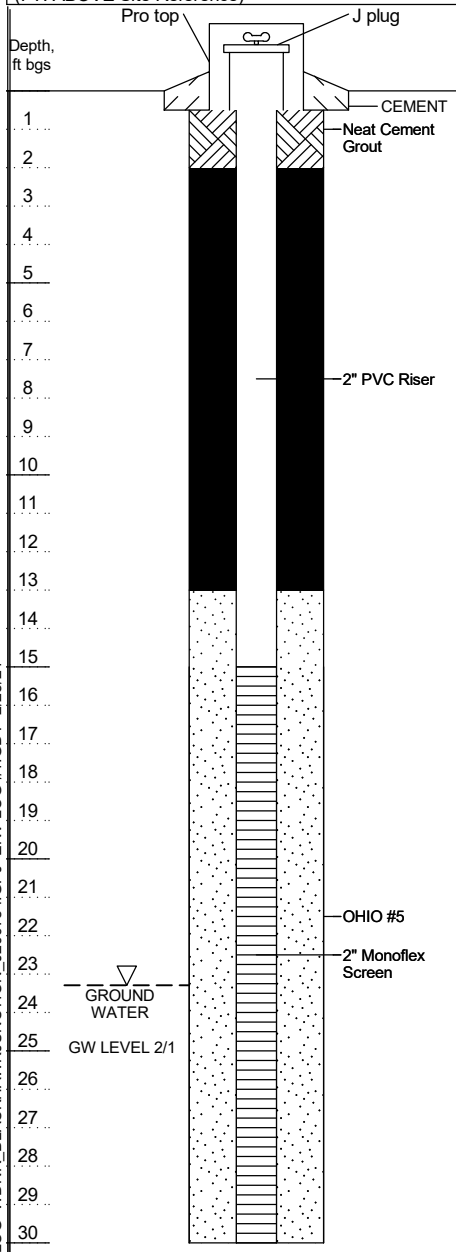
See Figure

PROJECT NO. / NAME: **J200827 / Blackhawk Junction**	LOCATION: **Prairie du Chein, WI**
APPROVED BY: **Rick van Allen**	
DRILLING CONTRACTOR / DRILLER: **Badger State Drilling / Kevin Duerst**	LOGGED BY: **Zach Mason**

DRILLING EQUIPMENT / METHOD	SIZE / TYPE OF BIT	SAMPLING METHOD	START-FINISH DATE
DT 50 / Hollow Stem Auger	**4.25**	**Split Spoon**	**1/13/21-1/13/21**

CASING MAT. / DIA.	SCREEN: TYPE	MAT.	TOTAL LENGTH	DIA.	SLOT SIZE
PVC / 2in	**Monoflex**	**PVC**	**15**	**2in**	**10-slot**

ELEVATION OF: (FT. ABOVE Site Reference)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN	GW SURFACE	GW DATE
		103.87	**88.87/73.87**	**80.58**	**2/1**



Depth, ft bgs	Graphic Log	Visual Description	Analytical Sample Number	Interval	OVA Headspace Values (ppm)
1–4		Silty sand, fine grained, OM, brown, poorly graded, dry, no odor			
4–5		Silty sand, fine grained, poorly graded, trace gravel, SR dark brown			
5		Lean clay, trace silt, low plasticity, dark brown, firm, dry, moderate cementation			
5–6		Sandy clay with trace gravel, SR, low plasticity, dark brown, weak cementation, dry	5		
6–10		Sand, coarse grained with trace gravel, SR well graded, moist			
10–15		Sand, coarse grained with trace gravel, SR, Well graded, moist, no odor	10		
15–20		Sand, coarse grained with trace gravel, SR, well graded, moist	15		
20–25		Sand, coarse grained with trace gravel, SR, well graded, wet. Water at 19.5ft	20		
25–30		No recovery, sand slough in boring	25		
30			30		

WELL CONSTRUCTION LOG WDNR_BLACKHAWKJUNCTION_J200784.GPJ ENV LOG #1.GDT 2/28/21

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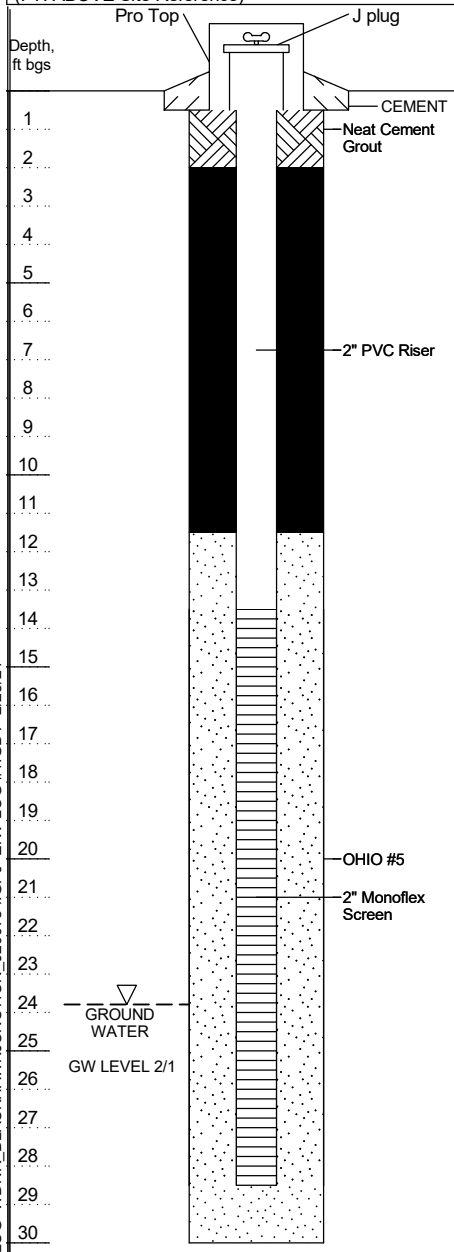
WELL CONSTRUCTION LOG

BOREHOLE LOCATION SKETCH MAP

N

See Figure

BOREHOLE NO. **MW-02**	
PROJECT NO. / NAME **J200827 / Blackhawk Junction**	LOCATION **Prairie du Chein, WI**
APPROVED BY **Rick van Allen**	
DRILLING CONTRACTOR / DRILLER **Badger State Drilling / Kevin Duerst**	LOGGED BY **Zach Mason**
DRILLING EQUIPMENT / METHOD **DT 50 / Hollow Stem Auger**	SIZE / TYPE OF BIT **4.25**
SAMPLING METHOD **Split Spoon**	START-FINISH DATE **1/13/21-1/13/21**
CASING MAT. / DIA. **PVC / 2in**	SCREEN: TYPE **Monoflex** MAT **PVC** TOTAL LENGTH **15** DIA. **2in** SLOT SIZE **10-slot**
ELEVATION OF: (FT. ABOVE Site Reference)	GROUND SURFACE **104.14** TOP OF WELL CASING **90.64/75.64** TOP & BOTTOM SCREEN **80.35** GW SURFACE **2/1** GW DATE



Depth, ft bgs	Graphic Log	Visual Description	Analytical Sample Number	Interval	OVA Headspace Values (ppm)
1		6" Sand, fine grained, poorly graded with trace gravel, OM, dark brown, dry. 6" sand, fine grained with gravel, SR, poorly graded, light brown, dry			
2		Silty clay, dark brown, soft, low plasticity, weak cementation			
3		Silty clay, dark brown, soft, low plasticity, weak cementation, moist, no odor/staining			
4					
5	5	Silty clay with gravel, SR, dark brown, soft, low plasticity, weak cementaion, moist	5		
6		Silty sand, fine grained, well graded with trace gravel, SR, dark brown, moist			
7		Sand, coarse grained, well graded with trace gravel, SR, dark brown, moist, no odor/staining			
8					
9					
10	10	Sand, coarse grained, well graded with trace gravel, SR, brown, moist	10		
11					
12					
13					
14					
15	15	Sand, fine grained, poorly graded, brown, moist, no odor or staining	15		
16					
17					
18					
19					
20	20	Sand, fine grained, poorly graded, brown, wet, no odor or staining. Water at 20ft.	20		
21					
22					
23					
24					
25	25	No recovery, sand slough in boring	25		
26					
27					
28					
29					
30	30		30		

WELL CONSTRUCTION LOG WDNR_BLACKHAWKJUNCTION_J200784.GPJ ENV LOG #1.GDT 2/28/21

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WELL CONSTRUCTION LOG

BOREHOLE NO. **MW-03**

BOREHOLE LOCATION SKETCH MAP

N

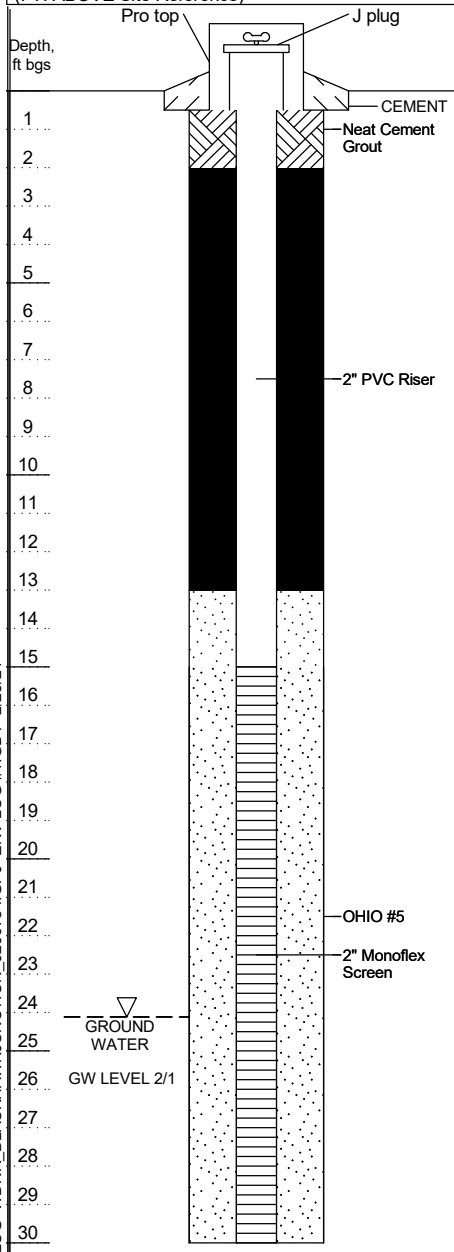
See Figure

PROJECT NO. / NAME: **J200827 / Blackhawk Junction**	LOCATION: **Prairie du Chein, WI**
APPROVED BY: **Rick van Allen**	
DRILLING CONTRACTOR / DRILLER: **Badger State Drilling / Kevin Duerst**	LOGGED BY: **Zach Mason**

DRILLING EQUIPMENT / METHOD	SIZE / TYPE OF BIT	SAMPLING METHOD	START-FINISH DATE
DT 50 / Hollow Stem Auger	**4.25**	**Split Spoon**	**1/14/21-1/14/21**

CASING MAT. / DIA.	SCREEN: TYPE	MAT.	TOTAL LENGTH	DIA.	SLOT SIZE
PVC / 2in	**Monoflex**	**PVC**	**15**	**2in**	**10-slot**

ELEVATION OF: (FT. ABOVE Site Reference)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN	GW SURFACE	GW DATE
		104.54	**89.54/74.54**	**80.42**	**2/1**



Depth, ft bgs	Graphic Log	Visual Description	Analytical Sample Number	Interval	OVA Headspace Values (ppm)
1–4		4" silty sand, OM, soft, dark brown, weak cementation, dry. Silty clay with trace gravel, dark brown, firm, moderate cementation, moist			
5		Silty clay, dark brown, firm, moderate cementation, moist, no odor/staining			
5		Silty clay with trace gravel, dark brown, soft, weak cementation, moist, no odor/staining			
6–9		Sand, coarse grained, well graded with trace gravel, SR, brown, moist, no odor/staining			
10		Sand, coarse grained, trace gravel, SR, well graded, moist			
10					
11–14					
15		Sand, coarse grained, poorly graded, brown moist, no odor/staining			
15					
16–19					
20		Sand, coarse grained, poorly graded, brown, wet, no odor/staining. Water at 21ft			
20					
21–24					
25		No recovery 26-30ft. Sand slough in boring			
25					
26–29					
30					
30					

WELL CONSTRUCTION LOG WDNR_BLACKHAWKJUNCTION_J200784.GPJ ENV LOG #1.GDT 2/28/21

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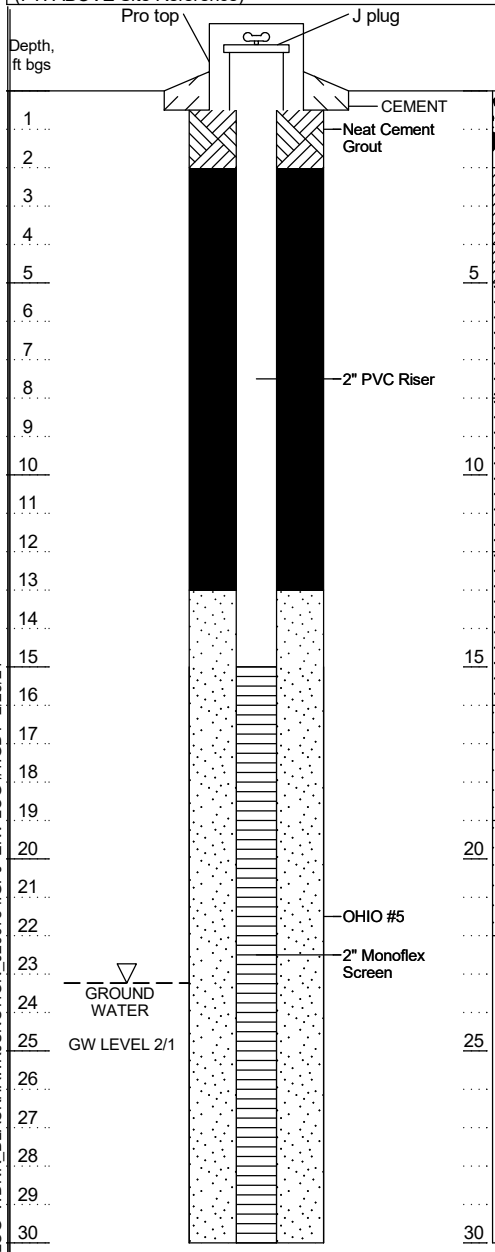
WELL CONSTRUCTION LOG

BOREHOLE LOCATION SKETCH MAP

N

See Figure

BOREHOLE NO. **MW-04**	
PROJECT NO. / NAME **J200827 / Blackhawk Junction**	LOCATION **Prairie du Chein, WI**
APPROVED BY **Rick van Allen**	
DRILLING CONTRACTOR / DRILLER **Badger State Drilling / Kevin Duerst**	LOGGED BY **Zach Mason**
DRILLING EQUIPMENT / METHOD **DT 50 / Hollow Stem Auger**	SIZE / TYPE OF BIT **4.25**
SAMPLING METHOD **Split Spoon**	START-FINISH DATE **1/15/21-1/15/21**
CASING MAT. / DIA. **PVC / 2in**	SCREEN: TYPE **Monoflex** MAT. **PVC** TOTAL LENGTH **15** DIA. **2in** SLOT SIZE **10-slot**
ELEVATION OF: (FT. ABOVE Site Reference)	GROUND SURFACE: TOP OF WELL CASING **103.55**; TOP & BOTTOM SCREEN **88.55/73.55**; GW SURFACE **80.32**; GW DATE **2/1**



Depth, ft bgs	Graphic Log	Visual Description	Analytical Sample Number	Interval	OVA Headspace Values (ppm)
1–4		4" asphalt, sandy gravel, brown, dry			
5		Silty clay with trace gravel, dark brown, soft, weak cementation, moist, no odor			
		Silty clay with gravel, SR, dark brown, soft, low plasticity			
6–9		Sand, coarse grained, well graded, brown, moist, no odor or staining			
10		Sand, coarse grained with trace gravel, well graded, SR, brown, moist, no odor/staining			
11–14		Sand, coarse grained, well graded with trace gravel, SR, brown, moist, no odor or staining			
15		Sand, coarse grained, poorly graded, brown, moist no odor/staining			
16–19		Sand, coarse grained, poorly graded, brown, wet. Water at 19ft			
20		No recovery 22-30, sand slough in boring.			
21–30					

WELL CONSTRUCTION LOG WDNR_BLACKHAWKJUNCTION_J200784.GPJ ENV LOG #1.GDT 2/28/21

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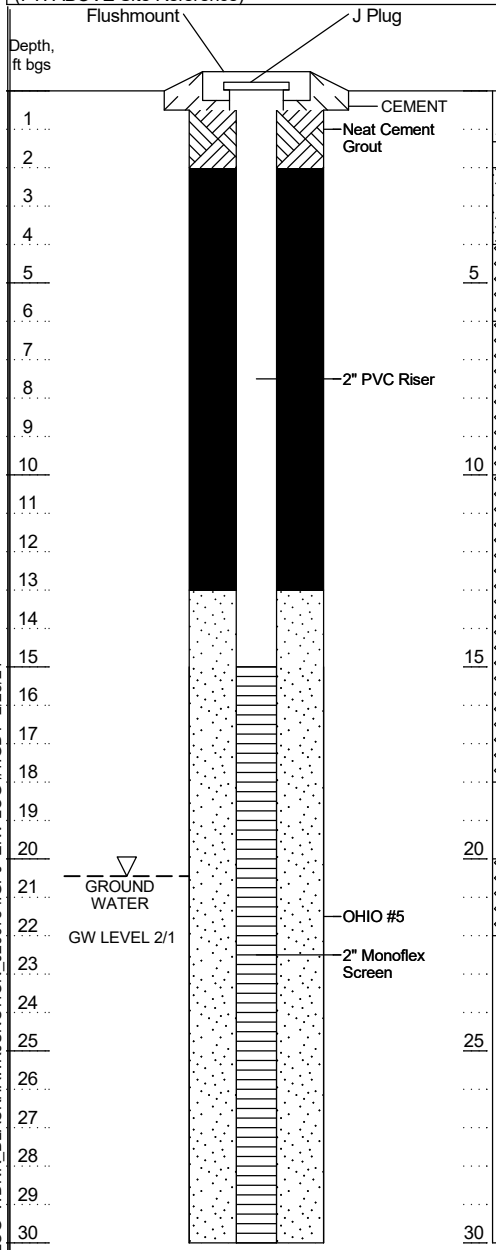
WELL CONSTRUCTION LOG

BOREHOLE LOCATION SKETCH MAP

N

See Figure

BOREHOLE NO. **MW-05**	
PROJECT NO. / NAME **J200827 / Blackhawk Junction**	LOCATION **Prairie du Chein, WI**
APPROVED BY **Rick van Allen**	
DRILLING CONTRACTOR / DRILLER **Badger State Drilling / Kevin Duerst**	LOGGED BY **Zach Mason**
DRILLING EQUIPMENT / METHOD **DT 50 / Hollow Stem Auger**	SIZE / TYPE OF BIT **4.25**
SAMPLING METHOD **Split Spoon**	START-FINISH DATE **1/14/21-1/14/21**
CASING MAT. / DIA. **PVC / 2in**	SCREEN: TYPE **Monoflex** MAT **PVC** TOTAL LENGTH **15** DIA. **2in** SLOT SIZE **10-slot**
ELEVATION OF: (FT. ABOVE Site Reference)	GROUND SURFACE **100.61** TOP OF WELL CASING **85.61/70.61** TOP & BOTTOM SCREEN **80.16** GW SURFACE **2/1** GW DATE



Depth, ft bgs	Graphic Log	Visual Description	Analytical Sample Number	Interval	OVA Headspace Values (ppm)
1–4		8" topsoil, om, dark brown, no odor. 10" silty clay with gravel, SA, dark brown, weak cementation, firm, low plasticity. 6" silty sand with trace gravel, dark brown, dry			
2–4		Silty sand with trace gravel, SR, dark brown, soft, dry, no odor			
5–6		Sand, coarse grained with trace gravel, SR, well graded, brown, moist, no odor/staining	5		
6–9		Sand, coarse grained with trace gravel, sub rounded, brown, moist, no odor or staining			
10–14		Sand, coarse grained w/ trace gravel, SR, brown, moist, no odor/staining	10		
15–18		No recovery, rock stuck in spoon shoe	15		
20–22		Sand, coarse grained with trace gravel, SR, well graded, brown, wet, no odor/staining. Water at 21ft.	20		
22–23		No recovery, sand slough in boring			
25–30			25		

Appendix B
Laboratory Reports

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

February 18, 2021

Rick VanAllen
Bay West, Inc.
5 Empire Drive
Saint Paul, MN 55103

RE: Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Dear Rick VanAllen:

Enclosed are the analytical results for sample(s) received by the laboratory on February 03, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

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

Sincerely,

Colin Lynch
colin.lynch@pacelabs.com
(612)607-1700
Project Manager

Enclosures

cc: Ryan Riley, Bay West LLC
Jeff Smith, Pace Analytical Services, Inc
Gerrit Vanderwaal

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Pace Analytical Services, LLC - Minneapolis MN
1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

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(612)607-1700

SAMPLE SUMMARY

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10546875001	**MW-01**	Water	02/01/21 14:00	02/03/21 17:41
10546875002	**MW-02**	Water	02/01/21 15:25	02/03/21 17:41
10546875003	**MW-03**	Water	02/02/21 10:10	02/03/21 17:41
10546875004	**MW-04**	Water	02/02/21 12:10	02/03/21 17:41
10546875005	**MW-05**	Water	02/02/21 14:30	02/03/21 17:41
10546875006	**MW-04-D**	Water	02/02/21 12:40	02/03/21 17:41
10546875007	**TRIP BLANK**	Water	02/01/21 12:00	02/03/21 17:41
10546875008	**FIELD BLANK**	Water	02/02/21 11:30	02/03/21 17:41

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SAMPLE ANALYTE COUNT

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10546875001	**MW-01**	EPA 8260D	MM3	72
10546875002	**MW-02**	EPA 8260D	MM3	72
10546875003	**MW-03**	EPA 8260D	MM3	72
10546875004	**MW-04**	EPA 8260D	MM3	72
10546875005	**MW-05**	EPA 8260D	MM3	72
10546875006	**MW-04-D**	EPA 8260D	MM3	72
10546875007	**TRIP BLANK**	EPA 8260D	MM3	72
10546875008	**FIELD BLANK**	EPA 8260D	NMB	72

PASI-M = Pace Analytical Services - Minneapolis

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

PROJECT NARRATIVE

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Method: **EPA 8260D**
Description: 8260D VOC
Client: Bay West LLC
Date: February 18, 2021

General Information:
8 samples were analyzed for EPA 8260D by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

QC Batch: 724028

v2: The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

- BLANK (Lab ID: 3859443)
  - 1,3-Dichloropropane
  - Allyl chloride
  - Bromoform
  - Diethyl ether (Ethyl ether)
  - Methylene Chloride
  - trans-1,2-Dichloroethene
- MW-01 (Lab ID: 10546875001)
  - Allyl chloride
  - Bromoform
  - Diethyl ether (Ethyl ether)
  - Methylene Chloride
  - trans-1,2-Dichloroethene
  - trans-1,3-Dichloropropene
- MW-02 (Lab ID: 10546875002)
  - 1,3-Dichloropropane
  - Allyl chloride
  - Bromoform
  - Diethyl ether (Ethyl ether)
  - Methylene Chloride
  - trans-1,2-Dichloroethene
- MW-03 (Lab ID: 10546875003)
  - 1,3-Dichloropropane
  - Allyl chloride
  - Bromoform
  - Diethyl ether (Ethyl ether)
  - Methylene Chloride
  - trans-1,2-Dichloroethene
- MW-04 (Lab ID: 10546875004)

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Method: **EPA 8260D**
Description: 8260D VOC
Client: Bay West LLC
Date: February 18, 2021

QC Batch: 724028

v2: The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

- 1,3-Dichloropropane
- Allyl chloride
- Bromoform
- Diethyl ether (Ethyl ether)
- Methylene Chloride
- trans-1,2-Dichloroethene

- MW-04-D (Lab ID: 10546875006)
  - Allyl chloride
  - Bromoform
  - Diethyl ether (Ethyl ether)
  - Methylene Chloride
  - trans-1,2-Dichloroethene
  - trans-1,3-Dichloropropene
- MW-05 (Lab ID: 10546875005)
  - 1,3-Dichloropropane
  - Allyl chloride
  - Bromoform
  - Diethyl ether (Ethyl ether)
  - Methylene Chloride
  - trans-1,2-Dichloroethene
- TRIP BLANK (Lab ID: 10546875007)
  - 1,3-Dichloropropane
  - Allyl chloride
  - Bromoform
  - Diethyl ether (Ethyl ether)
  - Methylene Chloride
  - trans-1,2-Dichloroethene

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

- LCS (Lab ID: 3859444)
  - 1,3-Dichloropropane
  - Allyl chloride
  - Bromoform
  - Diethyl ether (Ethyl ether)
  - Methylene Chloride
  - trans-1,2-Dichloroethene
- MS (Lab ID: 3861407)
  - 1,3-Dichloropropane
  - Allyl chloride
  - Bromoform
  - Diethyl ether (Ethyl ether)
  - Methylene Chloride
  - trans-1,2-Dichloroethene

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PROJECT NARRATIVE

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Method: **EPA 8260D**
Description: 8260D VOC
Client: Bay West LLC
Date: February 18, 2021

QC Batch: 724028

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

- MSD (Lab ID: 3861408)
  - 1,3-Dichloropropane
  - Allyl chloride
  - Bromoform
  - Diethyl ether (Ethyl ether)
  - Methylene Chloride
  - trans-1,2-Dichloroethene

QC Batch: 724976

v1: The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

- LCS (Lab ID: 3864170)
  - Bromomethane
- MS (Lab ID: 3867464)
  - Bromomethane
- MSD (Lab ID: 3867465)
  - Bromomethane

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 724028

1M: This analyte did not meet the secondary source verification criteria for the initial calibration. Analyte recovery exceeded the 130% upper control limit at 156%. Results may be biased high.

- BLANK (Lab ID: 3859443)
  - Bromomethane
- LCS (Lab ID: 3859444)
  - Bromomethane

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PROJECT NARRATIVE

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Method: **EPA 8260D**
Description: 8260D VOC
Client: Bay West LLC
Date: February 18, 2021

Analyte Comments:

QC Batch: 724028

1M: This analyte did not meet the secondary source verification criteria for the initial calibration. Analyte recovery exceeded the 130% upper control limit at 156%. Results may be biased high.

- MS (Lab ID: 3861407)
  - Bromomethane
- MSD (Lab ID: 3861408)
  - Bromomethane
- MW-01 (Lab ID: 10546875001)
  - Bromomethane
- MW-02 (Lab ID: 10546875002)
  - Bromomethane
- MW-03 (Lab ID: 10546875003)
  - Bromomethane
- MW-04 (Lab ID: 10546875004)
  - Bromomethane
- MW-04-D (Lab ID: 10546875006)
  - Bromomethane
- MW-05 (Lab ID: 10546875005)
  - Bromomethane
- TRIP BLANK (Lab ID: 10546875007)
  - Bromomethane

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Sample: MW-01 **Lab ID: 10546875001** Collected: 02/01/21 14:00 Received: 02/03/21 17:41 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis								
Acetone	**<2.5**	ug/L	8.4	2.5	1		02/05/21 14:58	67-64-1	
Allyl chloride	**<0.27**	ug/L	0.90	0.27	1		02/05/21 14:58	107-05-1	v2
Benzene	**<0.12**	ug/L	0.40	0.12	1		02/05/21 14:58	71-43-2	
Bromobenzene	**<0.13**	ug/L	0.44	0.13	1		02/05/21 14:58	108-86-1	
Bromochloromethane	**<0.36**	ug/L	1.2	0.36	1		02/05/21 14:58	74-97-5	
Bromodichloromethane	**<0.11**	ug/L	0.38	0.11	1		02/05/21 14:58	75-27-4	
Bromoform	**<0.27**	ug/L	0.90	0.27	1		02/05/21 14:58	75-25-2	v2
Bromomethane	**<0.63**	ug/L	2.1	0.63	1		02/05/21 14:58	74-83-9	1M
2-Butanone (MEK)	**<0.88**	ug/L	2.9	0.88	1		02/05/21 14:58	78-93-3	
n-Butylbenzene	**<0.16**	ug/L	0.52	0.16	1		02/05/21 14:58	104-51-8	
sec-Butylbenzene	**<0.15**	ug/L	0.49	0.15	1		02/05/21 14:58	135-98-8	
tert-Butylbenzene	**<0.13**	ug/L	0.43	0.13	1		02/05/21 14:58	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	0.56	0.17	1		02/05/21 14:58	56-23-5	
Chlorobenzene	**<0.076**	ug/L	0.25	0.076	1		02/05/21 14:58	108-90-7	
Chloroethane	**<0.42**	ug/L	1.4	0.42	1		02/05/21 14:58	75-00-3	
Chloroform	**<0.48**	ug/L	1.6	0.48	1		02/05/21 14:58	67-66-3	
Chloromethane	**<0.15**	ug/L	0.49	0.15	1		02/05/21 14:58	74-87-3	
2-Chlorotoluene	**<0.16**	ug/L	0.55	0.16	1		02/05/21 14:58	95-49-8	
4-Chlorotoluene	**<0.050**	ug/L	0.17	0.050	1		02/05/21 14:58	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.2**	ug/L	4.2	1.2	1		02/05/21 14:58	96-12-8	
Dibromochloromethane	**<0.20**	ug/L	0.66	0.20	1		02/05/21 14:58	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	0.60	0.18	1		02/05/21 14:58	106-93-4	
Dibromomethane	**<0.15**	ug/L	0.51	0.15	1		02/05/21 14:58	74-95-3	
1,2-Dichlorobenzene	**<0.14**	ug/L	0.45	0.14	1		02/05/21 14:58	95-50-1	
1,3-Dichlorobenzene	**<0.12**	ug/L	0.39	0.12	1		02/05/21 14:58	541-73-1	
1,4-Dichlorobenzene	**<0.082**	ug/L	0.27	0.082	1		02/05/21 14:58	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	0.65	0.20	1		02/05/21 14:58	75-71-8	
1,1-Dichloroethane	**<0.17**	ug/L	0.55	0.17	1		02/05/21 14:58	75-34-3	
1,2-Dichloroethane	**<0.25**	ug/L	0.85	0.25	1		02/05/21 14:58	107-06-2	
1,1-Dichloroethene	**<0.13**	ug/L	0.42	0.13	1		02/05/21 14:58	75-35-4	
cis-1,2-Dichloroethene	**<0.20**	ug/L	0.66	0.20	1		02/05/21 14:58	156-59-2	
trans-1,2-Dichloroethene	**<0.19**	ug/L	0.64	0.19	1		02/05/21 14:58	156-60-5	v2
Dichlorofluoromethane	**<0.19**	ug/L	0.63	0.19	1		02/05/21 14:58	75-43-4	
1,2-Dichloropropane	**<0.14**	ug/L	0.46	0.14	1		02/05/21 14:58	78-87-5	
1,3-Dichloropropane	**<0.13**	ug/L	0.43	0.13	1		02/05/21 14:58	142-28-9	
2,2-Dichloropropane	**<0.20**	ug/L	0.66	0.20	1		02/05/21 14:58	594-20-7	
1,1-Dichloropropene	**<0.22**	ug/L	0.74	0.22	1		02/05/21 14:58	563-58-6	
cis-1,3-Dichloropropene	**<0.077**	ug/L	0.26	0.077	1		02/05/21 14:58	10061-01-5	
trans-1,3-Dichloropropene	**<0.32**	ug/L	1.0	0.32	1		02/05/21 14:58	10061-02-6	v2
Diethyl ether (Ethyl ether)	**<0.18**	ug/L	0.58	0.18	1		02/05/21 14:58	60-29-7	v2
Ethylbenzene	**<0.075**	ug/L	0.25	0.075	1		02/05/21 14:58	100-41-4	
Hexachloro-1,3-butadiene	**<0.40**	ug/L	1.3	0.40	1		02/05/21 14:58	87-68-3	
Isopropylbenzene (Cumene)	**<0.13**	ug/L	0.44	0.13	1		02/05/21 14:58	98-82-8	
p-Isopropyltoluene	**<0.18**	ug/L	0.59	0.18	1		02/05/21 14:58	99-87-6	
Methylene Chloride	**<1.1**	ug/L	3.7	1.1	1		02/05/21 14:58	75-09-2	v2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Sample: MW-01 **Lab ID: 10546875001** Collected: 02/01/21 14:00 Received: 02/03/21 17:41 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis								
4-Methyl-2-pentanone (MIBK)	**<0.54**	ug/L	1.8	0.54	1		02/05/21 14:58	108-10-1	
Methyl-tert-butyl ether	**<0.12**	ug/L	0.39	0.12	1		02/05/21 14:58	1634-04-4	
Naphthalene	**<0.68**	ug/L	2.3	0.68	1		02/05/21 14:58	91-20-3	
n-Propylbenzene	**<0.18**	ug/L	0.61	0.18	1		02/05/21 14:58	103-65-1	
Styrene	**<0.11**	ug/L	0.37	0.11	1		02/05/21 14:58	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.13**	ug/L	0.44	0.13	1		02/05/21 14:58	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.16**	ug/L	0.53	0.16	1		02/05/21 14:58	79-34-5	
Tetrachloroethene	**0.92**	ug/L	0.58	0.17	1		02/05/21 14:58	127-18-4	
Tetrahydrofuran	**<3.4**	ug/L	11.3	3.4	1		02/05/21 14:58	109-99-9	
Toluene	**<0.12**	ug/L	0.41	0.12	1		02/05/21 14:58	108-88-3	
1,2,3-Trichlorobenzene	**<0.17**	ug/L	0.57	0.17	1		02/05/21 14:58	87-61-6	
1,2,4-Trichlorobenzene	**<0.19**	ug/L	0.63	0.19	1		02/05/21 14:58	120-82-1	
1,1,1-Trichloroethane	**<0.17**	ug/L	0.57	0.17	1		02/05/21 14:58	71-55-6	
1,1,2-Trichloroethane	**<0.19**	ug/L	0.64	0.19	1		02/05/21 14:58	79-00-5	
Trichloroethene	**<0.15**	ug/L	0.50	0.15	1		02/05/21 14:58	79-01-6	
Trichlorofluoromethane	**<0.12**	ug/L	0.41	0.12	1		02/05/21 14:58	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	2.0	0.59	1		02/05/21 14:58	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.30**	ug/L	1.0	0.30	1		02/05/21 14:58	76-13-1	
1,2,4-Trimethylbenzene	**<0.17**	ug/L	0.57	0.17	1		02/05/21 14:58	95-63-6	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	0.41	0.12	1		02/05/21 14:58	108-67-8	
Vinyl chloride	**<0.099**	ug/L	0.33	0.099	1		02/05/21 14:58	75-01-4	
Xylene (Total)	**<0.29**	ug/L	0.96	0.29	1		02/05/21 14:58	1330-20-7	
m&p-Xylene	**<0.29**	ug/L	0.96	0.29	1		02/05/21 14:58	179601-23-1	
o-Xylene	**<0.15**	ug/L	0.50	0.15	1		02/05/21 14:58	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%.	71-125		1		02/05/21 14:58	17060-07-0	
Toluene-d8 (S)	97	%.	75-125		1		02/05/21 14:58	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	75-125		1		02/05/21 14:58	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Sample: MW-02 **Lab ID: 10546875002** Collected: 02/01/21 15:25 Received: 02/03/21 17:41 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis								
Acetone	**<2.5**	ug/L	8.4	2.5	1		02/05/21 15:15	67-64-1	
Allyl chloride	**<0.27**	ug/L	0.90	0.27	1		02/05/21 15:15	107-05-1	v2
Benzene	**<0.12**	ug/L	0.40	0.12	1		02/05/21 15:15	71-43-2	
Bromobenzene	**<0.13**	ug/L	0.44	0.13	1		02/05/21 15:15	108-86-1	
Bromochloromethane	**<0.36**	ug/L	1.2	0.36	1		02/05/21 15:15	74-97-5	
Bromodichloromethane	**<0.11**	ug/L	0.38	0.11	1		02/05/21 15:15	75-27-4	
Bromoform	**<0.27**	ug/L	0.90	0.27	1		02/05/21 15:15	75-25-2	v2
Bromomethane	**<0.63**	ug/L	2.1	0.63	1		02/05/21 15:15	74-83-9	1M
2-Butanone (MEK)	**<0.88**	ug/L	2.9	0.88	1		02/05/21 15:15	78-93-3	
n-Butylbenzene	**<0.16**	ug/L	0.52	0.16	1		02/05/21 15:15	104-51-8	
sec-Butylbenzene	**<0.15**	ug/L	0.49	0.15	1		02/05/21 15:15	135-98-8	
tert-Butylbenzene	**<0.13**	ug/L	0.43	0.13	1		02/05/21 15:15	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	0.56	0.17	1		02/05/21 15:15	56-23-5	
Chlorobenzene	**<0.076**	ug/L	0.25	0.076	1		02/05/21 15:15	108-90-7	
Chloroethane	**<0.42**	ug/L	1.4	0.42	1		02/05/21 15:15	75-00-3	
Chloroform	**<0.48**	ug/L	1.6	0.48	1		02/05/21 15:15	67-66-3	
Chloromethane	**<0.15**	ug/L	0.49	0.15	1		02/05/21 15:15	74-87-3	
2-Chlorotoluene	**<0.16**	ug/L	0.55	0.16	1		02/05/21 15:15	95-49-8	
4-Chlorotoluene	**<0.050**	ug/L	0.17	0.050	1		02/05/21 15:15	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.2**	ug/L	4.2	1.2	1		02/05/21 15:15	96-12-8	
Dibromochloromethane	**<0.20**	ug/L	0.66	0.20	1		02/05/21 15:15	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	0.60	0.18	1		02/05/21 15:15	106-93-4	
Dibromomethane	**<0.15**	ug/L	0.51	0.15	1		02/05/21 15:15	74-95-3	
1,2-Dichlorobenzene	**<0.14**	ug/L	0.45	0.14	1		02/05/21 15:15	95-50-1	
1,3-Dichlorobenzene	**<0.12**	ug/L	0.39	0.12	1		02/05/21 15:15	541-73-1	
1,4-Dichlorobenzene	**<0.082**	ug/L	0.27	0.082	1		02/05/21 15:15	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	0.65	0.20	1		02/05/21 15:15	75-71-8	
1,1-Dichloroethane	**<0.17**	ug/L	0.55	0.17	1		02/05/21 15:15	75-34-3	
1,2-Dichloroethane	**<0.25**	ug/L	0.85	0.25	1		02/05/21 15:15	107-06-2	
1,1-Dichloroethene	**<0.13**	ug/L	0.42	0.13	1		02/05/21 15:15	75-35-4	
cis-1,2-Dichloroethene	**<0.20**	ug/L	0.66	0.20	1		02/05/21 15:15	156-59-2	
trans-1,2-Dichloroethene	**<0.19**	ug/L	0.64	0.19	1		02/05/21 15:15	156-60-5	v2
Dichlorofluoromethane	**<0.19**	ug/L	0.63	0.19	1		02/05/21 15:15	75-43-4	
1,2-Dichloropropane	**<0.14**	ug/L	0.46	0.14	1		02/05/21 15:15	78-87-5	
1,3-Dichloropropane	**<0.13**	ug/L	0.43	0.13	1		02/05/21 15:15	142-28-9	v2
2,2-Dichloropropane	**<0.20**	ug/L	0.66	0.20	1		02/05/21 15:15	594-20-7	
1,1-Dichloropropene	**<0.22**	ug/L	0.74	0.22	1		02/05/21 15:15	563-58-6	
cis-1,3-Dichloropropene	**<0.077**	ug/L	0.26	0.077	1		02/05/21 15:15	10061-01-5	
trans-1,3-Dichloropropene	**<0.32**	ug/L	1.0	0.32	1		02/05/21 15:15	10061-02-6	
Diethyl ether (Ethyl ether)	**<0.18**	ug/L	0.58	0.18	1		02/05/21 15:15	60-29-7	v2
Ethylbenzene	**<0.075**	ug/L	0.25	0.075	1		02/05/21 15:15	100-41-4	
Hexachloro-1,3-butadiene	**<0.40**	ug/L	1.3	0.40	1		02/05/21 15:15	87-68-3	
Isopropylbenzene (Cumene)	**<0.13**	ug/L	0.44	0.13	1		02/05/21 15:15	98-82-8	
p-Isopropyltoluene	**<0.18**	ug/L	0.59	0.18	1		02/05/21 15:15	99-87-6	
Methylene Chloride	**<1.1**	ug/L	3.7	1.1	1		02/05/21 15:15	75-09-2	v2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Sample: MW-02 **Lab ID: 10546875002** Collected: 02/01/21 15:25 Received: 02/03/21 17:41 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis								
4-Methyl-2-pentanone (MIBK)	**<0.54**	ug/L	1.8	0.54	1		02/05/21 15:15	108-10-1	
Methyl-tert-butyl ether	**<0.12**	ug/L	0.39	0.12	1		02/05/21 15:15	1634-04-4	
Naphthalene	**<0.68**	ug/L	2.3	0.68	1		02/05/21 15:15	91-20-3	
n-Propylbenzene	**<0.18**	ug/L	0.61	0.18	1		02/05/21 15:15	103-65-1	
Styrene	**<0.11**	ug/L	0.37	0.11	1		02/05/21 15:15	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.13**	ug/L	0.44	0.13	1		02/05/21 15:15	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.16**	ug/L	0.53	0.16	1		02/05/21 15:15	79-34-5	
Tetrachloroethene	**11.9**	ug/L	0.58	0.17	1		02/05/21 15:15	127-18-4	
Tetrahydrofuran	**<3.4**	ug/L	11.3	3.4	1		02/05/21 15:15	109-99-9	
Toluene	**<0.12**	ug/L	0.41	0.12	1		02/05/21 15:15	108-88-3	
1,2,3-Trichlorobenzene	**<0.17**	ug/L	0.57	0.17	1		02/05/21 15:15	87-61-6	
1,2,4-Trichlorobenzene	**<0.19**	ug/L	0.63	0.19	1		02/05/21 15:15	120-82-1	
1,1,1-Trichloroethane	**<0.17**	ug/L	0.57	0.17	1		02/05/21 15:15	71-55-6	
1,1,2-Trichloroethane	**<0.19**	ug/L	0.64	0.19	1		02/05/21 15:15	79-00-5	
Trichloroethene	**<0.15**	ug/L	0.50	0.15	1		02/05/21 15:15	79-01-6	
Trichlorofluoromethane	**<0.12**	ug/L	0.41	0.12	1		02/05/21 15:15	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	2.0	0.59	1		02/05/21 15:15	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.30**	ug/L	1.0	0.30	1		02/05/21 15:15	76-13-1	
1,2,4-Trimethylbenzene	**<0.17**	ug/L	0.57	0.17	1		02/05/21 15:15	95-63-6	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	0.41	0.12	1		02/05/21 15:15	108-67-8	
Vinyl chloride	**<0.099**	ug/L	0.33	0.099	1		02/05/21 15:15	75-01-4	
Xylene (Total)	**<0.29**	ug/L	0.96	0.29	1		02/05/21 15:15	1330-20-7	
m&p-Xylene	**<0.29**	ug/L	0.96	0.29	1		02/05/21 15:15	179601-23-1	
o-Xylene	**<0.15**	ug/L	0.50	0.15	1		02/05/21 15:15	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	101	%.	71-125		1		02/05/21 15:15	17060-07-0	
Toluene-d8 (S)	95	%.	75-125		1		02/05/21 15:15	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125		1		02/05/21 15:15	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Sample: MW-03 **Lab ID: 10546875003** Collected: 02/02/21 10:10 Received: 02/03/21 17:41 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis								
Acetone	**<2.5**	ug/L	8.4	2.5	1		02/05/21 15:32	67-64-1	
Allyl chloride	**<0.27**	ug/L	0.90	0.27	1		02/05/21 15:32	107-05-1	v2
Benzene	**<0.12**	ug/L	0.40	0.12	1		02/05/21 15:32	71-43-2	
Bromobenzene	**<0.13**	ug/L	0.44	0.13	1		02/05/21 15:32	108-86-1	
Bromochloromethane	**<0.36**	ug/L	1.2	0.36	1		02/05/21 15:32	74-97-5	
Bromodichloromethane	**<0.11**	ug/L	0.38	0.11	1		02/05/21 15:32	75-27-4	
Bromoform	**<0.27**	ug/L	0.90	0.27	1		02/05/21 15:32	75-25-2	v2
Bromomethane	**<0.63**	ug/L	2.1	0.63	1		02/05/21 15:32	74-83-9	1M
2-Butanone (MEK)	**<0.88**	ug/L	2.9	0.88	1		02/05/21 15:32	78-93-3	
n-Butylbenzene	**<0.16**	ug/L	0.52	0.16	1		02/05/21 15:32	104-51-8	
sec-Butylbenzene	**<0.15**	ug/L	0.49	0.15	1		02/05/21 15:32	135-98-8	
tert-Butylbenzene	**<0.13**	ug/L	0.43	0.13	1		02/05/21 15:32	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	0.56	0.17	1		02/05/21 15:32	56-23-5	
Chlorobenzene	**<0.076**	ug/L	0.25	0.076	1		02/05/21 15:32	108-90-7	
Chloroethane	**<0.42**	ug/L	1.4	0.42	1		02/05/21 15:32	75-00-3	
Chloroform	**<0.48**	ug/L	1.6	0.48	1		02/05/21 15:32	67-66-3	
Chloromethane	**<0.15**	ug/L	0.49	0.15	1		02/05/21 15:32	74-87-3	
2-Chlorotoluene	**<0.16**	ug/L	0.55	0.16	1		02/05/21 15:32	95-49-8	
4-Chlorotoluene	**<0.050**	ug/L	0.17	0.050	1		02/05/21 15:32	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.2**	ug/L	4.2	1.2	1		02/05/21 15:32	96-12-8	
Dibromochloromethane	**<0.20**	ug/L	0.66	0.20	1		02/05/21 15:32	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	0.60	0.18	1		02/05/21 15:32	106-93-4	
Dibromomethane	**<0.15**	ug/L	0.51	0.15	1		02/05/21 15:32	74-95-3	
1,2-Dichlorobenzene	**<0.14**	ug/L	0.45	0.14	1		02/05/21 15:32	95-50-1	
1,3-Dichlorobenzene	**<0.12**	ug/L	0.39	0.12	1		02/05/21 15:32	541-73-1	
1,4-Dichlorobenzene	**<0.082**	ug/L	0.27	0.082	1		02/05/21 15:32	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	0.65	0.20	1		02/05/21 15:32	75-71-8	
1,1-Dichloroethane	**<0.17**	ug/L	0.55	0.17	1		02/05/21 15:32	75-34-3	
1,2-Dichloroethane	**<0.25**	ug/L	0.85	0.25	1		02/05/21 15:32	107-06-2	
1,1-Dichloroethene	**<0.13**	ug/L	0.42	0.13	1		02/05/21 15:32	75-35-4	
cis-1,2-Dichloroethene	**<0.20**	ug/L	0.66	0.20	1		02/05/21 15:32	156-59-2	
trans-1,2-Dichloroethene	**<0.19**	ug/L	0.64	0.19	1		02/05/21 15:32	156-60-5	v2
Dichlorofluoromethane	**<0.19**	ug/L	0.63	0.19	1		02/05/21 15:32	75-43-4	
1,2-Dichloropropane	**<0.14**	ug/L	0.46	0.14	1		02/05/21 15:32	78-87-5	
1,3-Dichloropropane	**<0.13**	ug/L	0.43	0.13	1		02/05/21 15:32	142-28-9	v2
2,2-Dichloropropane	**<0.20**	ug/L	0.66	0.20	1		02/05/21 15:32	594-20-7	
1,1-Dichloropropene	**<0.22**	ug/L	0.74	0.22	1		02/05/21 15:32	563-58-6	
cis-1,3-Dichloropropene	**<0.077**	ug/L	0.26	0.077	1		02/05/21 15:32	10061-01-5	
trans-1,3-Dichloropropene	**<0.32**	ug/L	1.0	0.32	1		02/05/21 15:32	10061-02-6	
Diethyl ether (Ethyl ether)	**<0.18**	ug/L	0.58	0.18	1		02/05/21 15:32	60-29-7	v2
Ethylbenzene	**<0.075**	ug/L	0.25	0.075	1		02/05/21 15:32	100-41-4	
Hexachloro-1,3-butadiene	**<0.40**	ug/L	1.3	0.40	1		02/05/21 15:32	87-68-3	
Isopropylbenzene (Cumene)	**<0.13**	ug/L	0.44	0.13	1		02/05/21 15:32	98-82-8	
p-Isopropyltoluene	**<0.18**	ug/L	0.59	0.18	1		02/05/21 15:32	99-87-6	
Methylene Chloride	**<1.1**	ug/L	3.7	1.1	1		02/05/21 15:32	75-09-2	v2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Sample: MW-03 **Lab ID: 10546875003** Collected: 02/02/21 10:10 Received: 02/03/21 17:41 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis								
4-Methyl-2-pentanone (MIBK)	**<0.54**	ug/L	1.8	0.54	1		02/05/21 15:32	108-10-1	
Methyl-tert-butyl ether	**<0.12**	ug/L	0.39	0.12	1		02/05/21 15:32	1634-04-4	
Naphthalene	**<0.68**	ug/L	2.3	0.68	1		02/05/21 15:32	91-20-3	
n-Propylbenzene	**<0.18**	ug/L	0.61	0.18	1		02/05/21 15:32	103-65-1	
Styrene	**<0.11**	ug/L	0.37	0.11	1		02/05/21 15:32	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.13**	ug/L	0.44	0.13	1		02/05/21 15:32	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.16**	ug/L	0.53	0.16	1		02/05/21 15:32	79-34-5	
Tetrachloroethene	**25.2**	ug/L	0.58	0.17	1		02/05/21 15:32	127-18-4	
Tetrahydrofuran	**<3.4**	ug/L	11.3	3.4	1		02/05/21 15:32	109-99-9	
Toluene	**<0.12**	ug/L	0.41	0.12	1		02/05/21 15:32	108-88-3	
1,2,3-Trichlorobenzene	**<0.17**	ug/L	0.57	0.17	1		02/05/21 15:32	87-61-6	
1,2,4-Trichlorobenzene	**<0.19**	ug/L	0.63	0.19	1		02/05/21 15:32	120-82-1	
1,1,1-Trichloroethane	**<0.17**	ug/L	0.57	0.17	1		02/05/21 15:32	71-55-6	
1,1,2-Trichloroethane	**<0.19**	ug/L	0.64	0.19	1		02/05/21 15:32	79-00-5	
Trichloroethene	**<0.15**	ug/L	0.50	0.15	1		02/05/21 15:32	79-01-6	
Trichlorofluoromethane	**<0.12**	ug/L	0.41	0.12	1		02/05/21 15:32	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	2.0	0.59	1		02/05/21 15:32	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.30**	ug/L	1.0	0.30	1		02/05/21 15:32	76-13-1	
1,2,4-Trimethylbenzene	**<0.17**	ug/L	0.57	0.17	1		02/05/21 15:32	95-63-6	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	0.41	0.12	1		02/05/21 15:32	108-67-8	
Vinyl chloride	**<0.099**	ug/L	0.33	0.099	1		02/05/21 15:32	75-01-4	
Xylene (Total)	**<0.29**	ug/L	0.96	0.29	1		02/05/21 15:32	1330-20-7	
m&p-Xylene	**<0.29**	ug/L	0.96	0.29	1		02/05/21 15:32	179601-23-1	
o-Xylene	**<0.15**	ug/L	0.50	0.15	1		02/05/21 15:32	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%.	71-125		1		02/05/21 15:32	17060-07-0	
Toluene-d8 (S)	97	%.	75-125		1		02/05/21 15:32	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125		1		02/05/21 15:32	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Sample: MW-04 **Lab ID: 10546875004** Collected: 02/02/21 12:10 Received: 02/03/21 17:41 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis								
Acetone	**<2.5**	ug/L	8.4	2.5	1		02/05/21 15:49	67-64-1	
Allyl chloride	**<0.27**	ug/L	0.90	0.27	1		02/05/21 15:49	107-05-1	v2
Benzene	**<0.12**	ug/L	0.40	0.12	1		02/05/21 15:49	71-43-2	
Bromobenzene	**<0.13**	ug/L	0.44	0.13	1		02/05/21 15:49	108-86-1	
Bromochloromethane	**<0.36**	ug/L	1.2	0.36	1		02/05/21 15:49	74-97-5	
Bromodichloromethane	**<0.11**	ug/L	0.38	0.11	1		02/05/21 15:49	75-27-4	
Bromoform	**<0.27**	ug/L	0.90	0.27	1		02/05/21 15:49	75-25-2	v2
Bromomethane	**<0.63**	ug/L	2.1	0.63	1		02/05/21 15:49	74-83-9	1M
2-Butanone (MEK)	**<0.88**	ug/L	2.9	0.88	1		02/05/21 15:49	78-93-3	
n-Butylbenzene	**<0.16**	ug/L	0.52	0.16	1		02/05/21 15:49	104-51-8	
sec-Butylbenzene	**<0.15**	ug/L	0.49	0.15	1		02/05/21 15:49	135-98-8	
tert-Butylbenzene	**<0.13**	ug/L	0.43	0.13	1		02/05/21 15:49	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	0.56	0.17	1		02/05/21 15:49	56-23-5	
Chlorobenzene	**<0.076**	ug/L	0.25	0.076	1		02/05/21 15:49	108-90-7	
Chloroethane	**<0.42**	ug/L	1.4	0.42	1		02/05/21 15:49	75-00-3	
Chloroform	**<0.48**	ug/L	1.6	0.48	1		02/05/21 15:49	67-66-3	
Chloromethane	**<0.15**	ug/L	0.49	0.15	1		02/05/21 15:49	74-87-3	
2-Chlorotoluene	**<0.16**	ug/L	0.55	0.16	1		02/05/21 15:49	95-49-8	
4-Chlorotoluene	**<0.050**	ug/L	0.17	0.050	1		02/05/21 15:49	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.2**	ug/L	4.2	1.2	1		02/05/21 15:49	96-12-8	
Dibromochloromethane	**<0.20**	ug/L	0.66	0.20	1		02/05/21 15:49	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	0.60	0.18	1		02/05/21 15:49	106-93-4	
Dibromomethane	**<0.15**	ug/L	0.51	0.15	1		02/05/21 15:49	74-95-3	
1,2-Dichlorobenzene	**<0.14**	ug/L	0.45	0.14	1		02/05/21 15:49	95-50-1	
1,3-Dichlorobenzene	**<0.12**	ug/L	0.39	0.12	1		02/05/21 15:49	541-73-1	
1,4-Dichlorobenzene	**<0.082**	ug/L	0.27	0.082	1		02/05/21 15:49	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	0.65	0.20	1		02/05/21 15:49	75-71-8	
1,1-Dichloroethane	**<0.17**	ug/L	0.55	0.17	1		02/05/21 15:49	75-34-3	
1,2-Dichloroethane	**<0.25**	ug/L	0.85	0.25	1		02/05/21 15:49	107-06-2	
1,1-Dichloroethene	**<0.13**	ug/L	0.42	0.13	1		02/05/21 15:49	75-35-4	
cis-1,2-Dichloroethene	**<0.20**	ug/L	0.66	0.20	1		02/05/21 15:49	156-59-2	
trans-1,2-Dichloroethene	**<0.19**	ug/L	0.64	0.19	1		02/05/21 15:49	156-60-5	v2
Dichlorofluoromethane	**<0.19**	ug/L	0.63	0.19	1		02/05/21 15:49	75-43-4	
1,2-Dichloropropane	**<0.14**	ug/L	0.46	0.14	1		02/05/21 15:49	78-87-5	
1,3-Dichloropropane	**<0.13**	ug/L	0.43	0.13	1		02/05/21 15:49	142-28-9	v2
2,2-Dichloropropane	**<0.20**	ug/L	0.66	0.20	1		02/05/21 15:49	594-20-7	
1,1-Dichloropropene	**<0.22**	ug/L	0.74	0.22	1		02/05/21 15:49	563-58-6	
cis-1,3-Dichloropropene	**<0.077**	ug/L	0.26	0.077	1		02/05/21 15:49	10061-01-5	
trans-1,3-Dichloropropene	**<0.32**	ug/L	1.0	0.32	1		02/05/21 15:49	10061-02-6	
Diethyl ether (Ethyl ether)	**<0.18**	ug/L	0.58	0.18	1		02/05/21 15:49	60-29-7	v2
Ethylbenzene	**<0.075**	ug/L	0.25	0.075	1		02/05/21 15:49	100-41-4	
Hexachloro-1,3-butadiene	**<0.40**	ug/L	1.3	0.40	1		02/05/21 15:49	87-68-3	
Isopropylbenzene (Cumene)	**<0.13**	ug/L	0.44	0.13	1		02/05/21 15:49	98-82-8	
p-Isopropyltoluene	**<0.18**	ug/L	0.59	0.18	1		02/05/21 15:49	99-87-6	
Methylene Chloride	**<1.1**	ug/L	3.7	1.1	1		02/05/21 15:49	75-09-2	v2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Sample: MW-04 **Lab ID: 10546875004** Collected: 02/02/21 12:10 Received: 02/03/21 17:41 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis								
4-Methyl-2-pentanone (MIBK)	**<0.54**	ug/L	1.8	0.54	1		02/05/21 15:49	108-10-1	
Methyl-tert-butyl ether	**<0.12**	ug/L	0.39	0.12	1		02/05/21 15:49	1634-04-4	
Naphthalene	**<0.68**	ug/L	2.3	0.68	1		02/05/21 15:49	91-20-3	
n-Propylbenzene	**<0.18**	ug/L	0.61	0.18	1		02/05/21 15:49	103-65-1	
Styrene	**<0.11**	ug/L	0.37	0.11	1		02/05/21 15:49	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.13**	ug/L	0.44	0.13	1		02/05/21 15:49	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.16**	ug/L	0.53	0.16	1		02/05/21 15:49	79-34-5	
Tetrachloroethene	**228**	ug/L	0.58	0.17	1		02/05/21 15:49	127-18-4	
Tetrahydrofuran	**<3.4**	ug/L	11.3	3.4	1		02/05/21 15:49	109-99-9	
Toluene	**<0.12**	ug/L	0.41	0.12	1		02/05/21 15:49	108-88-3	
1,2,3-Trichlorobenzene	**<0.17**	ug/L	0.57	0.17	1		02/05/21 15:49	87-61-6	
1,2,4-Trichlorobenzene	**<0.19**	ug/L	0.63	0.19	1		02/05/21 15:49	120-82-1	
1,1,1-Trichloroethane	**<0.17**	ug/L	0.57	0.17	1		02/05/21 15:49	71-55-6	
1,1,2-Trichloroethane	**<0.19**	ug/L	0.64	0.19	1		02/05/21 15:49	79-00-5	
Trichloroethene	**0.64**	ug/L	0.50	0.15	1		02/05/21 15:49	79-01-6	
Trichlorofluoromethane	**<0.12**	ug/L	0.41	0.12	1		02/05/21 15:49	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	2.0	0.59	1		02/05/21 15:49	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.30**	ug/L	1.0	0.30	1		02/05/21 15:49	76-13-1	
1,2,4-Trimethylbenzene	**<0.17**	ug/L	0.57	0.17	1		02/05/21 15:49	95-63-6	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	0.41	0.12	1		02/05/21 15:49	108-67-8	
Vinyl chloride	**<0.099**	ug/L	0.33	0.099	1		02/05/21 15:49	75-01-4	
Xylene (Total)	**<0.29**	ug/L	0.96	0.29	1		02/05/21 15:49	1330-20-7	
m&p-Xylene	**<0.29**	ug/L	0.96	0.29	1		02/05/21 15:49	179601-23-1	
o-Xylene	**<0.15**	ug/L	0.50	0.15	1		02/05/21 15:49	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%.	71-125		1		02/05/21 15:49	17060-07-0	
Toluene-d8 (S)	97	%.	75-125		1		02/05/21 15:49	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	75-125		1		02/05/21 15:49	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Sample: MW-05 **Lab ID: 10546875005** Collected: 02/02/21 14:30 Received: 02/03/21 17:41 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis								
Acetone	**<2.5**	ug/L	8.4	2.5	1		02/05/21 16:06	67-64-1	
Allyl chloride	**<0.27**	ug/L	0.90	0.27	1		02/05/21 16:06	107-05-1	v2
Benzene	**<0.12**	ug/L	0.40	0.12	1		02/05/21 16:06	71-43-2	
Bromobenzene	**<0.13**	ug/L	0.44	0.13	1		02/05/21 16:06	108-86-1	
Bromochloromethane	**<0.36**	ug/L	1.2	0.36	1		02/05/21 16:06	74-97-5	
Bromodichloromethane	**<0.11**	ug/L	0.38	0.11	1		02/05/21 16:06	75-27-4	
Bromoform	**<0.27**	ug/L	0.90	0.27	1		02/05/21 16:06	75-25-2	v2
Bromomethane	**<0.63**	ug/L	2.1	0.63	1		02/05/21 16:06	74-83-9	1M
2-Butanone (MEK)	**<0.88**	ug/L	2.9	0.88	1		02/05/21 16:06	78-93-3	
n-Butylbenzene	**<0.16**	ug/L	0.52	0.16	1		02/05/21 16:06	104-51-8	
sec-Butylbenzene	**<0.15**	ug/L	0.49	0.15	1		02/05/21 16:06	135-98-8	
tert-Butylbenzene	**<0.13**	ug/L	0.43	0.13	1		02/05/21 16:06	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	0.56	0.17	1		02/05/21 16:06	56-23-5	
Chlorobenzene	**<0.076**	ug/L	0.25	0.076	1		02/05/21 16:06	108-90-7	
Chloroethane	**<0.42**	ug/L	1.4	0.42	1		02/05/21 16:06	75-00-3	
Chloroform	**<0.48**	ug/L	1.6	0.48	1		02/05/21 16:06	67-66-3	
Chloromethane	**<0.15**	ug/L	0.49	0.15	1		02/05/21 16:06	74-87-3	
2-Chlorotoluene	**<0.16**	ug/L	0.55	0.16	1		02/05/21 16:06	95-49-8	
4-Chlorotoluene	**<0.050**	ug/L	0.17	0.050	1		02/05/21 16:06	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.2**	ug/L	4.2	1.2	1		02/05/21 16:06	96-12-8	
Dibromochloromethane	**<0.20**	ug/L	0.66	0.20	1		02/05/21 16:06	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	0.60	0.18	1		02/05/21 16:06	106-93-4	
Dibromomethane	**<0.15**	ug/L	0.51	0.15	1		02/05/21 16:06	74-95-3	
1,2-Dichlorobenzene	**<0.14**	ug/L	0.45	0.14	1		02/05/21 16:06	95-50-1	
1,3-Dichlorobenzene	**<0.12**	ug/L	0.39	0.12	1		02/05/21 16:06	541-73-1	
1,4-Dichlorobenzene	**<0.082**	ug/L	0.27	0.082	1		02/05/21 16:06	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	0.65	0.20	1		02/05/21 16:06	75-71-8	
1,1-Dichloroethane	**<0.17**	ug/L	0.55	0.17	1		02/05/21 16:06	75-34-3	
1,2-Dichloroethane	**<0.25**	ug/L	0.85	0.25	1		02/05/21 16:06	107-06-2	
1,1-Dichloroethene	**<0.13**	ug/L	0.42	0.13	1		02/05/21 16:06	75-35-4	
cis-1,2-Dichloroethene	**<0.20**	ug/L	0.66	0.20	1		02/05/21 16:06	156-59-2	
trans-1,2-Dichloroethene	**<0.19**	ug/L	0.64	0.19	1		02/05/21 16:06	156-60-5	v2
Dichlorofluoromethane	**<0.19**	ug/L	0.63	0.19	1		02/05/21 16:06	75-43-4	
1,2-Dichloropropane	**<0.14**	ug/L	0.46	0.14	1		02/05/21 16:06	78-87-5	
1,3-Dichloropropane	**<0.13**	ug/L	0.43	0.13	1		02/05/21 16:06	142-28-9	v2
2,2-Dichloropropane	**<0.20**	ug/L	0.66	0.20	1		02/05/21 16:06	594-20-7	
1,1-Dichloropropene	**<0.22**	ug/L	0.74	0.22	1		02/05/21 16:06	563-58-6	
cis-1,3-Dichloropropene	**<0.077**	ug/L	0.26	0.077	1		02/05/21 16:06	10061-01-5	
trans-1,3-Dichloropropene	**<0.32**	ug/L	1.0	0.32	1		02/05/21 16:06	10061-02-6	
Diethyl ether (Ethyl ether)	**<0.18**	ug/L	0.58	0.18	1		02/05/21 16:06	60-29-7	v2
Ethylbenzene	**<0.075**	ug/L	0.25	0.075	1		02/05/21 16:06	100-41-4	
Hexachloro-1,3-butadiene	**<0.40**	ug/L	1.3	0.40	1		02/05/21 16:06	87-68-3	
Isopropylbenzene (Cumene)	**<0.13**	ug/L	0.44	0.13	1		02/05/21 16:06	98-82-8	
p-Isopropyltoluene	**<0.18**	ug/L	0.59	0.18	1		02/05/21 16:06	99-87-6	
Methylene Chloride	**<1.1**	ug/L	3.7	1.1	1		02/05/21 16:06	75-09-2	v2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Sample: MW-05 **Lab ID: 10546875005** Collected: 02/02/21 14:30 Received: 02/03/21 17:41 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis								
4-Methyl-2-pentanone (MIBK)	**<0.54**	ug/L	1.8	0.54	1		02/05/21 16:06	108-10-1	
Methyl-tert-butyl ether	**<0.12**	ug/L	0.39	0.12	1		02/05/21 16:06	1634-04-4	
Naphthalene	**<0.68**	ug/L	2.3	0.68	1		02/05/21 16:06	91-20-3	
n-Propylbenzene	**<0.18**	ug/L	0.61	0.18	1		02/05/21 16:06	103-65-1	
Styrene	**<0.11**	ug/L	0.37	0.11	1		02/05/21 16:06	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.13**	ug/L	0.44	0.13	1		02/05/21 16:06	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.16**	ug/L	0.53	0.16	1		02/05/21 16:06	79-34-5	
Tetrachloroethene	**2.0**	ug/L	0.58	0.17	1		02/05/21 16:06	127-18-4	
Tetrahydrofuran	**<3.4**	ug/L	11.3	3.4	1		02/05/21 16:06	109-99-9	
Toluene	**<0.12**	ug/L	0.41	0.12	1		02/05/21 16:06	108-88-3	
1,2,3-Trichlorobenzene	**<0.17**	ug/L	0.57	0.17	1		02/05/21 16:06	87-61-6	
1,2,4-Trichlorobenzene	**<0.19**	ug/L	0.63	0.19	1		02/05/21 16:06	120-82-1	
1,1,1-Trichloroethane	**<0.17**	ug/L	0.57	0.17	1		02/05/21 16:06	71-55-6	
1,1,2-Trichloroethane	**<0.19**	ug/L	0.64	0.19	1		02/05/21 16:06	79-00-5	
Trichloroethene	**<0.15**	ug/L	0.50	0.15	1		02/05/21 16:06	79-01-6	
Trichlorofluoromethane	**<0.12**	ug/L	0.41	0.12	1		02/05/21 16:06	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	2.0	0.59	1		02/05/21 16:06	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.30**	ug/L	1.0	0.30	1		02/05/21 16:06	76-13-1	
1,2,4-Trimethylbenzene	**<0.17**	ug/L	0.57	0.17	1		02/05/21 16:06	95-63-6	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	0.41	0.12	1		02/05/21 16:06	108-67-8	
Vinyl chloride	**<0.099**	ug/L	0.33	0.099	1		02/05/21 16:06	75-01-4	
Xylene (Total)	**<0.29**	ug/L	0.96	0.29	1		02/05/21 16:06	1330-20-7	
m&p-Xylene	**<0.29**	ug/L	0.96	0.29	1		02/05/21 16:06	179601-23-1	
o-Xylene	**<0.15**	ug/L	0.50	0.15	1		02/05/21 16:06	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%.	71-125		1		02/05/21 16:06	17060-07-0	
Toluene-d8 (S)	97	%.	75-125		1		02/05/21 16:06	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	75-125		1		02/05/21 16:06	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Sample: MW-04-D **Lab ID: 10546875006** Collected: 02/02/21 12:40 Received: 02/03/21 17:41 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis								
Acetone	**<2.5**	ug/L	8.4	2.5	1		02/05/21 16:23	67-64-1	
Allyl chloride	**<0.27**	ug/L	0.90	0.27	1		02/05/21 16:23	107-05-1	v2
Benzene	**<0.12**	ug/L	0.40	0.12	1		02/05/21 16:23	71-43-2	
Bromobenzene	**<0.13**	ug/L	0.44	0.13	1		02/05/21 16:23	108-86-1	
Bromochloromethane	**<0.36**	ug/L	1.2	0.36	1		02/05/21 16:23	74-97-5	
Bromodichloromethane	**<0.11**	ug/L	0.38	0.11	1		02/05/21 16:23	75-27-4	
Bromoform	**<0.27**	ug/L	0.90	0.27	1		02/05/21 16:23	75-25-2	v2
Bromomethane	**<0.63**	ug/L	2.1	0.63	1		02/05/21 16:23	74-83-9	1M
2-Butanone (MEK)	**<0.88**	ug/L	2.9	0.88	1		02/05/21 16:23	78-93-3	
n-Butylbenzene	**<0.16**	ug/L	0.52	0.16	1		02/05/21 16:23	104-51-8	
sec-Butylbenzene	**<0.15**	ug/L	0.49	0.15	1		02/05/21 16:23	135-98-8	
tert-Butylbenzene	**<0.13**	ug/L	0.43	0.13	1		02/05/21 16:23	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	0.56	0.17	1		02/05/21 16:23	56-23-5	
Chlorobenzene	**<0.076**	ug/L	0.25	0.076	1		02/05/21 16:23	108-90-7	
Chloroethane	**<0.42**	ug/L	1.4	0.42	1		02/05/21 16:23	75-00-3	
Chloroform	**<0.48**	ug/L	1.6	0.48	1		02/05/21 16:23	67-66-3	
Chloromethane	**<0.15**	ug/L	0.49	0.15	1		02/05/21 16:23	74-87-3	
2-Chlorotoluene	**<0.16**	ug/L	0.55	0.16	1		02/05/21 16:23	95-49-8	
4-Chlorotoluene	**<0.050**	ug/L	0.17	0.050	1		02/05/21 16:23	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.2**	ug/L	4.2	1.2	1		02/05/21 16:23	96-12-8	
Dibromochloromethane	**<0.20**	ug/L	0.66	0.20	1		02/05/21 16:23	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	0.60	0.18	1		02/05/21 16:23	106-93-4	
Dibromomethane	**<0.15**	ug/L	0.51	0.15	1		02/05/21 16:23	74-95-3	
1,2-Dichlorobenzene	**<0.14**	ug/L	0.45	0.14	1		02/05/21 16:23	95-50-1	
1,3-Dichlorobenzene	**<0.12**	ug/L	0.39	0.12	1		02/05/21 16:23	541-73-1	
1,4-Dichlorobenzene	**<0.082**	ug/L	0.27	0.082	1		02/05/21 16:23	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	0.65	0.20	1		02/05/21 16:23	75-71-8	
1,1-Dichloroethane	**<0.17**	ug/L	0.55	0.17	1		02/05/21 16:23	75-34-3	
1,2-Dichloroethane	**<0.25**	ug/L	0.85	0.25	1		02/05/21 16:23	107-06-2	
1,1-Dichloroethene	**<0.13**	ug/L	0.42	0.13	1		02/05/21 16:23	75-35-4	
cis-1,2-Dichloroethene	**<0.20**	ug/L	0.66	0.20	1		02/05/21 16:23	156-59-2	
trans-1,2-Dichloroethene	**<0.19**	ug/L	0.64	0.19	1		02/05/21 16:23	156-60-5	v2
Dichlorofluoromethane	**<0.19**	ug/L	0.63	0.19	1		02/05/21 16:23	75-43-4	
1,2-Dichloropropane	**<0.14**	ug/L	0.46	0.14	1		02/05/21 16:23	78-87-5	
1,3-Dichloropropane	**<0.13**	ug/L	0.43	0.13	1		02/05/21 16:23	142-28-9	
2,2-Dichloropropane	**<0.20**	ug/L	0.66	0.20	1		02/05/21 16:23	594-20-7	
1,1-Dichloropropene	**<0.22**	ug/L	0.74	0.22	1		02/05/21 16:23	563-58-6	
cis-1,3-Dichloropropene	**<0.077**	ug/L	0.26	0.077	1		02/05/21 16:23	10061-01-5	
trans-1,3-Dichloropropene	**<0.32**	ug/L	1.0	0.32	1		02/05/21 16:23	10061-02-6	v2
Diethyl ether (Ethyl ether)	**<0.18**	ug/L	0.58	0.18	1		02/05/21 16:23	60-29-7	v2
Ethylbenzene	**<0.075**	ug/L	0.25	0.075	1		02/05/21 16:23	100-41-4	
Hexachloro-1,3-butadiene	**<0.40**	ug/L	1.3	0.40	1		02/05/21 16:23	87-68-3	
Isopropylbenzene (Cumene)	**<0.13**	ug/L	0.44	0.13	1		02/05/21 16:23	98-82-8	
p-Isopropyltoluene	**<0.18**	ug/L	0.59	0.18	1		02/05/21 16:23	99-87-6	
Methylene Chloride	**<1.1**	ug/L	3.7	1.1	1		02/05/21 16:23	75-09-2	v2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Sample: MW-04-D **Lab ID: 10546875006** Collected: 02/02/21 12:40 Received: 02/03/21 17:41 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis								
4-Methyl-2-pentanone (MIBK)	**<0.54**	ug/L	1.8	0.54	1		02/05/21 16:23	108-10-1	
Methyl-tert-butyl ether	**<0.12**	ug/L	0.39	0.12	1		02/05/21 16:23	1634-04-4	
Naphthalene	**<0.68**	ug/L	2.3	0.68	1		02/05/21 16:23	91-20-3	
n-Propylbenzene	**<0.18**	ug/L	0.61	0.18	1		02/05/21 16:23	103-65-1	
Styrene	**<0.11**	ug/L	0.37	0.11	1		02/05/21 16:23	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.13**	ug/L	0.44	0.13	1		02/05/21 16:23	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.16**	ug/L	0.53	0.16	1		02/05/21 16:23	79-34-5	
Tetrachloroethene	**222**	ug/L	0.58	0.17	1		02/05/21 16:23	127-18-4	
Tetrahydrofuran	**<3.4**	ug/L	11.3	3.4	1		02/05/21 16:23	109-99-9	
Toluene	**<0.12**	ug/L	0.41	0.12	1		02/05/21 16:23	108-88-3	
1,2,3-Trichlorobenzene	**<0.17**	ug/L	0.57	0.17	1		02/05/21 16:23	87-61-6	
1,2,4-Trichlorobenzene	**<0.19**	ug/L	0.63	0.19	1		02/05/21 16:23	120-82-1	
1,1,1-Trichloroethane	**<0.17**	ug/L	0.57	0.17	1		02/05/21 16:23	71-55-6	
1,1,2-Trichloroethane	**<0.19**	ug/L	0.64	0.19	1		02/05/21 16:23	79-00-5	
Trichloroethene	**0.57**	ug/L	0.50	0.15	1		02/05/21 16:23	79-01-6	
Trichlorofluoromethane	**<0.12**	ug/L	0.41	0.12	1		02/05/21 16:23	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	2.0	0.59	1		02/05/21 16:23	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.30**	ug/L	1.0	0.30	1		02/05/21 16:23	76-13-1	
1,2,4-Trimethylbenzene	**<0.17**	ug/L	0.57	0.17	1		02/05/21 16:23	95-63-6	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	0.41	0.12	1		02/05/21 16:23	108-67-8	
Vinyl chloride	**<0.099**	ug/L	0.33	0.099	1		02/05/21 16:23	75-01-4	
Xylene (Total)	**<0.29**	ug/L	0.96	0.29	1		02/05/21 16:23	1330-20-7	
m&p-Xylene	**<0.29**	ug/L	0.96	0.29	1		02/05/21 16:23	179601-23-1	
o-Xylene	**<0.15**	ug/L	0.50	0.15	1		02/05/21 16:23	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%.	71-125		1		02/05/21 16:23	17060-07-0	
Toluene-d8 (S)	96	%.	75-125		1		02/05/21 16:23	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125		1		02/05/21 16:23	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Sample: TRIP BLANK **Lab ID: 10546875007** Collected: 02/01/21 12:00 Received: 02/03/21 17:41 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis								
Acetone	**<2.5**	ug/L	8.4	2.5	1		02/05/21 13:33	67-64-1	
Allyl chloride	**<0.27**	ug/L	0.90	0.27	1		02/05/21 13:33	107-05-1	v2
Benzene	**<0.12**	ug/L	0.40	0.12	1		02/05/21 13:33	71-43-2	
Bromobenzene	**<0.13**	ug/L	0.44	0.13	1		02/05/21 13:33	108-86-1	
Bromochloromethane	**<0.36**	ug/L	1.2	0.36	1		02/05/21 13:33	74-97-5	
Bromodichloromethane	**<0.11**	ug/L	0.38	0.11	1		02/05/21 13:33	75-27-4	
Bromoform	**<0.27**	ug/L	0.90	0.27	1		02/05/21 13:33	75-25-2	v2
Bromomethane	**<0.63**	ug/L	2.1	0.63	1		02/05/21 13:33	74-83-9	1M
2-Butanone (MEK)	**<0.88**	ug/L	2.9	0.88	1		02/05/21 13:33	78-93-3	
n-Butylbenzene	**<0.16**	ug/L	0.52	0.16	1		02/05/21 13:33	104-51-8	
sec-Butylbenzene	**<0.15**	ug/L	0.49	0.15	1		02/05/21 13:33	135-98-8	
tert-Butylbenzene	**<0.13**	ug/L	0.43	0.13	1		02/05/21 13:33	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	0.56	0.17	1		02/05/21 13:33	56-23-5	
Chlorobenzene	**<0.076**	ug/L	0.25	0.076	1		02/05/21 13:33	108-90-7	
Chloroethane	**<0.42**	ug/L	1.4	0.42	1		02/05/21 13:33	75-00-3	
Chloroform	**<0.48**	ug/L	1.6	0.48	1		02/05/21 13:33	67-66-3	
Chloromethane	**<0.15**	ug/L	0.49	0.15	1		02/05/21 13:33	74-87-3	
2-Chlorotoluene	**<0.16**	ug/L	0.55	0.16	1		02/05/21 13:33	95-49-8	
4-Chlorotoluene	**<0.050**	ug/L	0.17	0.050	1		02/05/21 13:33	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.2**	ug/L	4.2	1.2	1		02/05/21 13:33	96-12-8	
Dibromochloromethane	**<0.20**	ug/L	0.66	0.20	1		02/05/21 13:33	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	0.60	0.18	1		02/05/21 13:33	106-93-4	
Dibromomethane	**<0.15**	ug/L	0.51	0.15	1		02/05/21 13:33	74-95-3	
1,2-Dichlorobenzene	**<0.14**	ug/L	0.45	0.14	1		02/05/21 13:33	95-50-1	
1,3-Dichlorobenzene	**<0.12**	ug/L	0.39	0.12	1		02/05/21 13:33	541-73-1	
1,4-Dichlorobenzene	**<0.082**	ug/L	0.27	0.082	1		02/05/21 13:33	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	0.65	0.20	1		02/05/21 13:33	75-71-8	
1,1-Dichloroethane	**<0.17**	ug/L	0.55	0.17	1		02/05/21 13:33	75-34-3	
1,2-Dichloroethane	**<0.25**	ug/L	0.85	0.25	1		02/05/21 13:33	107-06-2	
1,1-Dichloroethene	**<0.13**	ug/L	0.42	0.13	1		02/05/21 13:33	75-35-4	
cis-1,2-Dichloroethene	**<0.20**	ug/L	0.66	0.20	1		02/05/21 13:33	156-59-2	
trans-1,2-Dichloroethene	**<0.19**	ug/L	0.64	0.19	1		02/05/21 13:33	156-60-5	v2
Dichlorofluoromethane	**<0.19**	ug/L	0.63	0.19	1		02/05/21 13:33	75-43-4	
1,2-Dichloropropane	**<0.14**	ug/L	0.46	0.14	1		02/05/21 13:33	78-87-5	
1,3-Dichloropropane	**<0.13**	ug/L	0.43	0.13	1		02/05/21 13:33	142-28-9	v2
2,2-Dichloropropane	**<0.20**	ug/L	0.66	0.20	1		02/05/21 13:33	594-20-7	
1,1-Dichloropropene	**<0.22**	ug/L	0.74	0.22	1		02/05/21 13:33	563-58-6	
cis-1,3-Dichloropropene	**<0.077**	ug/L	0.26	0.077	1		02/05/21 13:33	10061-01-5	
trans-1,3-Dichloropropene	**<0.32**	ug/L	1.0	0.32	1		02/05/21 13:33	10061-02-6	
Diethyl ether (Ethyl ether)	**<0.18**	ug/L	0.58	0.18	1		02/05/21 13:33	60-29-7	v2
Ethylbenzene	**<0.075**	ug/L	0.25	0.075	1		02/05/21 13:33	100-41-4	
Hexachloro-1,3-butadiene	**<0.40**	ug/L	1.3	0.40	1		02/05/21 13:33	87-68-3	
Isopropylbenzene (Cumene)	**<0.13**	ug/L	0.44	0.13	1		02/05/21 13:33	98-82-8	
p-Isopropyltoluene	**<0.18**	ug/L	0.59	0.18	1		02/05/21 13:33	99-87-6	
Methylene Chloride	**<1.1**	ug/L	3.7	1.1	1		02/05/21 13:33	75-09-2	v2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Sample: TRIP BLANK **Lab ID: 10546875007** Collected: 02/01/21 12:00 Received: 02/03/21 17:41 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis								
4-Methyl-2-pentanone (MIBK)	**<0.54**	ug/L	1.8	0.54	1		02/05/21 13:33	108-10-1	
Methyl-tert-butyl ether	**<0.12**	ug/L	0.39	0.12	1		02/05/21 13:33	1634-04-4	
Naphthalene	**<0.68**	ug/L	2.3	0.68	1		02/05/21 13:33	91-20-3	
n-Propylbenzene	**<0.18**	ug/L	0.61	0.18	1		02/05/21 13:33	103-65-1	
Styrene	**<0.11**	ug/L	0.37	0.11	1		02/05/21 13:33	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.13**	ug/L	0.44	0.13	1		02/05/21 13:33	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.16**	ug/L	0.53	0.16	1		02/05/21 13:33	79-34-5	
Tetrachloroethene	**<0.17**	ug/L	0.58	0.17	1		02/05/21 13:33	127-18-4	
Tetrahydrofuran	**<3.4**	ug/L	11.3	3.4	1		02/05/21 13:33	109-99-9	
Toluene	**<0.12**	ug/L	0.41	0.12	1		02/05/21 13:33	108-88-3	
1,2,3-Trichlorobenzene	**<0.17**	ug/L	0.57	0.17	1		02/05/21 13:33	87-61-6	
1,2,4-Trichlorobenzene	**<0.19**	ug/L	0.63	0.19	1		02/05/21 13:33	120-82-1	
1,1,1-Trichloroethane	**<0.17**	ug/L	0.57	0.17	1		02/05/21 13:33	71-55-6	
1,1,2-Trichloroethane	**<0.19**	ug/L	0.64	0.19	1		02/05/21 13:33	79-00-5	
Trichloroethene	**<0.15**	ug/L	0.50	0.15	1		02/05/21 13:33	79-01-6	
Trichlorofluoromethane	**<0.12**	ug/L	0.41	0.12	1		02/05/21 13:33	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	2.0	0.59	1		02/05/21 13:33	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.30**	ug/L	1.0	0.30	1		02/05/21 13:33	76-13-1	
1,2,4-Trimethylbenzene	**<0.17**	ug/L	0.57	0.17	1		02/05/21 13:33	95-63-6	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	0.41	0.12	1		02/05/21 13:33	108-67-8	
Vinyl chloride	**<0.099**	ug/L	0.33	0.099	1		02/05/21 13:33	75-01-4	
Xylene (Total)	**<0.29**	ug/L	0.96	0.29	1		02/05/21 13:33	1330-20-7	
m&p-Xylene	**<0.29**	ug/L	0.96	0.29	1		02/05/21 13:33	179601-23-1	
o-Xylene	**<0.15**	ug/L	0.50	0.15	1		02/05/21 13:33	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%.	71-125		1		02/05/21 13:33	17060-07-0	
Toluene-d8 (S)	98	%.	75-125		1		02/05/21 13:33	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125		1		02/05/21 13:33	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Sample: FIELD BLANK **Lab ID: 10546875008** Collected: 02/02/21 11:30 Received: 02/03/21 17:41 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis								
Acetone	**14.3**	ug/L	8.4	2.5	1		02/12/21 00:45	67-64-1	
Allyl chloride	**<0.27**	ug/L	0.90	0.27	1		02/12/21 00:45	107-05-1	
Benzene	**<0.12**	ug/L	0.40	0.12	1		02/12/21 00:45	71-43-2	
Bromobenzene	**<0.13**	ug/L	0.44	0.13	1		02/12/21 00:45	108-86-1	
Bromochloromethane	**<0.36**	ug/L	1.2	0.36	1		02/12/21 00:45	74-97-5	
Bromodichloromethane	**<0.11**	ug/L	0.38	0.11	1		02/12/21 00:45	75-27-4	
Bromoform	**<0.27**	ug/L	0.90	0.27	1		02/12/21 00:45	75-25-2	
Bromomethane	**<0.63**	ug/L	2.1	0.63	1		02/12/21 00:45	74-83-9	
2-Butanone (MEK)	**1.1J**	ug/L	2.9	0.88	1		02/12/21 00:45	78-93-3	
n-Butylbenzene	**<0.16**	ug/L	0.52	0.16	1		02/12/21 00:45	104-51-8	
sec-Butylbenzene	**<0.15**	ug/L	0.49	0.15	1		02/12/21 00:45	135-98-8	
tert-Butylbenzene	**<0.13**	ug/L	0.43	0.13	1		02/12/21 00:45	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	0.56	0.17	1		02/12/21 00:45	56-23-5	
Chlorobenzene	**<0.076**	ug/L	0.25	0.076	1		02/12/21 00:45	108-90-7	
Chloroethane	**<0.42**	ug/L	1.4	0.42	1		02/12/21 00:45	75-00-3	
Chloroform	**<0.48**	ug/L	1.6	0.48	1		02/12/21 00:45	67-66-3	
Chloromethane	**<0.15**	ug/L	0.49	0.15	1		02/12/21 00:45	74-87-3	
2-Chlorotoluene	**<0.16**	ug/L	0.55	0.16	1		02/12/21 00:45	95-49-8	
4-Chlorotoluene	**<0.050**	ug/L	0.17	0.050	1		02/12/21 00:45	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.2**	ug/L	4.2	1.2	1		02/12/21 00:45	96-12-8	
Dibromochloromethane	**<0.20**	ug/L	0.66	0.20	1		02/12/21 00:45	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	0.60	0.18	1		02/12/21 00:45	106-93-4	
Dibromomethane	**<0.15**	ug/L	0.51	0.15	1		02/12/21 00:45	74-95-3	
1,2-Dichlorobenzene	**<0.14**	ug/L	0.45	0.14	1		02/12/21 00:45	95-50-1	
1,3-Dichlorobenzene	**<0.12**	ug/L	0.39	0.12	1		02/12/21 00:45	541-73-1	
1,4-Dichlorobenzene	**<0.082**	ug/L	0.27	0.082	1		02/12/21 00:45	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	0.65	0.20	1		02/12/21 00:45	75-71-8	
1,1-Dichloroethane	**<0.17**	ug/L	0.55	0.17	1		02/12/21 00:45	75-34-3	
1,2-Dichloroethane	**<0.25**	ug/L	0.85	0.25	1		02/12/21 00:45	107-06-2	
1,1-Dichloroethene	**<0.13**	ug/L	0.42	0.13	1		02/12/21 00:45	75-35-4	
cis-1,2-Dichloroethene	**<0.20**	ug/L	0.66	0.20	1		02/12/21 00:45	156-59-2	
trans-1,2-Dichloroethene	**<0.19**	ug/L	0.64	0.19	1		02/12/21 00:45	156-60-5	
Dichlorofluoromethane	**<0.19**	ug/L	0.63	0.19	1		02/12/21 00:45	75-43-4	
1,2-Dichloropropane	**<0.14**	ug/L	0.46	0.14	1		02/12/21 00:45	78-87-5	
1,3-Dichloropropane	**<0.13**	ug/L	0.43	0.13	1		02/12/21 00:45	142-28-9	
2,2-Dichloropropane	**<0.20**	ug/L	0.66	0.20	1		02/12/21 00:45	594-20-7	
1,1-Dichloropropene	**<0.22**	ug/L	0.74	0.22	1		02/12/21 00:45	563-58-6	
cis-1,3-Dichloropropene	**<0.077**	ug/L	0.26	0.077	1		02/12/21 00:45	10061-01-5	
trans-1,3-Dichloropropene	**<0.32**	ug/L	1.0	0.32	1		02/12/21 00:45	10061-02-6	
Diethyl ether (Ethyl ether)	**0.52J**	ug/L	0.58	0.18	1		02/12/21 00:45	60-29-7	
Ethylbenzene	**0.12J**	ug/L	0.25	0.075	1		02/12/21 00:45	100-41-4	
Hexachloro-1,3-butadiene	**<0.40**	ug/L	1.3	0.40	1		02/12/21 00:45	87-68-3	
Isopropylbenzene (Cumene)	**<0.13**	ug/L	0.44	0.13	1		02/12/21 00:45	98-82-8	
p-Isopropyltoluene	**<0.18**	ug/L	0.59	0.18	1		02/12/21 00:45	99-87-6	
Methylene Chloride	**<1.1**	ug/L	3.7	1.1	1		02/12/21 00:45	75-09-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Sample: FIELD BLANK **Lab ID: 10546875008** Collected: 02/02/21 11:30 Received: 02/03/21 17:41 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis								
4-Methyl-2-pentanone (MIBK)	**0.77J**	ug/L	1.8	0.54	1		02/12/21 00:45	108-10-1	
Methyl-tert-butyl ether	**<0.12**	ug/L	0.39	0.12	1		02/12/21 00:45	1634-04-4	
Naphthalene	**<0.68**	ug/L	2.3	0.68	1		02/12/21 00:45	91-20-3	
n-Propylbenzene	**<0.18**	ug/L	0.61	0.18	1		02/12/21 00:45	103-65-1	
Styrene	**<0.11**	ug/L	0.37	0.11	1		02/12/21 00:45	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.13**	ug/L	0.44	0.13	1		02/12/21 00:45	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.16**	ug/L	0.53	0.16	1		02/12/21 00:45	79-34-5	
Tetrachloroethene	**<0.17**	ug/L	0.58	0.17	1		02/12/21 00:45	127-18-4	
Tetrahydrofuran	**<3.4**	ug/L	11.3	3.4	1		02/12/21 00:45	109-99-9	
Toluene	**0.33J**	ug/L	0.41	0.12	1		02/12/21 00:45	108-88-3	
1,2,3-Trichlorobenzene	**<0.17**	ug/L	0.57	0.17	1		02/12/21 00:45	87-61-6	
1,2,4-Trichlorobenzene	**<0.19**	ug/L	0.63	0.19	1		02/12/21 00:45	120-82-1	
1,1,1-Trichloroethane	**<0.17**	ug/L	0.57	0.17	1		02/12/21 00:45	71-55-6	
1,1,2-Trichloroethane	**<0.19**	ug/L	0.64	0.19	1		02/12/21 00:45	79-00-5	
Trichloroethene	**<0.15**	ug/L	0.50	0.15	1		02/12/21 00:45	79-01-6	
Trichlorofluoromethane	**<0.12**	ug/L	0.41	0.12	1		02/12/21 00:45	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	2.0	0.59	1		02/12/21 00:45	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<0.30**	ug/L	1.0	0.30	1		02/12/21 00:45	76-13-1	
1,2,4-Trimethylbenzene	**<0.17**	ug/L	0.57	0.17	1		02/12/21 00:45	95-63-6	
1,3,5-Trimethylbenzene	**<0.12**	ug/L	0.41	0.12	1		02/12/21 00:45	108-67-8	
Vinyl chloride	**<0.099**	ug/L	0.33	0.099	1		02/12/21 00:45	75-01-4	
Xylene (Total)	**0.45J**	ug/L	0.96	0.29	1		02/12/21 00:45	1330-20-7	
m&p-Xylene	**0.29J**	ug/L	0.96	0.29	1		02/12/21 00:45	179601-23-1	
o-Xylene	**0.16J**	ug/L	0.50	0.15	1		02/12/21 00:45	95-47-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	94	%.	71-125		1		02/12/21 00:45	17060-07-0	
Toluene-d8 (S)	101	%.	75-125		1		02/12/21 00:45	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1		02/12/21 00:45	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

QC Batch: 724028
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 465 W
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10546875001, 10546875002, 10546875003, 10546875004, 10546875005, 10546875006, 10546875007

METHOD BLANK: 3859443
Matrix: Water
Associated Lab Samples: 10546875001, 10546875002, 10546875003, 10546875004, 10546875005, 10546875006, 10546875007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.13	0.44	02/05/21 13:02	
1,1,1-Trichloroethane	ug/L	<0.17	0.57	02/05/21 13:02	
1,1,2,2-Tetrachloroethane	ug/L	<0.16	0.53	02/05/21 13:02	
1,1,2-Trichloroethane	ug/L	<0.19	0.64	02/05/21 13:02	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.30	1.0	02/05/21 13:02	
1,1-Dichloroethane	ug/L	<0.17	0.55	02/05/21 13:02	
1,1-Dichloroethene	ug/L	<0.13	0.42	02/05/21 13:02	
1,1-Dichloropropene	ug/L	<0.22	0.74	02/05/21 13:02	
1,2,3-Trichlorobenzene	ug/L	<0.17	0.57	02/05/21 13:02	
1,2,3-Trichloropropane	ug/L	<0.59	2.0	02/05/21 13:02	
1,2,4-Trichlorobenzene	ug/L	<0.19	0.63	02/05/21 13:02	
1,2,4-Trimethylbenzene	ug/L	<0.17	0.57	02/05/21 13:02	
1,2-Dibromo-3-chloropropane	ug/L	<1.2	4.2	02/05/21 13:02	
1,2-Dibromoethane (EDB)	ug/L	<0.18	0.60	02/05/21 13:02	
1,2-Dichlorobenzene	ug/L	<0.14	0.45	02/05/21 13:02	
1,2-Dichloroethane	ug/L	<0.25	0.85	02/05/21 13:02	
1,2-Dichloropropane	ug/L	<0.14	0.46	02/05/21 13:02	
1,3,5-Trimethylbenzene	ug/L	<0.12	0.41	02/05/21 13:02	
1,3-Dichlorobenzene	ug/L	<0.12	0.39	02/05/21 13:02	
1,3-Dichloropropane	ug/L	<0.13	0.43	02/05/21 13:02	v2
1,4-Dichlorobenzene	ug/L	<0.082	0.27	02/05/21 13:02	
2,2-Dichloropropane	ug/L	<0.20	0.66	02/05/21 13:02	
2-Butanone (MEK)	ug/L	<0.88	2.9	02/05/21 13:02	
2-Chlorotoluene	ug/L	<0.16	0.55	02/05/21 13:02	
4-Chlorotoluene	ug/L	<0.050	0.17	02/05/21 13:02	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.54	1.8	02/05/21 13:02	
Acetone	ug/L	<2.5	8.4	02/05/21 13:02	
Allyl chloride	ug/L	<0.27	0.90	02/05/21 13:02	v2
Benzene	ug/L	<0.12	0.40	02/05/21 13:02	
Bromobenzene	ug/L	<0.13	0.44	02/05/21 13:02	
Bromochloromethane	ug/L	<0.36	1.2	02/05/21 13:02	
Bromodichloromethane	ug/L	<0.11	0.38	02/05/21 13:02	
Bromoform	ug/L	<0.27	0.90	02/05/21 13:02	v2
Bromomethane	ug/L	<0.63	2.1	02/05/21 13:02	1M
Carbon tetrachloride	ug/L	<0.17	0.56	02/05/21 13:02	
Chlorobenzene	ug/L	<0.076	0.25	02/05/21 13:02	
Chloroethane	ug/L	<0.42	1.4	02/05/21 13:02	
Chloroform	ug/L	<0.48	1.6	02/05/21 13:02	
Chloromethane	ug/L	<0.15	0.49	02/05/21 13:02	
cis-1,2-Dichloroethene	ug/L	<0.20	0.66	02/05/21 13:02	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

METHOD BLANK: 3859443 Matrix: Water
Associated Lab Samples: 10546875001, 10546875002, 10546875003, 10546875004, 10546875005, 10546875006, 10546875007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	<0.077	0.26	02/05/21 13:02	
Dibromochloromethane	ug/L	<0.20	0.66	02/05/21 13:02	
Dibromomethane	ug/L	<0.15	0.51	02/05/21 13:02	
Dichlorodifluoromethane	ug/L	<0.20	0.65	02/05/21 13:02	
Dichlorofluoromethane	ug/L	<0.19	0.63	02/05/21 13:02	
Diethyl ether (Ethyl ether)	ug/L	<0.18	0.58	02/05/21 13:02	v2
Ethylbenzene	ug/L	<0.075	0.25	02/05/21 13:02	
Hexachloro-1,3-butadiene	ug/L	<0.40	1.3	02/05/21 13:02	
Isopropylbenzene (Cumene)	ug/L	<0.13	0.44	02/05/21 13:02	
m&p-Xylene	ug/L	<0.29	0.96	02/05/21 13:02	
Methyl-tert-butyl ether	ug/L	<0.12	0.39	02/05/21 13:02	
Methylene Chloride	ug/L	<1.1	3.7	02/05/21 13:02	v2
n-Butylbenzene	ug/L	<0.16	0.52	02/05/21 13:02	
n-Propylbenzene	ug/L	<0.18	0.61	02/05/21 13:02	
Naphthalene	ug/L	<0.68	2.3	02/05/21 13:02	
o-Xylene	ug/L	<0.15	0.50	02/05/21 13:02	
p-Isopropyltoluene	ug/L	<0.18	0.59	02/05/21 13:02	
sec-Butylbenzene	ug/L	<0.15	0.49	02/05/21 13:02	
Styrene	ug/L	<0.11	0.37	02/05/21 13:02	
tert-Butylbenzene	ug/L	<0.13	0.43	02/05/21 13:02	
Tetrachloroethene	ug/L	<0.17	0.58	02/05/21 13:02	
Tetrahydrofuran	ug/L	<3.4	11.3	02/05/21 13:02	
Toluene	ug/L	<0.12	0.41	02/05/21 13:02	
trans-1,2-Dichloroethene	ug/L	<0.19	0.64	02/05/21 13:02	v2
trans-1,3-Dichloropropene	ug/L	<0.32	1.0	02/05/21 13:02	
Trichloroethene	ug/L	<0.15	0.50	02/05/21 13:02	
Trichlorofluoromethane	ug/L	<0.12	0.41	02/05/21 13:02	
Vinyl chloride	ug/L	<0.099	0.33	02/05/21 13:02	
Xylene (Total)	ug/L	<0.29	0.96	02/05/21 13:02	
1,2-Dichloroethane-d4 (S)	%.	101	71-125	02/05/21 13:02	
4-Bromofluorobenzene (S)	%.	96	75-125	02/05/21 13:02	
Toluene-d8 (S)	%.	98	75-125	02/05/21 13:02	

LABORATORY CONTROL SAMPLE: 3859444

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	16.5	83	67-134	
1,1,1-Trichloroethane	ug/L	20	18.8	94	72-129	
1,1,2,2-Tetrachloroethane	ug/L	20	17.7	88	74-125	
1,1,2-Trichloroethane	ug/L	20	18.0	90	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	20.6	103	73-130	
1,1-Dichloroethane	ug/L	20	18.1	91	72-128	
1,1-Dichloroethene	ug/L	20	17.0	85	67-130	
1,1-Dichloropropene	ug/L	20	17.6	88	65-131	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

LABORATORY CONTROL SAMPLE: 3859444

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichlorobenzene	ug/L	20	19.3	96	69-130	
1,2,3-Trichloropropane	ug/L	20	18.2	91	75-125	
1,2,4-Trichlorobenzene	ug/L	20	19.1	95	64-132	
1,2,4-Trimethylbenzene	ug/L	20	18.0	90	75-126	
1,2-Dibromo-3-chloropropane	ug/L	50	42.3	85	59-135	
1,2-Dibromoethane (EDB)	ug/L	20	17.9	89	75-125	
1,2-Dichlorobenzene	ug/L	20	19.2	96	74-127	
1,2-Dichloroethane	ug/L	20	16.9	85	74-125	
1,2-Dichloropropane	ug/L	20	17.5	88	75-125	
1,3,5-Trimethylbenzene	ug/L	20	18.1	90	75-125	
1,3-Dichlorobenzene	ug/L	20	18.9	95	74-127	
1,3-Dichloropropane	ug/L	20	15.9	80	75-125	v3
1,4-Dichlorobenzene	ug/L	20	18.9	95	73-125	
2,2-Dichloropropane	ug/L	20	18.7	93	68-129	
2-Butanone (MEK)	ug/L	100	84.8	85	66-129	
2-Chlorotoluene	ug/L	20	17.5	87	75-125	
4-Chlorotoluene	ug/L	20	16.9	85	74-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	84.4	84	74-129	
Acetone	ug/L	100	88.0	88	50-150	
Allyl chloride	ug/L	20	15.5	78	55-133	v3
Benzene	ug/L	20	17.6	88	73-125	
Bromobenzene	ug/L	20	18.4	92	72-125	
Bromochloromethane	ug/L	20	18.2	91	75-127	
Bromodichloromethane	ug/L	20	17.6	88	75-125	
Bromoform	ug/L	20	15.1	76	64-134	v3
Bromomethane	ug/L	20	18.4	92	30-150	1M
Carbon tetrachloride	ug/L	20	18.5	92	63-135	
Chlorobenzene	ug/L	20	18.8	94	75-125	
Chloroethane	ug/L	20	21.3	106	61-142	
Chloroform	ug/L	20	17.4	87	75-125	
Chloromethane	ug/L	20	19.8	99	64-129	
cis-1,2-Dichloroethene	ug/L	20	16.5	82	74-125	
cis-1,3-Dichloropropene	ug/L	20	17.4	87	75-126	
Dibromochloromethane	ug/L	20	17.3	86	71-131	
Dibromomethane	ug/L	20	18.4	92	75-126	
Dichlorodifluoromethane	ug/L	20	19.4	97	60-135	
Dichlorofluoromethane	ug/L	20	20.4	102	72-125	
Diethyl ether (Ethyl ether)	ug/L	20	15.7	78	70-128	v3
Ethylbenzene	ug/L	20	17.8	89	75-125	
Hexachloro-1,3-butadiene	ug/L	20	22.0	110	63-134	
Isopropylbenzene (Cumene)	ug/L	20	19.0	95	75-125	
m&p-Xylene	ug/L	40	36.2	90	75-125	
Methyl-tert-butyl ether	ug/L	20	16.7	83	75-125	
Methylene Chloride	ug/L	20	15.7	78	69-125	v3
n-Butylbenzene	ug/L	20	18.5	93	72-128	
n-Propylbenzene	ug/L	20	18.0	90	75-125	
Naphthalene	ug/L	20	17.2	86	69-127	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

LABORATORY CONTROL SAMPLE: 3859444

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
o-Xylene	ug/L	20	18.5	92	75-125	
p-Isopropyltoluene	ug/L	20	18.6	93	75-125	
sec-Butylbenzene	ug/L	20	19.3	96	75-127	
Styrene	ug/L	20	18.3	91	75-127	
tert-Butylbenzene	ug/L	20	18.9	95	75-125	
Tetrachloroethene	ug/L	20	19.3	97	69-131	
Tetrahydrofuran	ug/L	200	162	81	70-135	
Toluene	ug/L	20	18.0	90	75-125	
trans-1,2-Dichloroethene	ug/L	20	15.2	76	69-130	v3
trans-1,3-Dichloropropene	ug/L	20	17.7	88	74-128	
Trichloroethene	ug/L	20	17.6	88	75-130	
Trichlorofluoromethane	ug/L	20	23.0	115	71-133	
Vinyl chloride	ug/L	20	20.9	104	67-129	
Xylene (Total)	ug/L	60	54.7	91	75-125	
1,2-Dichloroethane-d4 (S)	%.			103	71-125	
4-Bromofluorobenzene (S)	%.			97	75-125	
Toluene-d8 (S)	%.			100	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3861407 3861408

Parameter	Units	10547319001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<0.44	20	20	16.9	18.2	85	91	57-134	7	30	
1,1,1-Trichloroethane	ug/L	<0.57	20	20	18.6	19.8	93	99	62-136	6	30	
1,1,2,2-Tetrachloroethane	ug/L	<0.53	20	20	18.0	18.6	90	93	63-127	4	30	
1,1,2-Trichloroethane	ug/L	<0.64	20	20	18.4	20.1	92	101	65-128	9	30	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	20	20	21.2	21.7	106	108	62-145	2	30	
1,1-Dichloroethane	ug/L	<0.55	20	20	18.5	19.6	92	98	63-128	6	30	
1,1-Dichloroethene	ug/L	<0.42	20	20	17.3	18.1	86	91	59-135	5	30	
1,1-Dichloropropene	ug/L	<0.74	20	20	17.8	19.1	89	95	64-135	7	30	
1,2,3-Trichlorobenzene	ug/L	<0.57	20	20	19.6	22.5	98	113	59-133	14	30	
1,2,3-Trichloropropane	ug/L	<2.0	20	20	18.1	18.6	90	93	62-125	3	30	
1,2,4-Trichlorobenzene	ug/L	<0.63	20	20	19.1	21.4	96	107	54-137	11	30	
1,2,4-Trimethylbenzene	ug/L	<0.57	20	20	18.3	20.2	91	101	68-126	10	30	
1,2-Dibromo-3-chloropropane	ug/L	<4.2	50	50	41.9	43.8	84	88	55-135	4	30	
1,2-Dibromoethane (EDB)	ug/L	<0.60	20	20	17.6	19.1	88	95	64-125	8	30	
1,2-Dichlorobenzene	ug/L	<0.45	20	20	20.0	21.5	100	108	65-130	7	30	
1,2-Dichloroethane	ug/L	<0.85	20	20	17.6	18.5	88	92	58-125	5	30	
1,2-Dichloropropane	ug/L	<0.46	20	20	17.5	18.9	87	95	65-125	8	30	
1,3,5-Trimethylbenzene	ug/L	<0.41	20	20	18.7	20.9	93	104	67-125	11	30	
1,3-Dichlorobenzene	ug/L	<0.39	20	20	19.6	21.6	98	108	68-131	10	30	
1,3-Dichloropropane	ug/L	<0.43	20	20	16.4	17.1	82	85	65-125	4	30	v3
1,4-Dichlorobenzene	ug/L	<0.27	20	20	19.2	21.0	96	105	64-127	9	30	
2,2-Dichloropropane	ug/L	<0.66	20	20	19.1	20.1	96	100	65-131	5	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3861407 3861408

Parameter	Units	10547319001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	<2.9	100	100	83.3	85.6	83	86	54-129	3	30	
2-Chlorotoluene	ug/L	<0.55	20	20	17.7	19.8	88	99	69-125	11	30	
4-Chlorotoluene	ug/L	<0.17	20	20	17.7	19.4	88	97	61-129	9	30	
4-Methyl-2-pentanone (MIBK)	ug/L	<1.8	100	100	90.0	94.6	90	95	61-130	5	30	
Acetone	ug/L	<8.4	100	100	69.5	76.2	69	76	30-150	9	30	
Allyl chloride	ug/L	<0.90	20	20	15.8	17.1	79	86	51-137	8	30	v3
Benzene	ug/L	<0.40	20	20	17.9	19.1	90	96	60-125	7	30	
Bromobenzene	ug/L	<0.44	20	20	18.8	20.2	94	101	61-125	7	30	
Bromochloromethane	ug/L	<1.2	20	20	18.4	19.9	92	99	62-127	8	30	
Bromodichloromethane	ug/L	<0.38	20	20	18.1	19.7	91	98	63-127	8	30	
Bromoform	ug/L	<0.90	20	20	14.8	16.4	74	82	62-134	11	30	v3
Bromomethane	ug/L	<2.1	20	20	21.8	25.1	109	125	30-150	14	30	1M
Carbon tetrachloride	ug/L	<0.56	20	20	18.3	19.5	92	97	63-142	6	30	
Chlorobenzene	ug/L	<0.25	20	20	19.2	20.4	96	102	65-128	6	30	
Chloroethane	ug/L	<1.4	20	20	23.0	23.7	115	119	61-142	3	30	
Chloroform	ug/L	<1.6	20	20	17.2	17.8	86	89	63-125	3	30	
Chloromethane	ug/L	<0.49	20	20	21.3	22.6	107	113	56-132	6	30	
cis-1,2-Dichloroethene	ug/L	<0.66	20	20	16.8	17.9	84	89	63-125	6	30	
cis-1,3-Dichloropropene	ug/L	<0.26	20	20	17.6	18.8	88	94	61-126	7	30	
Dibromochloromethane	ug/L	<0.66	20	20	17.5	18.0	88	90	70-131	3	30	
Dibromomethane	ug/L	<0.51	20	20	18.8	19.1	94	95	66-126	1	30	
Dichlorodifluoromethane	ug/L	<0.65	20	20	21.0	21.8	105	109	59-137	3	30	
Dichlorofluoromethane	ug/L	<0.63	20	20	21.6	23.0	108	115	55-144	6	30	
Diethyl ether (Ethyl ether)	ug/L	<0.58	20	20	16.0	16.8	80	84	59-128	5	30	v3
Ethylbenzene	ug/L	<0.25	20	20	18.2	20.0	91	100	61-125	9	30	
Hexachloro-1,3-butadiene	ug/L	<1.3	20	20	24.4	21.9	122	109	53-143	11	30	
Isopropylbenzene (Cumene)	ug/L	<0.44	20	20	19.4	21.9	97	109	75-128	12	30	
m&p-Xylene	ug/L	<0.96	40	40	36.8	40.5	92	101	62-125	10	30	
Methyl-tert-butyl ether	ug/L	<0.39	20	20	17.3	18.6	86	93	61-125	8	30	
Methylene Chloride	ug/L	<3.7	20	20	16.1	17.3	80	86	58-125	7	30	v3
n-Butylbenzene	ug/L	<0.52	20	20	19.6	20.8	98	104	67-133	6	30	
n-Propylbenzene	ug/L	<0.61	20	20	18.8	20.6	94	103	67-129	9	30	
Naphthalene	ug/L	<2.3	20	20	17.7	20.3	88	101	54-127	14	30	
o-Xylene	ug/L	<0.50	20	20	18.9	21.1	95	105	60-127	11	30	
p-Isopropyltoluene	ug/L	<0.59	20	20	19.6	21.1	98	106	69-130	7	30	
sec-Butylbenzene	ug/L	<0.49	20	20	20.5	21.9	103	110	69-132	7	30	
Styrene	ug/L	<0.37	20	20	18.3	19.8	91	99	66-132	8	30	
tert-Butylbenzene	ug/L	<0.43	20	20	19.7	21.4	98	107	68-129	9	30	
Tetrachloroethene	ug/L	<0.58	20	20	20.1	21.9	101	110	66-138	8	30	
Tetrahydrofuran	ug/L	<11.3	200	200	166	183	83	91	57-137	9	30	
Toluene	ug/L	<0.41	20	20	18.4	19.7	91	98	61-125	7	30	
trans-1,2-Dichloroethene	ug/L	<0.64	20	20	15.8	16.3	79	82	60-135	3	30	v3
trans-1,3-Dichloropropene	ug/L	<1.0	20	20	17.8	19.5	89	98	64-128	9	30	
Trichloroethene	ug/L	<0.50	20	20	18.1	18.7	91	94	65-137	3	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3861407 3861408

Parameter	Units	10547319001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Trichlorofluoromethane	ug/L	<0.41	20	20	24.1	24.9	121	124	69-140	3	30	
Vinyl chloride	ug/L	<0.33	20	20	22.6	23.2	113	116	63-132	2	30	
Xylene (Total)	ug/L	<0.96	60	60	55.7	61.6	93	103	63-125	10	30	
1,2-Dichloroethane-d4 (S)	%.						102	103	71-125			
4-Bromofluorobenzene (S)	%.						96	94	75-125			
Toluene-d8 (S)	%.						99	99	75-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(612)607-1700

QUALITY CONTROL DATA

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

QC Batch: 724976
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 465 W
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10546875008

METHOD BLANK: 3864169 Matrix: Water
Associated Lab Samples: 10546875008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.13	0.44	02/12/21 00:00	
1,1,1-Trichloroethane	ug/L	<0.17	0.57	02/12/21 00:00	
1,1,2,2-Tetrachloroethane	ug/L	<0.16	0.53	02/12/21 00:00	
1,1,2-Trichloroethane	ug/L	<0.19	0.64	02/12/21 00:00	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.30	1.0	02/12/21 00:00	
1,1-Dichloroethane	ug/L	<0.17	0.55	02/12/21 00:00	
1,1-Dichloroethene	ug/L	<0.13	0.42	02/12/21 00:00	
1,1-Dichloropropene	ug/L	<0.22	0.74	02/12/21 00:00	
1,2,3-Trichlorobenzene	ug/L	<0.17	0.57	02/12/21 00:00	
1,2,3-Trichloropropane	ug/L	<0.59	2.0	02/12/21 00:00	
1,2,4-Trichlorobenzene	ug/L	<0.19	0.63	02/12/21 00:00	
1,2,4-Trimethylbenzene	ug/L	<0.17	0.57	02/12/21 00:00	
1,2-Dibromo-3-chloropropane	ug/L	<1.2	4.2	02/12/21 00:00	
1,2-Dibromoethane (EDB)	ug/L	<0.18	0.60	02/12/21 00:00	
1,2-Dichlorobenzene	ug/L	<0.14	0.45	02/12/21 00:00	
1,2-Dichloroethane	ug/L	<0.25	0.85	02/12/21 00:00	
1,2-Dichloropropane	ug/L	<0.14	0.46	02/12/21 00:00	
1,3,5-Trimethylbenzene	ug/L	<0.12	0.41	02/12/21 00:00	
1,3-Dichlorobenzene	ug/L	<0.12	0.39	02/12/21 00:00	
1,3-Dichloropropane	ug/L	<0.13	0.43	02/12/21 00:00	
1,4-Dichlorobenzene	ug/L	<0.082	0.27	02/12/21 00:00	
2,2-Dichloropropane	ug/L	<0.20	0.66	02/12/21 00:00	
2-Butanone (MEK)	ug/L	<0.88	2.9	02/12/21 00:00	
2-Chlorotoluene	ug/L	<0.16	0.55	02/12/21 00:00	
4-Chlorotoluene	ug/L	<0.050	0.17	02/12/21 00:00	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.54	1.8	02/12/21 00:00	
Acetone	ug/L	<2.5	8.4	02/12/21 00:00	
Allyl chloride	ug/L	<0.27	0.90	02/12/21 00:00	
Benzene	ug/L	<0.12	0.40	02/12/21 00:00	
Bromobenzene	ug/L	<0.13	0.44	02/12/21 00:00	
Bromochloromethane	ug/L	<0.36	1.2	02/12/21 00:00	
Bromodichloromethane	ug/L	<0.11	0.38	02/12/21 00:00	
Bromoform	ug/L	<0.27	0.90	02/12/21 00:00	
Bromomethane	ug/L	<0.63	2.1	02/12/21 00:00	
Carbon tetrachloride	ug/L	<0.17	0.56	02/12/21 00:00	
Chlorobenzene	ug/L	<0.076	0.25	02/12/21 00:00	
Chloroethane	ug/L	<0.42	1.4	02/12/21 00:00	
Chloroform	ug/L	<0.48	1.6	02/12/21 00:00	
Chloromethane	ug/L	<0.15	0.49	02/12/21 00:00	
cis-1,2-Dichloroethene	ug/L	<0.20	0.66	02/12/21 00:00	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

METHOD BLANK: 3864169 Matrix: Water
Associated Lab Samples: 10546875008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	<0.077	0.26	02/12/21 00:00	
Dibromochloromethane	ug/L	<0.20	0.66	02/12/21 00:00	
Dibromomethane	ug/L	<0.15	0.51	02/12/21 00:00	
Dichlorodifluoromethane	ug/L	<0.20	0.65	02/12/21 00:00	
Dichlorofluoromethane	ug/L	<0.19	0.63	02/12/21 00:00	
Diethyl ether (Ethyl ether)	ug/L	<0.18	0.58	02/12/21 00:00	
Ethylbenzene	ug/L	<0.075	0.25	02/12/21 00:00	
Hexachloro-1,3-butadiene	ug/L	0.77J	1.3	02/12/21 00:00	
Isopropylbenzene (Cumene)	ug/L	<0.13	0.44	02/12/21 00:00	
m&p-Xylene	ug/L	<0.29	0.96	02/12/21 00:00	
Methyl-tert-butyl ether	ug/L	<0.12	0.39	02/12/21 00:00	
Methylene Chloride	ug/L	<1.1	3.7	02/12/21 00:00	
n-Butylbenzene	ug/L	<0.16	0.52	02/12/21 00:00	
n-Propylbenzene	ug/L	<0.18	0.61	02/12/21 00:00	
Naphthalene	ug/L	<0.68	2.3	02/12/21 00:00	
o-Xylene	ug/L	<0.15	0.50	02/12/21 00:00	
p-Isopropyltoluene	ug/L	<0.18	0.59	02/12/21 00:00	
sec-Butylbenzene	ug/L	<0.15	0.49	02/12/21 00:00	
Styrene	ug/L	<0.11	0.37	02/12/21 00:00	
tert-Butylbenzene	ug/L	<0.13	0.43	02/12/21 00:00	
Tetrachloroethene	ug/L	<0.17	0.58	02/12/21 00:00	
Tetrahydrofuran	ug/L	<3.4	11.3	02/12/21 00:00	
Toluene	ug/L	<0.12	0.41	02/12/21 00:00	
trans-1,2-Dichloroethene	ug/L	<0.19	0.64	02/12/21 00:00	
trans-1,3-Dichloropropene	ug/L	<0.32	1.0	02/12/21 00:00	
Trichloroethene	ug/L	<0.15	0.50	02/12/21 00:00	
Trichlorofluoromethane	ug/L	<0.12	0.41	02/12/21 00:00	
Vinyl chloride	ug/L	<0.099	0.33	02/12/21 00:00	
Xylene (Total)	ug/L	<0.29	0.96	02/12/21 00:00	
1,2-Dichloroethane-d4 (S)	%.	92	71-125	02/12/21 00:00	
4-Bromofluorobenzene (S)	%.	102	75-125	02/12/21 00:00	
Toluene-d8 (S)	%.	102	75-125	02/12/21 00:00	

LABORATORY CONTROL SAMPLE: 3864170

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.4	107	67-134	
1,1,1-Trichloroethane	ug/L	20	21.0	105	72-129	
1,1,2,2-Tetrachloroethane	ug/L	20	22.7	114	74-125	
1,1,2-Trichloroethane	ug/L	20	21.2	106	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.8	99	73-130	
1,1-Dichloroethane	ug/L	20	20.0	100	72-128	
1,1-Dichloroethene	ug/L	20	21.1	106	67-130	
1,1-Dichloropropene	ug/L	20	19.8	99	65-131	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

LABORATORY CONTROL SAMPLE: 3864170

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichlorobenzene	ug/L	20	18.9	95	69-130	
1,2,3-Trichloropropane	ug/L	20	22.2	111	75-125	
1,2,4-Trichlorobenzene	ug/L	20	19.4	97	64-132	
1,2,4-Trimethylbenzene	ug/L	20	22.4	112	75-126	
1,2-Dibromo-3-chloropropane	ug/L	50	57.6	115	59-135	
1,2-Dibromoethane (EDB)	ug/L	20	21.0	105	75-125	
1,2-Dichlorobenzene	ug/L	20	22.4	112	74-127	
1,2-Dichloroethane	ug/L	20	19.6	98	74-125	
1,2-Dichloropropane	ug/L	20	21.3	106	75-125	
1,3,5-Trimethylbenzene	ug/L	20	21.8	109	75-125	
1,3-Dichlorobenzene	ug/L	20	21.0	105	74-127	
1,3-Dichloropropane	ug/L	20	21.2	106	75-125	
1,4-Dichlorobenzene	ug/L	20	22.0	110	73-125	
2,2-Dichloropropane	ug/L	20	20.0	100	68-129	
2-Butanone (MEK)	ug/L	100	103	103	66-129	
2-Chlorotoluene	ug/L	20	22.2	111	75-125	
4-Chlorotoluene	ug/L	20	20.8	104	74-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	109	109	74-129	
Acetone	ug/L	100	105	105	50-150	
Allyl chloride	ug/L	20	18.4	92	55-133	
Benzene	ug/L	20	20.7	104	73-125	
Bromobenzene	ug/L	20	22.0	110	72-125	
Bromochloromethane	ug/L	20	21.1	106	75-127	
Bromodichloromethane	ug/L	20	21.6	108	75-125	
Bromoform	ug/L	20	21.2	106	64-134	
Bromomethane	ug/L	20	24.5	122	30-150	v1
Carbon tetrachloride	ug/L	20	21.0	105	63-135	
Chlorobenzene	ug/L	20	20.6	103	75-125	
Chloroethane	ug/L	20	20.7	103	61-142	
Chloroform	ug/L	20	19.5	98	75-125	
Chloromethane	ug/L	20	20.2	101	64-129	
cis-1,2-Dichloroethene	ug/L	20	20.4	102	74-125	
cis-1,3-Dichloropropene	ug/L	20	20.9	104	75-126	
Dibromochloromethane	ug/L	20	23.2	116	71-131	
Dibromomethane	ug/L	20	21.0	105	75-126	
Dichlorodifluoromethane	ug/L	20	18.1	91	60-135	
Dichlorofluoromethane	ug/L	20	20.8	104	72-125	
Diethyl ether (Ethyl ether)	ug/L	20	20.3	102	70-128	
Ethylbenzene	ug/L	20	20.9	105	75-125	
Hexachloro-1,3-butadiene	ug/L	20	23.8	119	63-134	
Isopropylbenzene (Cumene)	ug/L	20	21.1	106	75-125	
m&p-Xylene	ug/L	40	41.3	103	75-125	
Methyl-tert-butyl ether	ug/L	20	21.1	105	75-125	
Methylene Chloride	ug/L	20	20.6	103	69-125	
n-Butylbenzene	ug/L	20	22.0	110	72-128	
n-Propylbenzene	ug/L	20	22.3	112	75-125	
Naphthalene	ug/L	20	19.0	95	69-127	

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REPORT OF LABORATORY ANALYSIS

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(612)607-1700

QUALITY CONTROL DATA

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

LABORATORY CONTROL SAMPLE: 3864170

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
o-Xylene	ug/L	20	21.0	105	75-125	
p-Isopropyltoluene	ug/L	20	22.2	111	75-125	
sec-Butylbenzene	ug/L	20	22.5	113	75-127	
Styrene	ug/L	20	21.1	106	75-127	
tert-Butylbenzene	ug/L	20	22.2	111	75-125	
Tetrachloroethene	ug/L	20	21.6	108	69-131	
Tetrahydrofuran	ug/L	200	208	104	70-135	
Toluene	ug/L	20	20.8	104	75-125	
trans-1,2-Dichloroethene	ug/L	20	20.0	100	69-130	
trans-1,3-Dichloropropene	ug/L	20	21.4	107	74-128	
Trichloroethene	ug/L	20	20.6	103	75-130	
Trichlorofluoromethane	ug/L	20	21.8	109	71-133	
Vinyl chloride	ug/L	20	21.3	106	67-129	
Xylene (Total)	ug/L	60	62.2	104	75-125	
1,2-Dichloroethane-d4 (S)	%.			103	71-125	
4-Bromofluorobenzene (S)	%.			107	75-125	
Toluene-d8 (S)	%.			101	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3867464 3867465

Parameter	Units	10547987001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<0.13	20	20	20.6	21.0	103	105	57-134	2	30	
1,1,1-Trichloroethane	ug/L	<0.17	20	20	21.3	21.3	106	106	62-136	0	30	
1,1,2,2-Tetrachloroethane	ug/L	<0.16	20	20	20.3	21.8	101	109	63-127	7	30	
1,1,2-Trichloroethane	ug/L	<0.19	20	20	19.8	20.1	99	100	65-128	1	30	
1,1,2-Trichlorotrifluoroethane	ug/L	0.48J	20	20	21.8	22.7	107	111	62-145	4	30	
1,1-Dichloroethane	ug/L	<0.17	20	20	19.7	19.9	98	99	63-128	1	30	
1,1-Dichloroethene	ug/L	<0.13	20	20	22.2	22.3	111	112	59-135	1	30	
1,1-Dichloropropene	ug/L	<0.22	20	20	20.5	19.9	102	99	64-135	3	30	
1,2,3-Trichlorobenzene	ug/L	<0.17	20	20	18.2	19.3	91	97	59-133	6	30	
1,2,3-Trichloropropane	ug/L	<0.59	20	20	20.0	21.6	100	108	62-125	8	30	
1,2,4-Trichlorobenzene	ug/L	<0.19	20	20	18.4	19.9	92	100	54-137	8	30	
1,2,4-Trimethylbenzene	ug/L	<0.17	20	20	21.1	23.1	106	116	68-126	9	30	
1,2-Dibromo-3-chloropropane	ug/L	<1.2	50	50	52.3	55.5	105	111	55-135	6	30	
1,2-Dibromoethane (EDB)	ug/L	<0.18	20	20	19.6	19.8	98	99	64-125	1	30	
1,2-Dichlorobenzene	ug/L	<0.14	20	20	20.2	22.3	101	112	65-130	10	30	
1,2-Dichloroethane	ug/L	<0.25	20	20	18.4	18.4	92	92	58-125	0	30	
1,2-Dichloropropane	ug/L	<0.14	20	20	20.0	20.7	100	103	65-125	3	30	
1,3,5-Trimethylbenzene	ug/L	<0.12	20	20	20.5	22.9	103	114	67-125	11	30	
1,3-Dichlorobenzene	ug/L	<0.12	20	20	19.6	21.3	98	107	68-131	8	30	
1,3-Dichloropropane	ug/L	<0.13	20	20	20.3	20.1	101	100	65-125	1	30	
1,4-Dichlorobenzene	ug/L	<0.082	20	20	19.8	21.6	99	108	64-127	9	30	
2,2-Dichloropropane	ug/L	<0.20	20	20	20.1	20.3	101	101	65-131	1	30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3867464 3867465

Parameter	Units	10547987001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	<0.88	100	100	94.1	97.5	94	98	54-129	4	30	
2-Chlorotoluene	ug/L	<0.16	20	20	20.1	22.7	101	113	69-125	12	30	
4-Chlorotoluene	ug/L	<0.050	20	20	19.6	21.3	98	107	61-129	8	30	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.54	100	100	103	106	103	106	61-130	3	30	
Acetone	ug/L	<2.5	100	100	94.0	97.6	94	98	30-150	4	30	
Allyl chloride	ug/L	<0.27	20	20	18.0	18.2	90	91	51-137	1	30	
Benzene	ug/L	<0.12	20	20	19.9	20.1	99	100	60-125	1	30	
Bromobenzene	ug/L	<0.13	20	20	20.2	21.5	101	107	61-125	6	30	
Bromochloromethane	ug/L	<0.36	20	20	19.8	19.1	99	96	62-127	4	30	
Bromodichloromethane	ug/L	<0.11	20	20	19.4	20.7	97	104	63-127	7	30	
Bromoform	ug/L	<0.27	20	20	20.1	20.3	100	102	62-134	1	30	
Bromomethane	ug/L	<0.63	20	20	24.6	25.0	123	125	30-150	2	30	v1
Carbon tetrachloride	ug/L	<0.17	20	20	22.3	22.5	111	113	63-142	1	30	
Chlorobenzene	ug/L	<0.076	20	20	19.9	20.0	99	100	65-128	0	30	
Chloroethane	ug/L	<0.42	20	20	21.9	21.9	109	109	61-142	0	30	
Chloroform	ug/L	<0.48	20	20	18.5	18.5	93	92	63-125	0	30	
Chloromethane	ug/L	<0.15	20	20	21.2	21.2	106	106	56-132	0	30	
cis-1,2-Dichloroethene	ug/L	<0.20	20	20	19.2	19.3	96	96	63-125	1	30	
cis-1,3-Dichloropropene	ug/L	<0.077	20	20	18.2	19.6	91	98	61-126	7	30	
Dibromochloromethane	ug/L	<0.20	20	20	22.0	21.9	110	110	70-131	0	30	
Dibromomethane	ug/L	<0.15	20	20	19.8	20.2	99	101	66-126	2	30	
Dichlorodifluoromethane	ug/L	<0.20	20	20	20.3	20.2	102	101	59-137	0	30	
Dichlorofluoromethane	ug/L	<0.19	20	20	21.8	22.0	109	110	55-144	1	30	
Diethyl ether (Ethyl ether)	ug/L	<0.18	20	20	18.6	19.5	93	98	59-128	5	30	
Ethylbenzene	ug/L	<0.075	20	20	20.7	21.4	104	107	61-125	3	30	
Hexachloro-1,3-butadiene	ug/L	<0.40	20	20	25.7	23.2	128	116	53-143	10	30	
Isopropylbenzene (Cumene)	ug/L	<0.13	20	20	21.1	22.1	106	110	75-128	4	30	
m&p-Xylene	ug/L	<0.29	40	40	39.8	42.2	100	105	62-125	6	30	
Methyl-tert-butyl ether	ug/L	<0.12	20	20	19.3	19.7	96	99	61-125	2	30	
Methylene Chloride	ug/L	<1.1	20	20	19.7	19.3	98	97	58-125	2	30	
n-Butylbenzene	ug/L	<0.16	20	20	22.6	23.2	113	116	67-133	3	30	
n-Propylbenzene	ug/L	<0.18	20	20	21.6	23.9	108	120	67-129	10	30	
Naphthalene	ug/L	<0.68	20	20	17.9	19.2	89	96	54-127	7	30	
o-Xylene	ug/L	<0.15	20	20	20.0	21.1	100	105	60-127	5	30	
p-Isopropyltoluene	ug/L	<0.18	20	20	22.7	23.8	113	119	69-130	5	30	
sec-Butylbenzene	ug/L	<0.15	20	20	22.7	24.2	114	121	69-132	7	30	
Styrene	ug/L	<0.11	20	20	19.9	20.7	99	104	66-132	4	30	
tert-Butylbenzene	ug/L	<0.13	20	20	22.4	23.9	112	119	68-129	6	30	
Tetrachloroethene	ug/L	<0.17	20	20	21.3	22.5	107	113	66-138	5	30	
Tetrahydrofuran	ug/L	<3.4	200	200	193	201	97	101	57-137	4	30	
Toluene	ug/L	<0.12	20	20	21.1	21.4	105	107	61-125	2	30	
trans-1,2-Dichloroethene	ug/L	<0.19	20	20	20.1	19.9	100	100	60-135	1	30	
trans-1,3-Dichloropropene	ug/L	<0.32	20	20	20.2	19.7	101	98	64-128	2	30	
Trichloroethene	ug/L	5.2	20	20	26.0	26.5	104	106	65-137	2	30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3867464 3867465

Parameter	Units	10547987001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Trichlorofluoromethane	ug/L	<0.12	20	20	24.0	23.3	120	117	69-140	3	30	
Vinyl chloride	ug/L	<0.099	20	20	23.1	22.3	115	111	63-132	4	30	
Xylene (Total)	ug/L	<0.29	60	60	59.8	63.3	100	105	63-125	6	30	
1,2-Dichloroethane-d4 (S)	%.						104	97	71-125			
4-Bromofluorobenzene (S)	%.						101	107	75-125			
Toluene-d8 (S)	%.						103	102	75-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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QUALIFIERS

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

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.

ANALYTE QUALIFIERS

1M	This analyte did not meet the secondary source verification criteria for the initial calibration. Analyte recovery exceeded the 130% upper control limit at 156%. Results may be biased high.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v2	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

Pace Analytical Services, LLC
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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: J200827 BLACKHAWK JUNCTION
Pace Project No.: 10546875

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10546875001	**MW-01**	EPA 8260D	724028		
10546875002	**MW-02**	EPA 8260D	724028		
10546875003	**MW-03**	EPA 8260D	724028		
10546875004	**MW-04**	EPA 8260D	724028		
10546875005	**MW-05**	EPA 8260D	724028		
10546875006	**MW-04-D**	EPA 8260D	724028		
10546875007	**TRIP BLANK**	EPA 8260D	724028		
10546875008	**FIELD BLANK**	EPA 8260D	724976		

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Log MTJL

WO# : 10546875

10546875

ALL SHADED ARE

Company: BAYWEST	Billing Information: ACCOUNTSPAYABLE@BAYWEST.COM
Address: 5 EMPIRE DRIVE, ST PAUL	
Report To: RICKV@BAYWEST.COM	Email To:
Copy To:	Site Collection Info/Address: 700 E BLACKHAWK AVE, PDC WI
Customer Project Name/Number: BLACKHAWK JUNCTION / J700827	State: WI County/City: Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: 651-291-0456 Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): ZACH MASON	Purchase Order #: 110833 Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Field Filtered (if applicable): [ ] Yes [X] No Analysis:

Container Preservative Type **: 3

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOC 8260	Lab Sample # / Comments
MW-01	GW	G	2/1/21	1400				3	X	001
MW-02			2/1/21	1525				3	X	002
MW-03			2/2/21	1010				3	X	003
MW-04			2/2/21	1210				3	X	004
MW-05			2/2/21	1430				3	X	005
MW-04-D			2/2/21	1240				3	X	006
TRIP BLANK	—		2/1/21	1200				2	X	007
FIELD BLANK	—		2/2/21	1130				3	X	008

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2606594

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: T5

Cooler 1 Temp Upon Receipt: 2.0 oC

Cooler 1 Therm Corr. Factor: +0.1 oC

Cooler 1 Corrected Temp: 2.1 oC

Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	2/3/21 1740	TJ PACE	2-3-21 1741

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: of:

Pace Analytical®	Document Name: **Sample Condition Upon Receipt (SCUR) - MN**	Document Revised: 12Aug2020 **Page 1 of 1**
	Document No.: **ENV-FRM-MIN4-0150 Rev.01**	Pace Analytical Services - **Minneapolis**

Sample Condition Upon Receipt

Client Name: Bay West

Project #: WO#: 10546875

PM: CL1 Due Date: 02/18/21

CLIENT: BW-BAY WEST

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: _____ See Exceptions ☐ ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☑ No **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other: _____ **Temp Blank?** ☑ Yes ☐ No

Thermometer: ☐ T1(0461) ☐ T2(1336) ☐ T3(0459) ☐ T4(0254) ☑ T5(0489) **Type of Ice:** ☑ Wet ☐ Blue ☐ None ☐ Dry ☐ Melted

Did Samples Originate in West Virginia? ☐ Yes ☒ No **Were All Container Temps Taken?** ☐ Yes ☐ No ☒ N/A CL1 2/4/21

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:** 2.0 °C **Average Corrected Temp (no temp blank only):** _____ °C ☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

Correction Factor: +0.1 **Cooler Temp Corrected w/temp blank:** 2.1 °C

USDA Regulated Soil: (☑ N/A, water sample/Other: _____) **Date/Initials of Person Examining Contents:** TJ 2-3-21

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present and Filled Out?	☑ Yes	☐ No		1.
Chain of Custody Relinquished?	☑ Yes	☐ No		2.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	3.
Samples Arrived within Hold Time?	☑ Yes	☐ No		4.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E coli ☐ BOD/cBOD ☐ Hex Chrome ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other _____
Rush Turn Around Time Requested?	☐ Yes	☑ No		6.
Sufficient Volume?	☑ Yes	☐ No		7.
Correct Containers Used? -Pace Containers Used?	☑ Yes ☑ Yes	☐ No ☐ No		8.
Containers Intact?	☑ Yes	☐ No		9.
Field Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC? Matrix: ☑ Water ☐ Soil ☐ Oil ☐ Other _____	☑ Yes	☐ No		11. **If no, write ID/ Date/Time on Container Below:** **See Exception** ☐ ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	12. Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☐ Yes	☐ No	☑ N/A	☐ NaOH ☐ HNO_3 ☐ H_2SO_4 ☐ Zinc Acetate
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☑ Yes	☐ No	☐ N/A	Positive for Res. Chlorine? ☐ Yes ☐ No **pH Paper Lot#** **See Exception** ☐ ENV-FRM-MIN4-0142
				Res. Chlorine | 0-6 Roll | 0-6 Strip | 0-14 Strip
Extra labels present on soil VOA or WIDRO containers?	☐ Yes	☐ No	☑ N/A	13. **See Exception** ☐ ENV-FRM-MIN4-0140
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☑ No	☐ N/A	
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	14.
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	2 Pace Trip Blank Lot # (if purchased): 287390

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: _____ **Date:** 2/4/21

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled by: MK2 (3)

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

April 21, 2021

Rick VanAllen
Bay West, Inc.
5 Empire Drive
Saint Paul, MN 55103

RE: Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Dear Rick VanAllen:

Enclosed are the analytical results for sample(s) received by the laboratory on April 09, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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

Sincerely,

Sylvia Hunter

Sylvia Hunter
sylvia.hunter@pacelabs.com
1(612)607-1700
Project Manager

Enclosures

cc: Ryan Riley, Bay West LLC
Jeff Smith, Pace Analytical Services, Inc
Gerrit Vanderwaal, Bay West

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Pace Analytical Services Green Bay
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
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10554723001	**MW-1**	Water	04/07/21 18:55	04/09/21 14:05
10554723002	**MW-2**	Water	04/08/21 14:25	04/09/21 14:05
10554723003	**MW-3**	Water	04/08/21 16:40	04/09/21 14:05
10554723004	**MW-4**	Water	04/08/21 18:45	04/09/21 14:05
10554723005	**MW-4-D**	Water	04/08/21 18:50	04/09/21 14:05
10554723006	**MW-5**	Water	04/08/21 11:34	04/09/21 14:05
10554723007	**Trip Blank**	Water	04/05/21 08:30	04/09/21 14:05

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10554723001	**MW-1**	EPA 8260	SMT	70	PASI-G
10554723002	**MW-2**	EPA 8260	SMT	70	PASI-G
10554723003	**MW-3**	EPA 8260	SMT	70	PASI-G
10554723004	**MW-4**	EPA 8260	SMT	70	PASI-G
10554723005	**MW-4-D**	EPA 8260	SMT	70	PASI-G
10554723006	**MW-5**	EPA 8260	SMT	70	PASI-G
10554723007	**Trip Blank**	EPA 8260	SMT	70	PASI-G

PASI-G = Pace Analytical Services - Green Bay

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

PROJECT NARRATIVE

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Method: **EPA 8260**
Description: 8260 MSV
Client: Bay West LLC
Date: April 21, 2021

General Information:
7 samples were analyzed for EPA 8260 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Sample: MW-1 **Lab ID: 10554723001** Collected: 04/07/21 18:55 Received: 04/09/21 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.36	1		04/16/21 21:02	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.30	1		04/16/21 21:02	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.38	1		04/16/21 21:02	79-34-5	
1,1,2-Trichloroethane	**<5.0**	ug/L	5.0	0.34	1		04/16/21 21:02	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<5.0**	ug/L	5.0	0.38	1		04/16/21 21:02	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	0.30	1		04/16/21 21:02	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	0.58	1		04/16/21 21:02	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	0.41	1		04/16/21 21:02	563-58-6	
1,2,3-Trichlorobenzene	**<5.0**	ug/L	5.0	1.0	1		04/16/21 21:02	87-61-6	
1,2,3-Trichloropropane	**<5.0**	ug/L	5.0	0.56	1		04/16/21 21:02	96-18-4	
1,2,4-Trichlorobenzene	**<5.0**	ug/L	5.0	0.95	1		04/16/21 21:02	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	0.45	1		04/16/21 21:02	95-63-6	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/L	5.0	2.4	1		04/16/21 21:02	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	0.31	1		04/16/21 21:02	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.33	1		04/16/21 21:02	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.29	1		04/16/21 21:02	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.45	1		04/16/21 21:02	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	0.36	1		04/16/21 21:02	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.35	1		04/16/21 21:02	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	0.30	1		04/16/21 21:02	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.89	1		04/16/21 21:02	106-46-7	
2,2-Dichloropropane	**<5.0**	ug/L	5.0	4.2	1		04/16/21 21:02	594-20-7	
2-Butanone (MEK)	**<25.0**	ug/L	25.0	6.5	1		04/16/21 21:02	78-93-3	
2-Chlorotoluene	**<5.0**	ug/L	5.0	0.89	1		04/16/21 21:02	95-49-8	
4-Chlorotoluene	**<5.0**	ug/L	5.0	0.89	1		04/16/21 21:02	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<25.0**	ug/L	25.0	6.0	1		04/16/21 21:02	108-10-1	
Acetone	**<25.0**	ug/L	25.0	8.6	1		04/16/21 21:02	67-64-1	
Allyl chloride	**<5.0**	ug/L	5.0	1.3	1		04/16/21 21:02	107-05-1	
Benzene	**<1.0**	ug/L	1.0	0.30	1		04/16/21 21:02	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	0.36	1		04/16/21 21:02	108-86-1	
Bromochloromethane	**<5.0**	ug/L	5.0	0.36	1		04/16/21 21:02	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	0.42	1		04/16/21 21:02	75-27-4	
Bromoform	**<5.0**	ug/L	5.0	3.8	1		04/16/21 21:02	75-25-2	
Bromomethane	**<5.0**	ug/L	5.0	1.2	1		04/16/21 21:02	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.37	1		04/16/21 21:02	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.86	1		04/16/21 21:02	108-90-7	
Chloroethane	**<5.0**	ug/L	5.0	1.4	1		04/16/21 21:02	75-00-3	
Chloroform	**<5.0**	ug/L	5.0	1.2	1		04/16/21 21:02	67-66-3	
Chloromethane	**<5.0**	ug/L	5.0	1.6	1		04/16/21 21:02	74-87-3	
Dibromochloromethane	**<5.0**	ug/L	5.0	2.6	1		04/16/21 21:02	124-48-1	
Dibromomethane	**<5.0**	ug/L	5.0	0.99	1		04/16/21 21:02	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	5.0	0.46	1		04/16/21 21:02	75-71-8	
Dichlorofluoromethane	**<5.0**	ug/L	5.0	1.2	1		04/16/21 21:02	75-43-4	
Diethyl ether (Ethyl ether)	**<5.0**	ug/L	5.0	1.1	1		04/16/21 21:02	60-29-7	
Ethylbenzene	**<1.0**	ug/L	1.0	0.33	1		04/16/21 21:02	100-41-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
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ANALYTICAL RESULTS

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Sample: MW-1 **Lab ID: 10554723001** Collected: 04/07/21 18:55 Received: 04/09/21 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Hexachloro-1,3-butadiene	**<5.0**	ug/L	5.0	2.7	1		04/16/21 21:02	87-68-3	
Isopropylbenzene (Cumene)	**<5.0**	ug/L	5.0	1.0	1		04/16/21 21:02	98-82-8	
Methyl-tert-butyl ether	**<5.0**	ug/L	5.0	1.1	1		04/16/21 21:02	1634-04-4	
Methylene Chloride	**<5.0**	ug/L	5.0	0.32	1		04/16/21 21:02	75-09-2	
Naphthalene	**<5.0**	ug/L	5.0	1.1	1		04/16/21 21:02	91-20-3	
Styrene	**<1.0**	ug/L	1.0	0.36	1		04/16/21 21:02	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	0.41	1		04/16/21 21:02	127-18-4	
Tetrahydrofuran	**<25.0**	ug/L	25.0	2.4	1		04/16/21 21:02	109-99-9	
Toluene	**<1.0**	ug/L	1.0	0.29	1		04/16/21 21:02	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	0.32	1		04/16/21 21:02	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.42	1		04/16/21 21:02	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	0.17	1		04/16/21 21:02	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1.0	1		04/16/21 21:02	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.47	1		04/16/21 21:02	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.36	1		04/16/21 21:02	10061-01-5	
n-Butylbenzene	**<1.0**	ug/L	1.0	0.86	1		04/16/21 21:02	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	0.35	1		04/16/21 21:02	103-65-1	
p-Isopropyltoluene	**<5.0**	ug/L	5.0	1.0	1		04/16/21 21:02	99-87-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	0.42	1		04/16/21 21:02	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	0.59	1		04/16/21 21:02	98-06-6	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.53	1		04/16/21 21:02	156-60-5	
trans-1,3-Dichloropropene	**<5.0**	ug/L	5.0	3.5	1		04/16/21 21:02	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/16/21 21:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		04/16/21 21:02	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/16/21 21:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Sample: MW-2 **Lab ID: 10554723002** Collected: 04/08/21 14:25 Received: 04/09/21 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.36	1		04/16/21 21:28	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.30	1		04/16/21 21:28	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.38	1		04/16/21 21:28	79-34-5	
1,1,2-Trichloroethane	**<5.0**	ug/L	5.0	0.34	1		04/16/21 21:28	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<5.0**	ug/L	5.0	0.38	1		04/16/21 21:28	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	0.30	1		04/16/21 21:28	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	0.58	1		04/16/21 21:28	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	0.41	1		04/16/21 21:28	563-58-6	
1,2,3-Trichlorobenzene	**<5.0**	ug/L	5.0	1.0	1		04/16/21 21:28	87-61-6	
1,2,3-Trichloropropane	**<5.0**	ug/L	5.0	0.56	1		04/16/21 21:28	96-18-4	
1,2,4-Trichlorobenzene	**<5.0**	ug/L	5.0	0.95	1		04/16/21 21:28	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	0.45	1		04/16/21 21:28	95-63-6	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/L	5.0	2.4	1		04/16/21 21:28	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	0.31	1		04/16/21 21:28	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.33	1		04/16/21 21:28	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.29	1		04/16/21 21:28	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.45	1		04/16/21 21:28	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	0.36	1		04/16/21 21:28	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.35	1		04/16/21 21:28	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	0.30	1		04/16/21 21:28	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.89	1		04/16/21 21:28	106-46-7	
2,2-Dichloropropane	**<5.0**	ug/L	5.0	4.2	1		04/16/21 21:28	594-20-7	
2-Butanone (MEK)	**<25.0**	ug/L	25.0	6.5	1		04/16/21 21:28	78-93-3	
2-Chlorotoluene	**<5.0**	ug/L	5.0	0.89	1		04/16/21 21:28	95-49-8	
4-Chlorotoluene	**<5.0**	ug/L	5.0	0.89	1		04/16/21 21:28	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<25.0**	ug/L	25.0	6.0	1		04/16/21 21:28	108-10-1	
Acetone	**<25.0**	ug/L	25.0	8.6	1		04/16/21 21:28	67-64-1	
Allyl chloride	**<5.0**	ug/L	5.0	1.3	1		04/16/21 21:28	107-05-1	
Benzene	**<1.0**	ug/L	1.0	0.30	1		04/16/21 21:28	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	0.36	1		04/16/21 21:28	108-86-1	
Bromochloromethane	**<5.0**	ug/L	5.0	0.36	1		04/16/21 21:28	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	0.42	1		04/16/21 21:28	75-27-4	
Bromoform	**<5.0**	ug/L	5.0	3.8	1		04/16/21 21:28	75-25-2	
Bromomethane	**<5.0**	ug/L	5.0	1.2	1		04/16/21 21:28	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.37	1		04/16/21 21:28	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.86	1		04/16/21 21:28	108-90-7	
Chloroethane	**<5.0**	ug/L	5.0	1.4	1		04/16/21 21:28	75-00-3	
Chloroform	**<5.0**	ug/L	5.0	1.2	1		04/16/21 21:28	67-66-3	
Chloromethane	**<5.0**	ug/L	5.0	1.6	1		04/16/21 21:28	74-87-3	
Dibromochloromethane	**<5.0**	ug/L	5.0	2.6	1		04/16/21 21:28	124-48-1	
Dibromomethane	**<5.0**	ug/L	5.0	0.99	1		04/16/21 21:28	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	5.0	0.46	1		04/16/21 21:28	75-71-8	
Dichlorofluoromethane	**<5.0**	ug/L	5.0	1.2	1		04/16/21 21:28	75-43-4	
Diethyl ether (Ethyl ether)	**<5.0**	ug/L	5.0	1.1	1		04/16/21 21:28	60-29-7	
Ethylbenzene	**<1.0**	ug/L	1.0	0.33	1		04/16/21 21:28	100-41-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Sample: MW-2 **Lab ID: 10554723002** Collected: 04/08/21 14:25 Received: 04/09/21 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Hexachloro-1,3-butadiene	**<5.0**	ug/L	5.0	2.7	1		04/16/21 21:28	87-68-3	
Isopropylbenzene (Cumene)	**<5.0**	ug/L	5.0	1.0	1		04/16/21 21:28	98-82-8	
Methyl-tert-butyl ether	**<5.0**	ug/L	5.0	1.1	1		04/16/21 21:28	1634-04-4	
Methylene Chloride	**<5.0**	ug/L	5.0	0.32	1		04/16/21 21:28	75-09-2	
Naphthalene	**<5.0**	ug/L	5.0	1.1	1		04/16/21 21:28	91-20-3	
Styrene	**<1.0**	ug/L	1.0	0.36	1		04/16/21 21:28	100-42-5	
Tetrachloroethene	**8.7**	ug/L	1.0	0.41	1		04/16/21 21:28	127-18-4	
Tetrahydrofuran	**<25.0**	ug/L	25.0	2.4	1		04/16/21 21:28	109-99-9	
Toluene	**<1.0**	ug/L	1.0	0.29	1		04/16/21 21:28	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	0.32	1		04/16/21 21:28	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.42	1		04/16/21 21:28	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	0.17	1		04/16/21 21:28	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1.0	1		04/16/21 21:28	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.47	1		04/16/21 21:28	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.36	1		04/16/21 21:28	10061-01-5	
n-Butylbenzene	**<1.0**	ug/L	1.0	0.86	1		04/16/21 21:28	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	0.35	1		04/16/21 21:28	103-65-1	
p-Isopropyltoluene	**<5.0**	ug/L	5.0	1.0	1		04/16/21 21:28	99-87-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	0.42	1		04/16/21 21:28	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	0.59	1		04/16/21 21:28	98-06-6	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.53	1		04/16/21 21:28	156-60-5	
trans-1,3-Dichloropropene	**<5.0**	ug/L	5.0	3.5	1		04/16/21 21:28	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		04/16/21 21:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	94	%	70-130		1		04/16/21 21:28	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/16/21 21:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Sample: MW-3 **Lab ID: 10554723003** Collected: 04/08/21 16:40 Received: 04/09/21 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.36	1		04/16/21 21:55	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.30	1		04/16/21 21:55	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.38	1		04/16/21 21:55	79-34-5	
1,1,2-Trichloroethane	**<5.0**	ug/L	5.0	0.34	1		04/16/21 21:55	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<5.0**	ug/L	5.0	0.38	1		04/16/21 21:55	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	0.30	1		04/16/21 21:55	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	0.58	1		04/16/21 21:55	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	0.41	1		04/16/21 21:55	563-58-6	
1,2,3-Trichlorobenzene	**<5.0**	ug/L	5.0	1.0	1		04/16/21 21:55	87-61-6	
1,2,3-Trichloropropane	**<5.0**	ug/L	5.0	0.56	1		04/16/21 21:55	96-18-4	
1,2,4-Trichlorobenzene	**<5.0**	ug/L	5.0	0.95	1		04/16/21 21:55	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	0.45	1		04/16/21 21:55	95-63-6	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/L	5.0	2.4	1		04/16/21 21:55	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	0.31	1		04/16/21 21:55	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.33	1		04/16/21 21:55	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.29	1		04/16/21 21:55	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.45	1		04/16/21 21:55	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	0.36	1		04/16/21 21:55	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.35	1		04/16/21 21:55	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	0.30	1		04/16/21 21:55	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.89	1		04/16/21 21:55	106-46-7	
2,2-Dichloropropane	**<5.0**	ug/L	5.0	4.2	1		04/16/21 21:55	594-20-7	
2-Butanone (MEK)	**<25.0**	ug/L	25.0	6.5	1		04/16/21 21:55	78-93-3	
2-Chlorotoluene	**<5.0**	ug/L	5.0	0.89	1		04/16/21 21:55	95-49-8	
4-Chlorotoluene	**<5.0**	ug/L	5.0	0.89	1		04/16/21 21:55	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<25.0**	ug/L	25.0	6.0	1		04/16/21 21:55	108-10-1	
Acetone	**<25.0**	ug/L	25.0	8.6	1		04/16/21 21:55	67-64-1	
Allyl chloride	**<5.0**	ug/L	5.0	1.3	1		04/16/21 21:55	107-05-1	
Benzene	**<1.0**	ug/L	1.0	0.30	1		04/16/21 21:55	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	0.36	1		04/16/21 21:55	108-86-1	
Bromochloromethane	**<5.0**	ug/L	5.0	0.36	1		04/16/21 21:55	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	0.42	1		04/16/21 21:55	75-27-4	
Bromoform	**<5.0**	ug/L	5.0	3.8	1		04/16/21 21:55	75-25-2	
Bromomethane	**<5.0**	ug/L	5.0	1.2	1		04/16/21 21:55	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.37	1		04/16/21 21:55	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.86	1		04/16/21 21:55	108-90-7	
Chloroethane	**<5.0**	ug/L	5.0	1.4	1		04/16/21 21:55	75-00-3	
Chloroform	**<5.0**	ug/L	5.0	1.2	1		04/16/21 21:55	67-66-3	
Chloromethane	**<5.0**	ug/L	5.0	1.6	1		04/16/21 21:55	74-87-3	
Dibromochloromethane	**<5.0**	ug/L	5.0	2.6	1		04/16/21 21:55	124-48-1	
Dibromomethane	**<5.0**	ug/L	5.0	0.99	1		04/16/21 21:55	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	5.0	0.46	1		04/16/21 21:55	75-71-8	
Dichlorofluoromethane	**<5.0**	ug/L	5.0	1.2	1		04/16/21 21:55	75-43-4	
Diethyl ether (Ethyl ether)	**<5.0**	ug/L	5.0	1.1	1		04/16/21 21:55	60-29-7	
Ethylbenzene	**<1.0**	ug/L	1.0	0.33	1		04/16/21 21:55	100-41-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Sample: MW-3 **Lab ID: 10554723003** Collected: 04/08/21 16:40 Received: 04/09/21 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Hexachloro-1,3-butadiene	**<5.0**	ug/L	5.0	2.7	1		04/16/21 21:55	87-68-3	
Isopropylbenzene (Cumene)	**<5.0**	ug/L	5.0	1.0	1		04/16/21 21:55	98-82-8	
Methyl-tert-butyl ether	**<5.0**	ug/L	5.0	1.1	1		04/16/21 21:55	1634-04-4	
Methylene Chloride	**<5.0**	ug/L	5.0	0.32	1		04/16/21 21:55	75-09-2	
Naphthalene	**<5.0**	ug/L	5.0	1.1	1		04/16/21 21:55	91-20-3	
Styrene	**<1.0**	ug/L	1.0	0.36	1		04/16/21 21:55	100-42-5	
Tetrachloroethene	**5.2**	ug/L	1.0	0.41	1		04/16/21 21:55	127-18-4	
Tetrahydrofuran	**<25.0**	ug/L	25.0	2.4	1		04/16/21 21:55	109-99-9	
Toluene	**<1.0**	ug/L	1.0	0.29	1		04/16/21 21:55	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	0.32	1		04/16/21 21:55	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.42	1		04/16/21 21:55	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	0.17	1		04/16/21 21:55	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1.0	1		04/16/21 21:55	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.47	1		04/16/21 21:55	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.36	1		04/16/21 21:55	10061-01-5	
n-Butylbenzene	**<1.0**	ug/L	1.0	0.86	1		04/16/21 21:55	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	0.35	1		04/16/21 21:55	103-65-1	
p-Isopropyltoluene	**<5.0**	ug/L	5.0	1.0	1		04/16/21 21:55	99-87-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	0.42	1		04/16/21 21:55	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	0.59	1		04/16/21 21:55	98-06-6	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.53	1		04/16/21 21:55	156-60-5	
trans-1,3-Dichloropropene	**<5.0**	ug/L	5.0	3.5	1		04/16/21 21:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/16/21 21:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/16/21 21:55	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		04/16/21 21:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Sample: MW-4 **Lab ID: 10554723004** Collected: 04/08/21 18:45 Received: 04/09/21 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.36	1		04/19/21 11:15	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.30	1		04/19/21 11:15	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.38	1		04/19/21 11:15	79-34-5	
1,1,2-Trichloroethane	**<5.0**	ug/L	5.0	0.34	1		04/19/21 11:15	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<5.0**	ug/L	5.0	0.38	1		04/19/21 11:15	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	0.30	1		04/19/21 11:15	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	0.58	1		04/19/21 11:15	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	0.41	1		04/19/21 11:15	563-58-6	
1,2,3-Trichlorobenzene	**<5.0**	ug/L	5.0	1.0	1		04/19/21 11:15	87-61-6	
1,2,3-Trichloropropane	**<5.0**	ug/L	5.0	0.56	1		04/19/21 11:15	96-18-4	
1,2,4-Trichlorobenzene	**<5.0**	ug/L	5.0	0.95	1		04/19/21 11:15	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	0.45	1		04/19/21 11:15	95-63-6	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/L	5.0	2.4	1		04/19/21 11:15	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	0.31	1		04/19/21 11:15	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.33	1		04/19/21 11:15	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.29	1		04/19/21 11:15	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.45	1		04/19/21 11:15	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	0.36	1		04/19/21 11:15	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.35	1		04/19/21 11:15	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	0.30	1		04/19/21 11:15	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.89	1		04/19/21 11:15	106-46-7	
2,2-Dichloropropane	**<5.0**	ug/L	5.0	4.2	1		04/19/21 11:15	594-20-7	
2-Butanone (MEK)	**<25.0**	ug/L	25.0	6.5	1		04/19/21 11:15	78-93-3	
2-Chlorotoluene	**<5.0**	ug/L	5.0	0.89	1		04/19/21 11:15	95-49-8	
4-Chlorotoluene	**<5.0**	ug/L	5.0	0.89	1		04/19/21 11:15	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<25.0**	ug/L	25.0	6.0	1		04/19/21 11:15	108-10-1	
Acetone	**<25.0**	ug/L	25.0	8.6	1		04/19/21 11:15	67-64-1	
Allyl chloride	**<5.0**	ug/L	5.0	1.3	1		04/19/21 11:15	107-05-1	
Benzene	**<1.0**	ug/L	1.0	0.30	1		04/19/21 11:15	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	0.36	1		04/19/21 11:15	108-86-1	
Bromochloromethane	**<5.0**	ug/L	5.0	0.36	1		04/19/21 11:15	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	0.42	1		04/19/21 11:15	75-27-4	
Bromoform	**<5.0**	ug/L	5.0	3.8	1		04/19/21 11:15	75-25-2	
Bromomethane	**<5.0**	ug/L	5.0	1.2	1		04/19/21 11:15	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.37	1		04/19/21 11:15	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.86	1		04/19/21 11:15	108-90-7	
Chloroethane	**<5.0**	ug/L	5.0	1.4	1		04/19/21 11:15	75-00-3	
Chloroform	**<5.0**	ug/L	5.0	1.2	1		04/19/21 11:15	67-66-3	
Chloromethane	**<5.0**	ug/L	5.0	1.6	1		04/19/21 11:15	74-87-3	
Dibromochloromethane	**<5.0**	ug/L	5.0	2.6	1		04/19/21 11:15	124-48-1	
Dibromomethane	**<5.0**	ug/L	5.0	0.99	1		04/19/21 11:15	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	5.0	0.46	1		04/19/21 11:15	75-71-8	
Dichlorofluoromethane	**<5.0**	ug/L	5.0	1.2	1		04/19/21 11:15	75-43-4	
Diethyl ether (Ethyl ether)	**<5.0**	ug/L	5.0	1.1	1		04/19/21 11:15	60-29-7	
Ethylbenzene	**<1.0**	ug/L	1.0	0.33	1		04/19/21 11:15	100-41-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Sample: MW-4 **Lab ID: 10554723004** Collected: 04/08/21 18:45 Received: 04/09/21 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Hexachloro-1,3-butadiene	**<5.0**	ug/L	5.0	2.7	1		04/19/21 11:15	87-68-3	
Isopropylbenzene (Cumene)	**<5.0**	ug/L	5.0	1.0	1		04/19/21 11:15	98-82-8	
Methyl-tert-butyl ether	**<5.0**	ug/L	5.0	1.1	1		04/19/21 11:15	1634-04-4	
Methylene Chloride	**<5.0**	ug/L	5.0	0.32	1		04/19/21 11:15	75-09-2	
Naphthalene	**<5.0**	ug/L	5.0	1.1	1		04/19/21 11:15	91-20-3	
Styrene	**<1.0**	ug/L	1.0	0.36	1		04/19/21 11:15	100-42-5	
Tetrachloroethene	**8.3**	ug/L	1.0	0.41	1		04/19/21 11:15	127-18-4	
Tetrahydrofuran	**<25.0**	ug/L	25.0	2.4	1		04/19/21 11:15	109-99-9	
Toluene	**<1.0**	ug/L	1.0	0.29	1		04/19/21 11:15	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	0.32	1		04/19/21 11:15	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.42	1		04/19/21 11:15	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	0.17	1		04/19/21 11:15	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1.0	1		04/19/21 11:15	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.47	1		04/19/21 11:15	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.36	1		04/19/21 11:15	10061-01-5	
n-Butylbenzene	**<1.0**	ug/L	1.0	0.86	1		04/19/21 11:15	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	0.35	1		04/19/21 11:15	103-65-1	
p-Isopropyltoluene	**<5.0**	ug/L	5.0	1.0	1		04/19/21 11:15	99-87-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	0.42	1		04/19/21 11:15	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	0.59	1		04/19/21 11:15	98-06-6	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.53	1		04/19/21 11:15	156-60-5	
trans-1,3-Dichloropropene	**<5.0**	ug/L	5.0	3.5	1		04/19/21 11:15	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/19/21 11:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/19/21 11:15	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		04/19/21 11:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Sample: MW-4-D **Lab ID: 10554723005** Collected: 04/08/21 18:50 Received: 04/09/21 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.36	1		04/19/21 11:41	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.30	1		04/19/21 11:41	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.38	1		04/19/21 11:41	79-34-5	
1,1,2-Trichloroethane	**<5.0**	ug/L	5.0	0.34	1		04/19/21 11:41	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<5.0**	ug/L	5.0	0.38	1		04/19/21 11:41	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	0.30	1		04/19/21 11:41	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	0.58	1		04/19/21 11:41	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	0.41	1		04/19/21 11:41	563-58-6	
1,2,3-Trichlorobenzene	**<5.0**	ug/L	5.0	1.0	1		04/19/21 11:41	87-61-6	
1,2,3-Trichloropropane	**<5.0**	ug/L	5.0	0.56	1		04/19/21 11:41	96-18-4	
1,2,4-Trichlorobenzene	**<5.0**	ug/L	5.0	0.95	1		04/19/21 11:41	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	0.45	1		04/19/21 11:41	95-63-6	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/L	5.0	2.4	1		04/19/21 11:41	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	0.31	1		04/19/21 11:41	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.33	1		04/19/21 11:41	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.29	1		04/19/21 11:41	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.45	1		04/19/21 11:41	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	0.36	1		04/19/21 11:41	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.35	1		04/19/21 11:41	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	0.30	1		04/19/21 11:41	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.89	1		04/19/21 11:41	106-46-7	
2,2-Dichloropropane	**<5.0**	ug/L	5.0	4.2	1		04/19/21 11:41	594-20-7	
2-Butanone (MEK)	**<25.0**	ug/L	25.0	6.5	1		04/19/21 11:41	78-93-3	
2-Chlorotoluene	**<5.0**	ug/L	5.0	0.89	1		04/19/21 11:41	95-49-8	
4-Chlorotoluene	**<5.0**	ug/L	5.0	0.89	1		04/19/21 11:41	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<25.0**	ug/L	25.0	6.0	1		04/19/21 11:41	108-10-1	
Acetone	**<25.0**	ug/L	25.0	8.6	1		04/19/21 11:41	67-64-1	
Allyl chloride	**<5.0**	ug/L	5.0	1.3	1		04/19/21 11:41	107-05-1	
Benzene	**<1.0**	ug/L	1.0	0.30	1		04/19/21 11:41	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	0.36	1		04/19/21 11:41	108-86-1	
Bromochloromethane	**<5.0**	ug/L	5.0	0.36	1		04/19/21 11:41	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	0.42	1		04/19/21 11:41	75-27-4	
Bromoform	**<5.0**	ug/L	5.0	3.8	1		04/19/21 11:41	75-25-2	
Bromomethane	**<5.0**	ug/L	5.0	1.2	1		04/19/21 11:41	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.37	1		04/19/21 11:41	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.86	1		04/19/21 11:41	108-90-7	
Chloroethane	**<5.0**	ug/L	5.0	1.4	1		04/19/21 11:41	75-00-3	
Chloroform	**<5.0**	ug/L	5.0	1.2	1		04/19/21 11:41	67-66-3	
Chloromethane	**<5.0**	ug/L	5.0	1.6	1		04/19/21 11:41	74-87-3	
Dibromochloromethane	**<5.0**	ug/L	5.0	2.6	1		04/19/21 11:41	124-48-1	
Dibromomethane	**<5.0**	ug/L	5.0	0.99	1		04/19/21 11:41	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	5.0	0.46	1		04/19/21 11:41	75-71-8	
Dichlorofluoromethane	**<5.0**	ug/L	5.0	1.2	1		04/19/21 11:41	75-43-4	
Diethyl ether (Ethyl ether)	**<5.0**	ug/L	5.0	1.1	1		04/19/21 11:41	60-29-7	
Ethylbenzene	**<1.0**	ug/L	1.0	0.33	1		04/19/21 11:41	100-41-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Sample: MW-4-D **Lab ID: 10554723005** Collected: 04/08/21 18:50 Received: 04/09/21 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Hexachloro-1,3-butadiene	**<5.0**	ug/L	5.0	2.7	1		04/19/21 11:41	87-68-3	
Isopropylbenzene (Cumene)	**<5.0**	ug/L	5.0	1.0	1		04/19/21 11:41	98-82-8	
Methyl-tert-butyl ether	**<5.0**	ug/L	5.0	1.1	1		04/19/21 11:41	1634-04-4	
Methylene Chloride	**<5.0**	ug/L	5.0	0.32	1		04/19/21 11:41	75-09-2	
Naphthalene	**<5.0**	ug/L	5.0	1.1	1		04/19/21 11:41	91-20-3	
Styrene	**<1.0**	ug/L	1.0	0.36	1		04/19/21 11:41	100-42-5	
Tetrachloroethene	**8.3**	ug/L	1.0	0.41	1		04/19/21 11:41	127-18-4	
Tetrahydrofuran	**<25.0**	ug/L	25.0	2.4	1		04/19/21 11:41	109-99-9	
Toluene	**<1.0**	ug/L	1.0	0.29	1		04/19/21 11:41	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	0.32	1		04/19/21 11:41	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.42	1		04/19/21 11:41	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	0.17	1		04/19/21 11:41	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1.0	1		04/19/21 11:41	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.47	1		04/19/21 11:41	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.36	1		04/19/21 11:41	10061-01-5	
n-Butylbenzene	**<1.0**	ug/L	1.0	0.86	1		04/19/21 11:41	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	0.35	1		04/19/21 11:41	103-65-1	
p-Isopropyltoluene	**<5.0**	ug/L	5.0	1.0	1		04/19/21 11:41	99-87-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	0.42	1		04/19/21 11:41	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	0.59	1		04/19/21 11:41	98-06-6	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.53	1		04/19/21 11:41	156-60-5	
trans-1,3-Dichloropropene	**<5.0**	ug/L	5.0	3.5	1		04/19/21 11:41	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/19/21 11:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/19/21 11:41	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/19/21 11:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Sample: MW-5 **Lab ID: 10554723006** Collected: 04/08/21 11:34 Received: 04/09/21 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.36	1		04/16/21 22:21	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.30	1		04/16/21 22:21	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.38	1		04/16/21 22:21	79-34-5	
1,1,2-Trichloroethane	**<5.0**	ug/L	5.0	0.34	1		04/16/21 22:21	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<5.0**	ug/L	5.0	0.38	1		04/16/21 22:21	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	0.30	1		04/16/21 22:21	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	0.58	1		04/16/21 22:21	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	0.41	1		04/16/21 22:21	563-58-6	
1,2,3-Trichlorobenzene	**<5.0**	ug/L	5.0	1.0	1		04/16/21 22:21	87-61-6	
1,2,3-Trichloropropane	**<5.0**	ug/L	5.0	0.56	1		04/16/21 22:21	96-18-4	
1,2,4-Trichlorobenzene	**<5.0**	ug/L	5.0	0.95	1		04/16/21 22:21	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	0.45	1		04/16/21 22:21	95-63-6	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/L	5.0	2.4	1		04/16/21 22:21	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	0.31	1		04/16/21 22:21	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.33	1		04/16/21 22:21	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.29	1		04/16/21 22:21	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.45	1		04/16/21 22:21	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	0.36	1		04/16/21 22:21	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.35	1		04/16/21 22:21	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	0.30	1		04/16/21 22:21	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.89	1		04/16/21 22:21	106-46-7	
2,2-Dichloropropane	**<5.0**	ug/L	5.0	4.2	1		04/16/21 22:21	594-20-7	
2-Butanone (MEK)	**<25.0**	ug/L	25.0	6.5	1		04/16/21 22:21	78-93-3	
2-Chlorotoluene	**<5.0**	ug/L	5.0	0.89	1		04/16/21 22:21	95-49-8	
4-Chlorotoluene	**<5.0**	ug/L	5.0	0.89	1		04/16/21 22:21	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<25.0**	ug/L	25.0	6.0	1		04/16/21 22:21	108-10-1	
Acetone	**<25.0**	ug/L	25.0	8.6	1		04/16/21 22:21	67-64-1	
Allyl chloride	**<5.0**	ug/L	5.0	1.3	1		04/16/21 22:21	107-05-1	
Benzene	**<1.0**	ug/L	1.0	0.30	1		04/16/21 22:21	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	0.36	1		04/16/21 22:21	108-86-1	
Bromochloromethane	**<5.0**	ug/L	5.0	0.36	1		04/16/21 22:21	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	0.42	1		04/16/21 22:21	75-27-4	
Bromoform	**<5.0**	ug/L	5.0	3.8	1		04/16/21 22:21	75-25-2	
Bromomethane	**<5.0**	ug/L	5.0	1.2	1		04/16/21 22:21	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.37	1		04/16/21 22:21	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.86	1		04/16/21 22:21	108-90-7	
Chloroethane	**<5.0**	ug/L	5.0	1.4	1		04/16/21 22:21	75-00-3	
Chloroform	**<5.0**	ug/L	5.0	1.2	1		04/16/21 22:21	67-66-3	
Chloromethane	**<5.0**	ug/L	5.0	1.6	1		04/16/21 22:21	74-87-3	
Dibromochloromethane	**<5.0**	ug/L	5.0	2.6	1		04/16/21 22:21	124-48-1	
Dibromomethane	**<5.0**	ug/L	5.0	0.99	1		04/16/21 22:21	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	5.0	0.46	1		04/16/21 22:21	75-71-8	
Dichlorofluoromethane	**<5.0**	ug/L	5.0	1.2	1		04/16/21 22:21	75-43-4	
Diethyl ether (Ethyl ether)	**<5.0**	ug/L	5.0	1.1	1		04/16/21 22:21	60-29-7	
Ethylbenzene	**<1.0**	ug/L	1.0	0.33	1		04/16/21 22:21	100-41-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Sample: MW-5 **Lab ID: 10554723006** Collected: 04/08/21 11:34 Received: 04/09/21 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Hexachloro-1,3-butadiene	**<5.0**	ug/L	5.0	2.7	1		04/16/21 22:21	87-68-3	
Isopropylbenzene (Cumene)	**<5.0**	ug/L	5.0	1.0	1		04/16/21 22:21	98-82-8	
Methyl-tert-butyl ether	**<5.0**	ug/L	5.0	1.1	1		04/16/21 22:21	1634-04-4	
Methylene Chloride	**0.34J**	ug/L	5.0	0.32	1		04/16/21 22:21	75-09-2	
Naphthalene	**<5.0**	ug/L	5.0	1.1	1		04/16/21 22:21	91-20-3	
Styrene	**<1.0**	ug/L	1.0	0.36	1		04/16/21 22:21	100-42-5	
Tetrachloroethene	**0.96J**	ug/L	1.0	0.41	1		04/16/21 22:21	127-18-4	
Tetrahydrofuran	**<25.0**	ug/L	25.0	2.4	1		04/16/21 22:21	109-99-9	
Toluene	**<1.0**	ug/L	1.0	0.29	1		04/16/21 22:21	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	0.32	1		04/16/21 22:21	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.42	1		04/16/21 22:21	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	0.17	1		04/16/21 22:21	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1.0	1		04/16/21 22:21	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.47	1		04/16/21 22:21	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.36	1		04/16/21 22:21	10061-01-5	
n-Butylbenzene	**<1.0**	ug/L	1.0	0.86	1		04/16/21 22:21	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	0.35	1		04/16/21 22:21	103-65-1	
p-Isopropyltoluene	**<5.0**	ug/L	5.0	1.0	1		04/16/21 22:21	99-87-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	0.42	1		04/16/21 22:21	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	0.59	1		04/16/21 22:21	98-06-6	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.53	1		04/16/21 22:21	156-60-5	
trans-1,3-Dichloropropene	**<5.0**	ug/L	5.0	3.5	1		04/16/21 22:21	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/16/21 22:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/16/21 22:21	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		04/16/21 22:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Sample: Trip Blank **Lab ID: 10554723007** Collected: 04/05/21 08:30 Received: 04/09/21 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.36	1		04/19/21 10:22	630-20-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	0.30	1		04/19/21 10:22	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	0.38	1		04/19/21 10:22	79-34-5	
1,1,2-Trichloroethane	**<5.0**	ug/L	5.0	0.34	1		04/19/21 10:22	79-00-5	
1,1,2-Trichlorotrifluoroethane	**<5.0**	ug/L	5.0	0.38	1		04/19/21 10:22	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	0.30	1		04/19/21 10:22	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	0.58	1		04/19/21 10:22	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	0.41	1		04/19/21 10:22	563-58-6	
1,2,3-Trichlorobenzene	**<5.0**	ug/L	5.0	1.0	1		04/19/21 10:22	87-61-6	
1,2,3-Trichloropropane	**<5.0**	ug/L	5.0	0.56	1		04/19/21 10:22	96-18-4	
1,2,4-Trichlorobenzene	**<5.0**	ug/L	5.0	0.95	1		04/19/21 10:22	120-82-1	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	0.45	1		04/19/21 10:22	95-63-6	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/L	5.0	2.4	1		04/19/21 10:22	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	0.31	1		04/19/21 10:22	106-93-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	0.33	1		04/19/21 10:22	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	0.29	1		04/19/21 10:22	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	0.45	1		04/19/21 10:22	78-87-5	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	0.36	1		04/19/21 10:22	108-67-8	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	0.35	1		04/19/21 10:22	541-73-1	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	0.30	1		04/19/21 10:22	142-28-9	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	0.89	1		04/19/21 10:22	106-46-7	
2,2-Dichloropropane	**<5.0**	ug/L	5.0	4.2	1		04/19/21 10:22	594-20-7	
2-Butanone (MEK)	**<25.0**	ug/L	25.0	6.5	1		04/19/21 10:22	78-93-3	
2-Chlorotoluene	**<5.0**	ug/L	5.0	0.89	1		04/19/21 10:22	95-49-8	
4-Chlorotoluene	**<5.0**	ug/L	5.0	0.89	1		04/19/21 10:22	106-43-4	
4-Methyl-2-pentanone (MIBK)	**<25.0**	ug/L	25.0	6.0	1		04/19/21 10:22	108-10-1	
Acetone	**<25.0**	ug/L	25.0	8.6	1		04/19/21 10:22	67-64-1	
Allyl chloride	**<5.0**	ug/L	5.0	1.3	1		04/19/21 10:22	107-05-1	
Benzene	**<1.0**	ug/L	1.0	0.30	1		04/19/21 10:22	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	0.36	1		04/19/21 10:22	108-86-1	
Bromochloromethane	**<5.0**	ug/L	5.0	0.36	1		04/19/21 10:22	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	0.42	1		04/19/21 10:22	75-27-4	
Bromoform	**<5.0**	ug/L	5.0	3.8	1		04/19/21 10:22	75-25-2	
Bromomethane	**<5.0**	ug/L	5.0	1.2	1		04/19/21 10:22	74-83-9	
Carbon tetrachloride	**<1.0**	ug/L	1.0	0.37	1		04/19/21 10:22	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	0.86	1		04/19/21 10:22	108-90-7	
Chloroethane	**<5.0**	ug/L	5.0	1.4	1		04/19/21 10:22	75-00-3	
Chloroform	**<5.0**	ug/L	5.0	1.2	1		04/19/21 10:22	67-66-3	
Chloromethane	**<5.0**	ug/L	5.0	1.6	1		04/19/21 10:22	74-87-3	
Dibromochloromethane	**<5.0**	ug/L	5.0	2.6	1		04/19/21 10:22	124-48-1	
Dibromomethane	**<5.0**	ug/L	5.0	0.99	1		04/19/21 10:22	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	5.0	0.46	1		04/19/21 10:22	75-71-8	
Dichlorofluoromethane	**<5.0**	ug/L	5.0	1.2	1		04/19/21 10:22	75-43-4	
Diethyl ether (Ethyl ether)	**<5.0**	ug/L	5.0	1.1	1		04/19/21 10:22	60-29-7	
Ethylbenzene	**<1.0**	ug/L	1.0	0.33	1		04/19/21 10:22	100-41-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Sample: Trip Blank **Lab ID: 10554723007** Collected: 04/05/21 08:30 Received: 04/09/21 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Hexachloro-1,3-butadiene	**<5.0**	ug/L	5.0	2.7	1		04/19/21 10:22	87-68-3	
Isopropylbenzene (Cumene)	**<5.0**	ug/L	5.0	1.0	1		04/19/21 10:22	98-82-8	
Methyl-tert-butyl ether	**<5.0**	ug/L	5.0	1.1	1		04/19/21 10:22	1634-04-4	
Methylene Chloride	**<5.0**	ug/L	5.0	0.32	1		04/19/21 10:22	75-09-2	
Naphthalene	**<5.0**	ug/L	5.0	1.1	1		04/19/21 10:22	91-20-3	
Styrene	**<1.0**	ug/L	1.0	0.36	1		04/19/21 10:22	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	0.41	1		04/19/21 10:22	127-18-4	
Tetrahydrofuran	**<25.0**	ug/L	25.0	2.4	1		04/19/21 10:22	109-99-9	
Toluene	**<1.0**	ug/L	1.0	0.29	1		04/19/21 10:22	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	0.32	1		04/19/21 10:22	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	0.42	1		04/19/21 10:22	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	0.17	1		04/19/21 10:22	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1.0	1		04/19/21 10:22	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.47	1		04/19/21 10:22	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	0.36	1		04/19/21 10:22	10061-01-5	
n-Butylbenzene	**<1.0**	ug/L	1.0	0.86	1		04/19/21 10:22	104-51-8	
n-Propylbenzene	**<1.0**	ug/L	1.0	0.35	1		04/19/21 10:22	103-65-1	
p-Isopropyltoluene	**<5.0**	ug/L	5.0	1.0	1		04/19/21 10:22	99-87-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	0.42	1		04/19/21 10:22	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	0.59	1		04/19/21 10:22	98-06-6	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	0.53	1		04/19/21 10:22	156-60-5	
trans-1,3-Dichloropropene	**<5.0**	ug/L	5.0	3.5	1		04/19/21 10:22	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/19/21 10:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/19/21 10:22	2199-69-1	
Toluene-d8 (S)	94	%	70-130		1		04/19/21 10:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

QC Batch: 382514 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 10554723001, 10554723002, 10554723003, 10554723004, 10554723005, 10554723006, 10554723007

METHOD BLANK: 2206127 Matrix: Water
Associated Lab Samples: 10554723001, 10554723002, 10554723003, 10554723004, 10554723005, 10554723006, 10554723007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	04/16/21 16:40	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	04/16/21 16:40	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	04/16/21 16:40	
1,1,2-Trichloroethane	ug/L	<5.0	5.0	04/16/21 16:40	
1,1,2-Trichlorotrifluoroethane	ug/L	<5.0	5.0	04/16/21 16:40	
1,1-Dichloroethane	ug/L	<1.0	1.0	04/16/21 16:40	
1,1-Dichloroethene	ug/L	<1.0	1.0	04/16/21 16:40	
1,1-Dichloropropene	ug/L	<1.0	1.0	04/16/21 16:40	
1,2,3-Trichlorobenzene	ug/L	<5.0	5.0	04/16/21 16:40	
1,2,3-Trichloropropane	ug/L	<5.0	5.0	04/16/21 16:40	
1,2,4-Trichlorobenzene	ug/L	<5.0	5.0	04/16/21 16:40	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	04/16/21 16:40	
1,2-Dibromo-3-chloropropane	ug/L	<5.0	5.0	04/16/21 16:40	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	04/16/21 16:40	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	04/16/21 16:40	
1,2-Dichloroethane	ug/L	<1.0	1.0	04/16/21 16:40	
1,2-Dichloropropane	ug/L	<1.0	1.0	04/16/21 16:40	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	04/16/21 16:40	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	04/16/21 16:40	
1,3-Dichloropropane	ug/L	<1.0	1.0	04/16/21 16:40	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	04/16/21 16:40	
2,2-Dichloropropane	ug/L	<5.0	5.0	04/16/21 16:40	
2-Butanone (MEK)	ug/L	<25.0	25.0	04/16/21 16:40	
2-Chlorotoluene	ug/L	<5.0	5.0	04/16/21 16:40	
4-Chlorotoluene	ug/L	<5.0	5.0	04/16/21 16:40	
4-Methyl-2-pentanone (MIBK)	ug/L	<25.0	25.0	04/16/21 16:40	
Acetone	ug/L	<25.0	25.0	04/16/21 16:40	
Allyl chloride	ug/L	<5.0	5.0	04/16/21 16:40	
Benzene	ug/L	<1.0	1.0	04/16/21 16:40	
Bromobenzene	ug/L	<1.0	1.0	04/16/21 16:40	
Bromochloromethane	ug/L	<5.0	5.0	04/16/21 16:40	
Bromodichloromethane	ug/L	<1.0	1.0	04/16/21 16:40	
Bromoform	ug/L	<5.0	5.0	04/16/21 16:40	
Bromomethane	ug/L	<5.0	5.0	04/16/21 16:40	
Carbon tetrachloride	ug/L	<1.0	1.0	04/16/21 16:40	
Chlorobenzene	ug/L	<1.0	1.0	04/16/21 16:40	
Chloroethane	ug/L	<5.0	5.0	04/16/21 16:40	
Chloroform	ug/L	<5.0	5.0	04/16/21 16:40	
Chloromethane	ug/L	<5.0	5.0	04/16/21 16:40	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	04/16/21 16:40	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

METHOD BLANK: 2206127 Matrix: Water
Associated Lab Samples: 10554723001, 10554723002, 10554723003, 10554723004, 10554723005, 10554723006, 10554723007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	04/16/21 16:40	
Dibromochloromethane	ug/L	<5.0	5.0	04/16/21 16:40	
Dibromomethane	ug/L	<5.0	5.0	04/16/21 16:40	
Dichlorodifluoromethane	ug/L	<5.0	5.0	04/16/21 16:40	
Dichlorofluoromethane	ug/L	<5.0	5.0	04/16/21 16:40	
Diethyl ether (Ethyl ether)	ug/L	<5.0	5.0	04/16/21 16:40	
Ethylbenzene	ug/L	<1.0	1.0	04/16/21 16:40	
Hexachloro-1,3-butadiene	ug/L	<5.0	5.0	04/16/21 16:40	
Isopropylbenzene (Cumene)	ug/L	<5.0	5.0	04/16/21 16:40	
Methyl-tert-butyl ether	ug/L	<5.0	5.0	04/16/21 16:40	
Methylene Chloride	ug/L	<5.0	5.0	04/16/21 16:40	
n-Butylbenzene	ug/L	<1.0	1.0	04/16/21 16:40	
n-Propylbenzene	ug/L	<1.0	1.0	04/16/21 16:40	
Naphthalene	ug/L	<5.0	5.0	04/16/21 16:40	
p-Isopropyltoluene	ug/L	<5.0	5.0	04/16/21 16:40	
sec-Butylbenzene	ug/L	<1.0	1.0	04/16/21 16:40	
Styrene	ug/L	<1.0	1.0	04/16/21 16:40	
tert-Butylbenzene	ug/L	<1.0	1.0	04/16/21 16:40	
Tetrachloroethene	ug/L	<1.0	1.0	04/16/21 16:40	
Tetrahydrofuran	ug/L	<25.0	25.0	04/16/21 16:40	
Toluene	ug/L	<1.0	1.0	04/16/21 16:40	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	04/16/21 16:40	
trans-1,3-Dichloropropene	ug/L	<5.0	5.0	04/16/21 16:40	
Trichloroethene	ug/L	<1.0	1.0	04/16/21 16:40	
Trichlorofluoromethane	ug/L	<1.0	1.0	04/16/21 16:40	
Vinyl chloride	ug/L	<1.0	1.0	04/16/21 16:40	
Xylene (Total)	ug/L	<3.0	3.0	04/16/21 16:40	
4-Bromofluorobenzene (S)	%	100	70-130	04/16/21 16:40	
Toluene-d8 (S)	%	100	70-130	04/16/21 16:40	

LABORATORY CONTROL SAMPLE: 2206128

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	57.0	114	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.4	95	66-130	
1,1,2-Trichloroethane	ug/L	50	52.6	105	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	58.4	117	50-150	
1,1-Dichloroethane	ug/L	50	54.2	108	68-132	
1,1-Dichloroethene	ug/L	50	56.3	113	85-126	
1,2,4-Trichlorobenzene	ug/L	50	48.7	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	46.4	93	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	49.5	99	70-130	
1,2-Dichlorobenzene	ug/L	50	48.3	97	70-130	
1,2-Dichloroethane	ug/L	50	50.2	100	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

LABORATORY CONTROL SAMPLE: 2206128

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/L	50	51.4	103	78-125	
1,3-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,4-Dichlorobenzene	ug/L	50	49.9	100	70-130	
Benzene	ug/L	50	52.6	105	70-132	
Bromodichloromethane	ug/L	50	50.8	102	70-130	
Bromoform	ug/L	50	46.8	94	65-130	
Bromomethane	ug/L	50	43.1	86	44-128	
Carbon tetrachloride	ug/L	50	57.0	114	70-130	
Chlorobenzene	ug/L	50	50.5	101	70-130	
Chloroethane	ug/L	50	55.0	110	73-137	
Chloroform	ug/L	50	54.1	108	80-122	
Chloromethane	ug/L	50	53.0	106	27-148	
cis-1,2-Dichloroethene	ug/L	50	50.7	101	70-130	
cis-1,3-Dichloropropene	ug/L	50	52.9	106	70-130	
Dibromochloromethane	ug/L	50	50.4	101	70-130	
Dichlorodifluoromethane	ug/L	50	48.3	97	22-151	
Ethylbenzene	ug/L	50	50.7	101	80-123	
Isopropylbenzene (Cumene)	ug/L	50	50.4	101	70-130	
Methyl-tert-butyl ether	ug/L	50	47.8	96	66-130	
Methylene Chloride	ug/L	50	49.6	99	70-130	
Styrene	ug/L	50	50.1	100	70-130	
Tetrachloroethene	ug/L	50	53.0	106	70-130	
Toluene	ug/L	50	53.4	107	80-121	
trans-1,2-Dichloroethene	ug/L	50	50.9	102	70-130	
trans-1,3-Dichloropropene	ug/L	50	48.4	97	58-125	
Trichloroethene	ug/L	50	52.4	105	70-130	
Trichlorofluoromethane	ug/L	50	57.0	114	84-148	
Vinyl chloride	ug/L	50	56.3	113	63-142	
Xylene (Total)	ug/L	150	149	99	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			105	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2207487 2207488

Parameter	Units	10554723003 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	<1.0	50	50	53.8	54.5	108	109	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	52.2	46.2	104	92	66-130	12	20	
1,1,2-Trichloroethane	ug/L	<5.0	50	50	54.8	50.9	110	102	70-130	7	20	
1,1,2-Trichlorotrifluoroethane	ug/L	<5.0	50	50	58.6	56.9	117	114	50-150	3	20	
1,1-Dichloroethane	ug/L	<1.0	50	50	54.7	51.0	109	102	68-132	7	20	
1,1-Dichloroethene	ug/L	<1.0	50	50	56.7	55.0	113	110	76-132	3	20	
1,2,4-Trichlorobenzene	ug/L	<5.0	50	50	54.6	50.7	109	101	70-130	7	20	
1,2-Dibromo-3-chloropropane	ug/L	<5.0	50	50	48.8	47.6	98	95	51-126	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2207487 2207488

Parameter	Units	10554723003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	53.6	50.5	107	101	70-130	6	20	
1,2-Dichlorobenzene	ug/L	<1.0	50	50	53.3	48.1	107	96	70-130	10	20	
1,2-Dichloroethane	ug/L	<1.0	50	50	53.2	50.2	106	100	70-130	6	20	
1,2-Dichloropropane	ug/L	<1.0	50	50	51.8	50.7	104	101	77-125	2	20	
1,3-Dichlorobenzene	ug/L	<1.0	50	50	54.4	51.6	109	103	70-130	5	20	
1,4-Dichlorobenzene	ug/L	<1.0	50	50	53.0	51.5	106	103	70-130	3	20	
Benzene	ug/L	<1.0	50	50	53.1	51.4	106	103	70-132	3	20	
Bromodichloromethane	ug/L	<1.0	50	50	51.9	49.3	104	99	70-130	5	20	
Bromoform	ug/L	<5.0	50	50	52.1	46.7	104	93	65-130	11	20	
Bromomethane	ug/L	<5.0	50	50	47.8	47.4	95	94	44-128	1	21	
Carbon tetrachloride	ug/L	<1.0	50	50	55.3	53.4	111	107	70-132	3	20	
Chlorobenzene	ug/L	<1.0	50	50	53.0	51.6	106	103	70-130	3	20	
Chloroethane	ug/L	<5.0	50	50	57.5	54.7	115	109	70-137	5	20	
Chloroform	ug/L	<5.0	50	50	54.0	52.4	108	105	80-122	3	20	
Chloromethane	ug/L	<5.0	50	50	54.4	52.9	109	106	17-149	3	20	
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	51.0	48.6	102	97	70-130	5	20	
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	52.0	48.4	104	97	70-130	7	20	
Dibromochloromethane	ug/L	<5.0	50	50	53.2	51.3	106	103	70-130	4	20	
Dichlorodifluoromethane	ug/L	<5.0	50	50	47.7	47.5	95	95	22-158	0	20	
Ethylbenzene	ug/L	<1.0	50	50	53.6	51.9	107	104	80-123	3	20	
Isopropylbenzene (Cumene)	ug/L	<5.0	50	50	55.7	53.8	111	108	70-130	3	20	
Methyl-tert-butyl ether	ug/L	<5.0	50	50	51.3	47.5	103	95	66-130	8	20	
Methylene Chloride	ug/L	<5.0	50	50	50.6	48.0	101	96	70-130	5	20	
Styrene	ug/L	<1.0	50	50	53.8	51.0	108	102	70-130	5	20	
Tetrachloroethene	ug/L	5.2	50	50	58.8	56.8	107	103	70-130	3	20	
Toluene	ug/L	<1.0	50	50	52.6	52.0	105	104	80-121	1	20	
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	50.7	50.0	101	100	70-134	1	20	
trans-1,3-Dichloropropene	ug/L	<5.0	50	50	51.6	47.3	103	95	58-130	9	20	
Trichloroethene	ug/L	<1.0	50	50	53.7	52.0	107	104	70-130	3	20	
Trichlorofluoromethane	ug/L	<1.0	50	50	58.3	56.9	117	114	82-151	2	20	
Vinyl chloride	ug/L	<1.0	50	50	56.3	55.4	113	111	61-143	2	20	
Xylene (Total)	ug/L	<3.0	150	150	158	151	106	101	70-130	5	20	
4-Bromofluorobenzene (S)	%						98	94	70-130			
Toluene-d8 (S)	%						101	100	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

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.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 200827 Blackhawk Junction Phas
Pace Project No.: 10554723

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10554723001	**MW-1**	EPA 8260	382514		
10554723002	**MW-2**	EPA 8260	382514		
10554723003	**MW-3**	EPA 8260	382514		
10554723004	**MW-4**	EPA 8260	382514		
10554723005	**MW-4-D**	EPA 8260	382514		
10554723006	**MW-5**	EPA 8260	382514		
10554723007	**Trip Blank**	EPA 8260	382514		

CHAIN-OF-CUSTODY / Analytical Request Document

Bay West — Customer-Focused Environmental & Industrial Solutions

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

WO# : 10554723

10554723

Section A — Required Client Information:		Section B — Required Project Information:		Section C — Invoice Information:		Section D — Laboratory Information	
Company:	Bay West	Project Name:	Blackhawk Junction Phase II	Attention:	Accounts Payable	Lab Name:	Pace
Address:	5 Empire Dr. St.Paul MN, 55103	Project Number:	200827	Company Name:	Bay West LLC	Adress:	1700 Elm St. Minneapolis MN, 55414
Project Manager :	Rick Van Allen	Turnaround Time:	Standard	Address:	5 Empire Dr. St. Paul, MN 55103	Lab Project Manager	Sylvia Hunter
Email To:	rickv@baywest.com	Site Location (State):	WI	Purchase Order No.	110833	Lab Phone:	612-607-6347
Phone:	651-291-3441	Copy To:	ryanr@baywest.com				
Copy To:	Eweaver@baywest.com	Copy To:	gvanderwaal@baywest.com				

COC ID:	
Work Order Number	
Facility Code:	
Project Task Code:	
Program Code	

Matrix Code: SE=Sediment; SO=Soil; QC=Soil QC; W=Aqueous; WG=Groundwater; S=Surface

Lab Matrix Codes: DW=Drinking Water; NW=Non-potable Water; SD=Soil/Solid; WP=Wipe; AR=Air; BL=Biological Material; OT=Other

Field Matrix Codes: Wtr-Ground=Ground Water; WTR-Surf=Surface Water; QC-Blank=Artificial Blank Water; Leachate=Leachate Sample; Soil-Surf= Soil Surface; Soil-Sub= Soil Subsurface

Sample Type Codes: Sample=Routine Sample; S-CWOP=Composite Sample; S-IVP=Integrated Vertical Profile Sample; QC-FB=Field Blank Sample; QC-FR=Field Replicate Sample; QC-TB=Trip Blank Sample

ITEM #	Location Unique ID	Sample Common ID	Sample Type Code (MPCA ONLY)	SAMPLE TYPE (G=GRAB C=COMP)	Matrix Code	Lab Matrix Code (MPCA ONLY)	Field Matrix Code (MPCA ONLY)	Date	Time	# of Cont.	Preservatives / Requested Analysis: VOC 8260	Comments
1		MW - 1		G	NW			4/7/21	1855	3	X	OW1
2		MW - 2		G	NW			4/8/21	1425	3	X	OW2
3		MW - 3		G	NW			4/8/21	1640	3	X	OW3
4		MW - 4		G	NW			4/8/21	1845	3	X	OW4
5		MW - 4 - D		G	NW			4/8/21	1850	3	X	OW5
6		MW - 5		G	NW			4/8/21	1134	2	X	One container dam aged during sample out
7		Trip Blank		G	NW			4/5/21	0830	2	X	Not provided
8		~~Equipment Blank~~		G	NW						X	
9												
10												
11												
12												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	Connor Vinson/Bay West	4/9/21	1405	IJ-PACE	4/9/21	1405

SAMPLE CONDITIONS

Temp (°C)	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
9.4 15.5 2.3	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Vinson

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 04/09/21

Sample Condition Upon Receipt

Client Name: Bay West

Project #: WO#: 10554723

PM: SH1 Due Date: 04/23/21

CLIENT: BW-BAY WEST

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: _____ See Exceptions ☐ ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? ☒ Yes ☐ No **Seals Intact?** ☒ Yes ☐ No **Biological Tissue Frozen?** ☐ Yes ☐ No ☒ N/A

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other: _____ **Temp Blank?** ☒ Yes ☐ No

Thermometer: ☐ T1(0461) ☐ T2(1336) ☐ T3(0459) ☐ T4(0254) ☒ T5(0489) **Type of Ice:** ☒ Wet ☐ Blue ☐ None ☐ Dry ☐ Melted

Did Samples Originate in West Virginia? ☐ Yes ☒ No **Were All Container Temps Taken?** ☐ Yes ☐ No ☒ N/A

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:** 4.5 5.0 2.7 °C

Correction Factor: -0.1 **Cooler Temp Corrected w/temp blank:** 4.4, 5.5, 2.6 °C

Average Corrected Temp (no temp blank only): _____ °C ☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: (☒ N/A, water sample/Other: _____)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☐ No

Date/Initials of Person Examining Contents: KTZ 4/9/21

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present and Filled Out?	☒ Yes	☐ No		1.
Chain of Custody Relinquished?	☒ Yes	☐ No		2.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	3.
Samples Arrived within Hold Time?	☒ Yes	☐ No		4.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E coli ☐ BOD/cBOD ☐ Hex Chrome ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other _____
Rush Turn Around Time Requested?	☐ Yes	☒ No		6.
Sufficient Volume?	☒ Yes	☐ No		7.
Correct Containers Used?	☒ Yes	☐ No		8.
-Pace Containers Used?	☒ Yes	☐ No		
Containers Intact?	☐ Yes	☒ No		9. Client Noted on COC
Field Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☒ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC?	☒ Yes	☐ No		11. **If no, write ID/ Date/Time on Container Below:** ☐ See Exception ENV-FRM-MIN4-0142
Matrix: ☒ Water ☐ Soil ☐ Oil ☐ Other _____				
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☒ N/A	12. Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☐ Yes	☐ No	☒ N/A	☐ NaOH ☐ HNO_3 ☐ H_2SO_4 ☐ Zinc Acetate
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☒ Yes	☐ No	☐ N/A	Positive for Res. Chlorine? ☐ Yes ☐ No **pH Paper Lot#** ☐ See Exception ENV-FRM-MIN4-0142
				Res. Chlorine | 0-6 Roll | 0-6 Strip | 0-14 Strip
Extra labels present on soil VOA or WIDRO containers?	☐ Yes	☐ No	☒ N/A	13. ☐ See Exception ENV-FRM-MIN4-0140
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☒ No	☐ N/A	
Trip Blank Present?	☒ Yes	☐ No	☐ N/A	14. 2 HCl
Trip Blank Custody Seals Present?	☒ Yes	☐ No	☐ N/A	Pace Trip Blank Lot # (if purchased): 297438

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: _____ Date/Time: _____ **Field Data Required?** ☐ Yes ☐ No

Comments/Resolution: _____

Project Manager Review: Ashley Hunter **Date:** 4/12/21

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled by: TJ 3 MLL

Internal Transfer Chain of Custody

40225067

Pace Analytical®
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: WI
Cert. Needed: [X] Yes ☐ No

Workorder: 10554723 **Workorder Name:** 200827 Blackhawk Junction Phas **Owner Received Date:** 4/9/2021 **Results Requested By:** 4/22/2021

Report To	Subcontract To
Sylvia Hunter Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone 1(612)607-1700	Pace Analytical Green Bay 1241 Bellevue Street Suite 9 Green Bay, WI 54302 Phone (920)469-2436

VG9H 3 ea

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL						Requested Analysis: 8260 VOC 465W												LAB USE ONLY
1	MW-1	PS	4/7/2021 18:55	10554723001	Water	1						X												001
2	MW-2	PS	4/8/2021 14:25	10554723002	Water	1						X												002
3	MW-3	PS	4/8/2021 16:40	10554723003	Water	1						X												003
4	MW-4	PS	4/8/2021 18:45	10554723004	Water	1						X												004
5	MW-4-D	PS	4/8/2021 18:50	10554723005	Water	1						X												005
6	MW-5	PS	4/8/2021 11:34	10554723006	Water	1						X												006
7	Trip Blank	PS	4/5/2021 08:30	10554723007	Water	1						X												007

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature] Pace	4/13/21 1430	[signature] Pace	
2	Walter	4/14/21 0905	[signature] Pace	4/14/21 0905
3				

Comments

Cooler Temperature on Receipt .5 °C | **Custody Seal** (Y) or N | **Received on Ice** (Y) or N | **Samples Intact** (Y) or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

40225067

1700 Elm Street, Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE ACKNOWLEDGMENT

Analyte List

Customer Sample ID	Method	Compound	Reporting Limit	Units
GP-11	8260D VOC	Dichlorodifluoromethane	1	ug/L
		Chloromethane	4	ug/L
		Vinyl chloride	0.2	ug/L
		Bromomethane	4	ug/L
		Chloroethane	1	ug/L
		Trichlorofluoromethane	1	ug/L
		Dichlorofluoromethane	1	ug/L
		Diethyl ether (Ethyl ether)	4	ug/L
		1,1-Dichloroethene	1	ug/L
		1,1,2-Trichlorotrifluoroethane	1	ug/L
		Allyl chloride	4	ug/L
		Methylene Chloride	4	ug/L
		Acetone	20	ug/L
		trans-1,2-Dichloroethene	1	ug/L
		Methyl-tert-butyl ether	1	ug/L
		1,1-Dichloroethane	1	ug/L
		cis-1,2-Dichloroethene	1	ug/L
		2,2-Dichloropropane	4	ug/L
		Bromochloromethane	1	ug/L
		Chloroform	1	ug/L
		Carbon tetrachloride	1	ug/L
		Tetrahydrofuran	10	ug/L
		1,1,1-Trichloroethane	1	ug/L
		1,1-Dichloropropene	1	ug/L
		2-Butanone (MEK)	5	ug/L
		Benzene	1	ug/L
		1,2-Dichloroethane	1	ug/L
		Trichloroethene	0.4	ug/L
		Dibromomethane	4	ug/L
		1,2-Dichloropropane	4	ug/L
		Bromodichloromethane	1	ug/L
		cis-1,3-Dichloropropene	4	ug/L
		Toluene	1	ug/L
		Tetrachloroethene	1	ug/L
		4-Methyl-2-pentanone (MIBK)	5	ug/L
		trans-1,3-Dichloropropene	4	ug/L
		1,1,2-Trichloroethane	1	ug/L
		Dibromochloromethane	1	ug/L
		1,3-Dichloropropane	1	ug/L
		1,2-Dibromoethane (EDB)	1	ug/L
		Chlorobenzene	1	ug/L
		Ethylbenzene	1	ug/L
		1,1,1,2-Tetrachloroethane	1	ug/L
		m&p-Xylene	2	ug/L
		o-Xylene	1	ug/L
		Styrene	1	ug/L
		Bromoform	4	ug/L
		Isopropylbenzene (Cumene)	1	ug/L
		Bromobenzene	1	ug/L
		n-Propylbenzene	1	ug/L
		1,1,2,2-Tetrachloroethane	1	ug/L

Please contact your project manager if you recognize any discrepancy in this form or have any questions about your project.

Thank you for choosing Pace Analytical Services, LLC.

40225067

Pace Analytical®
www.pacelabs.com

1700 Elm Street, Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE ACKNOWLEDGMENT

Analyte List

Customer Sample ID	Method	Compound	Reporting Limit	Units
		2-Chlorotoluene	1	ug/L
		1,2,3-Trichloropropane	4	ug/L
		1,3,5-Trimethylbenzene	1	ug/L
		4-Chlorotoluene	1	ug/L
		tert-Butylbenzene	1	ug/L
		1,2,4-Trimethylbenzene	1	ug/L
		sec-Butylbenzene	1	ug/L
		p-Isopropyltoluene	1	ug/L
		1,3-Dichlorobenzene	1	ug/L
		1,4-Dichlorobenzene	1	ug/L
		n-Butylbenzene	1	ug/L
		1,2-Dichlorobenzene	1	ug/L
		1,2-Dibromo-3-chloropropane	4	ug/L
		Hexachloro-1,3-butadiene	1	ug/L
		1,2,4-Trichlorobenzene	1	ug/L
		Naphthalene	4	ug/L
		1,2,3-Trichlorobenzene	1	ug/L
		Xylene (Total)	3	ug/L
GP-1TD	8260D VOC	Dichlorodifluoromethane	1	ug/L
		Chloromethane	4	ug/L
		Vinyl chloride	0.2	ug/L
		Bromomethane	4	ug/L
		Chloroethane	1	ug/L
		Trichlorofluoromethane	1	ug/L
		Dichlorofluoromethane	1	ug/L
		Diethyl ether (Ethyl ether)	4	ug/L
		1,1-Dichloroethene	1	ug/L
		1,1,2-Trichlorotrifluoroethane	1	ug/L
		Allyl chloride	4	ug/L
		Methylene Chloride	4	ug/L
		Acetone	20	ug/L
		trans-1,2-Dichloroethene	1	ug/L
		Methyl-tert-butyl ether	1	ug/L
		1,1-Dichloroethane	1	ug/L
		cis-1,2-Dichloroethene	1	ug/L
		2,2-Dichloropropane	4	ug/L
		Bromochloromethane	1	ug/L
		Chloroform	1	ug/L
		Carbon tetrachloride	1	ug/L
		Tetrahydrofuran	10	ug/L
		1,1,1-Trichloroethane	1	ug/L
		1,1-Dichloropropene	1	ug/L
		2-Butanone (MEK)	5	ug/L
		Benzene	1	ug/L
		1,2-Dichloroethane	1	ug/L
		Trichloroethene	0.4	ug/L
		Dibromomethane	4	ug/L
		1,2-Dichloropropane	4	ug/L
		Bromodichloromethane	1	ug/L
		cis-1,3-Dichloropropene	4	ug/L
		Toluene	1	ug/L

Please contact your project manager if you recognize any discrepancy in this form or have any questions about your project.

Thank you for choosing Pace Analytical Services, LLC.

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

Sample Preservation Receipt Form

Client Name: Pace MN Project # 40225067

All containers needing preservation have been checked and noted below: □Yes □No ~~□N/A~~ Initial when completed: Date/ Time:

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

	Glass								Plastic					Vials						Jars				General							
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	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															2.5 / 5 / 10
002																	3															2.5 / 5 / 10
003																	3															2.5 / 5 / 10
004																	3															2.5 / 5 / 10
005																	3															2.5 / 5 / 10
006																	2															2.5 / 5 / 10
007																	2															2.5 / 5 / 10
008																																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																												4/14/21				2.5 / 5 / 10
017																																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
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Pace Analytical® 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 26Mar2020
	Document No.: **ENV-FRM-GBAY-0014-Rev.00**	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40225067

40225067

Client Name: Pace MN

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

Tracking #: 2811038-1

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 - 90 **Type of Ice:** Wet Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1 /Corr: 2

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

Person examining contents:
Date: 4/14/21 /Initials: LC
Labeled By Initials: SRK

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

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. Jill WO 4/14/21 LC
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. Two vials for 001 and one vial for 006 have bulged septa 4/14/21 SRK
-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.
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:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir