



November 14, 2022

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Task Order Contracting Officer's Representative  
U.S. Environmental Protection Agency, Region 7  
11201 Renner Boulevard  
Lenexa, Kansas 66219

**Subject: Contract No. 68HERH19D0018; Task Order No. 68HE0719F0190  
31<sup>st</sup> & Prospect Development Site  
2501, 2503, and 2505 East 30<sup>th</sup> Street; 3012 Prospect Avenue; and 3005, 3009, 3011, and  
3015 Wabash Avenue, Kansas City, Jackson County, Missouri  
Phase II Environmental Site Assessment, Quarter 3**

Dear Ms. Dunning:

Toeroek Associates, Inc. (Toeroek) and our teaming subcontractor, Tetra Tech, Inc. (Tetra Tech), (hereafter "Toeroek Team") are pleased to present the Phase II Environmental Site Assessment (ESA), Quarter 3 report regarding the 31<sup>st</sup> & Prospect Development Site (the Site) located in Kansas City, Jackson County, Missouri.

This deliverable has been reviewed internally as part of Tetra Tech's quality assurance program, as well as Toeroek's quality assurance program, and is consistent with Toeroek's Quality Management Plan for the Resource Conservation and Recovery Act (RCRA) Enforcement and Permitting Assistance (REPA) contract. Documentation of this review is retained in the Toeroek Team's project files.

If you have any questions or comments, please contact Greg Hanna at 720-898-4102 or Kaitlyn Mitchell at 816-412-1742.

Sincerely,

Greg Hanna  
Toeroek Team Program Manager

Kaitlyn Mitchell  
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Enclosure

cc: Leeanna Balsley, EPA Region 7 (cover letter only)  
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**TARGETED BROWNFIELDS ASSESSMENT  
PHASE II ENVIRONMENTAL SITE ASSESSMENT, QUARTER 3**

**31<sup>st</sup> & PROSPECT DEVELOPMENT SITE  
2501, 2503, AND 2505 EAST 30<sup>th</sup> STREET; 3012 PROSPECT AVENUE;  
AND 3005, 3009, 3011, AND 3015 WABASH AVENUE  
KANSAS CITY, JACKSON COUNTY, MISSOURI**



**Prepared for**

**U.S. ENVIRONMENTAL PROTECTION AGENCY  
REGION 7**

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Contract No.	: 68HERH19D0018
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## 1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA) tasked Toeroek Associates, Inc. (Toeroek) and its teaming subcontractor, Tetra Tech, Inc., (hereafter “Toeroek Team”) with providing technical support to the EPA Region 7 Brownfields Program under Contract 68HERH19D0018, Task Order 68HE0719F0190. EPA Region 7 requested the Toeroek Team conduct a Phase II Environmental Site Assessment (ESA) as part of a Targeted Brownfields Assessment (TBA) of a portion of the 31<sup>st</sup> & Prospect Development Site (the Site). The focus of this ESA is eight parcels of land located at 2501, 2503, and 2505 East 30<sup>th</sup> Street; 3012 Prospect Avenue; and 3005, 3009, 3011, and 3015 Wabash Avenue in Kansas City, Jackson County, Missouri (Appendix A, Figure 1).

The Toeroek Team is performing this Phase II ESA based on results of previous investigations by CEG Assessments (CEG) (CEG 2016), Ramboll Environ (Ramboll) (Ramboll 2016), and SCS Engineers (SCS) (SCS 2018, 2019). The previous investigations occurred over a larger portion of the 31<sup>st</sup> & Prospect Development Site, a 52-parcel area. During the previous investigations in the larger, 52-parcel area, a plume of volatile organic compounds (VOCs) in groundwater was identified under eight parcels within the Site. According to the Brownfields Assessment Application (EPA 2020), the previous property owners, CRV, LLC, and the City of Kansas City, Missouri, were interested in redeveloping the property, contingent on the findings of this Phase II ESA. The subject property has since been sold. The City and EPA are currently attempting to establish an access agreement and TBA application for the new owner of the subject property.

The scope of this Phase II ESA included collection of subsurface soil, soil-gas, and groundwater samples in January 2022 (Quarter 1 sampling event), to confirm or eliminate recognized environmental conditions (RECs) identified during the previous Phase I ESA (SCS 2018) and multiple Phase II ESAs (CEG 2016, Ramboll 2016, SCS 2019). In addition, the Toeroek Team installed three permanent groundwater monitoring wells on the Site in January 2022 for long-term groundwater monitoring that will aid potential remediation under the State of Missouri’s Brownfields/Voluntary Cleanup Program (BVCP) (Toeroek 2022a). The Toeroek Team is now conducting quarterly groundwater sampling of these monitoring wells. This report details the third quarterly (Quarter 3) sampling event at the Site.

This Phase II ESA, Quarter 3 report is consistent with ASTM International (ASTM) Standard E1903-19 for Phase II ESAs, and otherwise complies with EPA’s “All Appropriate Inquiries” Rule (40 *Code of Federal Regulations* Part 312).

## **1.1 PURPOSE**

Purposes of this Phase II ESA were to: (1) confirm or eliminate RECs identified during previous investigations; (2) acquire information regarding nature and concentration of contaminants present at the Site in soil and/or groundwater; (3) assess potential impacts on the Site and risks posed by hazardous substances that would support informed business decisions about the Site; and (4) where applicable, satisfy the innocent purchaser defense under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

## **1.2 SPECIAL TERMS AND CONDITIONS**

No special terms or conditions were identified during the Phase II ESA, Quarter 3 sampling event.

## **2.0 BACKGROUND AND SITE HISTORY**

This section specifies the location of the Site and its features, describes the physical setting, recounts the history of the Site, discusses land uses at the Site and adjacent properties, and relates results of previous investigations.

### **2.1 SITE DESCRIPTION AND FEATURES**

The Site is located in Kansas City, Jackson County, Missouri, and appears on the Kansas City, Missouri – Kansas Quadrangle, U.S. Geological Survey (USGS) 7.5-minute topographic series map (USGS 2021) (Appendix A, Figure 1). The Site consists of eight vacant parcels, encompassing approximately 1 acre of land. Coordinates at the approximate center of the Site are 39.071081 degrees north latitude and 94.553162 degrees west longitude.

### **2.2 PHYSICAL SETTING**

The Site lies within the east-central portion of the City of Kansas City, Missouri. It is bounded to the north by East 30<sup>th</sup> Street, with residential buildings beyond; to the east by Prospect Avenue, with commercial businesses beyond; to the south-southeast by Rent-A-Center Furniture Store and associated parking lot, with the Kansas City Public Library and associated parking lot, and East 31<sup>st</sup> Street beyond; to the west by Wabash Avenue, with residential buildings beyond; and to the north-northwest by a vacant building, with East 30<sup>th</sup> Street beyond.

#### **2.2.1 Geologic Setting**

Jackson County lies within west-central Missouri, in the Iowa and Missouri Deep Loess Hills Resource Area of the Central Feed Grains and Livestock Region of the United States. The Missouri River is the northern boundary of Jackson County. The northern part of Jackson County is a near-level flood plain of the Missouri River. Adjacent to the flood plain and to the south are moderately sloping to steep, loess-covered bluffs and hills. The remainder of Jackson County, which includes the Site area, consists of gently to moderately sloping uplands and flood plains of the Blue River, Little Blue River, Sni-A-Bar Creek, and their tributaries (U.S. Department of Agriculture [USDA] 1984).

The upper bedrock formation in the vicinity of the Site consists of the middle Kansas City Group, Missourian Series, Pennsylvania System (Missouri Bureau of Geology and Mines 1917). Underlying the Kansas City Group are the shales of the Pleasanton Group. Underlying the Pleasanton Group are

predominantly shales of the Marmaton and Cherokee Groups of the Desmoinesian Series (Missouri Department of Natural Resources [MoDNR] 1997). Shale bedrock was encountered at depths of approximately 18 to 24 feet (ft) below ground surface (bgs) during the Quarter 1 sampling event (Toeroek 2022a).

Soil at the Site has been classified according to USDA Soil Conservation Services Web Soil Survey, reviewed in January 2022. The soils consist of urban land, Harvester Complex with 2 to 9 percent slopes. This soil type is moderately well drained with high runoff and consists of silt loam from 0 to 7 inches deep, silty clay loam from 7 to 31 inches deep, and clay loam from 31 to 80 inches deep (USDA 2022).

### **2.2.2 Hydrogeology**

Land surface elevations in Jackson County range from 1,105 ft above mean sea level (amsl) on the divide in the south-central part of the County to 690 ft amsl at normal water level on the Missouri River located on the county line of most of the northern side of the County (USDA 1984). Local topographic elevation at the center of the Site is approximately 980 ft amsl (USGS 2021).

Local Pennsylvanian-age bedrock units generally yield low quantities of marginal quality groundwater high in dissolved solids—particularly chlorides, iron, and bicarbonates (Stohr, St. Ivany, and Williams 1981).

Groundwater is not currently used for drinking water at or near the Site. The City of Kansas City derives approximately 80 percent of its drinking water from the Missouri River and approximately 20 percent from a well field in the Missouri River Aquifer. The potable water passes through a 240-million-gallon-per-day (MGD) treatment plant before servicing customers inside and outside Kansas City (KC Water 2022). No private drinking water wells are located within a 1-mile radius of the Site (MoDNR 2022).

Numerous drainageways dissect the bedrock in this area and flow toward the Missouri River. The Site is relatively flat and slopes to the northwest. Shallow groundwater perches seasonally at the top of bedrock or other competent layers in the subsurface. Transient water also may be encountered within fracture zones and along bedding planes, and frequently discharges at bedrock outcrops (Stohr, St. Ivany, and Williams 1981).

The hydrologic gradient at the Site is not known but may be inferred to be consistent with the topographic gradient, which extends primarily in the north-northwest direction. Groundwater depth and direction likely vary with seasonal changes, precipitation, and other unknown hydrogeologic features. The static



water level, measured at the Site during the Quarter 1 sampling event, was approximately 962 to 970 ft amsl.

### **2.2.3 Hydrology**

Most of the Site is flat and slopes to the north-northwest toward U.S. 49 Highway and beyond to the Missouri River, which is located approximately 3.4 miles to the north-northwest of the Site.

### **2.2.4 Meteorology**

Annual average rainfall in the City of Kansas City, Missouri is 37 inches. Average summer highs are approximately 89 degrees Fahrenheit (°F). Average winter lows are approximately 21°F (National Weather Service 2022).

## **2.3 SITE HISTORY AND LAND USE**

The Site has been developed since at least 1896 and has been comprised of mixed residential and commercial areas, with Prospect Avenue as a commercial corridor and residential properties to the west of Prospect Avenue. A 5,000-square-foot building was present on the 3012 Prospect Avenue property from at least 1951 through 2017, when it was demolished (SCS 2018). Historically, commercial and retail businesses at that parcel included automobile service, filling stations, and dry cleaners.

## **2.4 ADJACENT PROPERTY USE**

Surrounding properties have been developed since the late 1800s and early 1900s, and historically have hosted residential properties and various commercial businesses, including automobile service, filling stations, printing facilities, and dry cleaners (SCS 2018).

## **2.5 SUMMARY OF PREVIOUS ASSESSMENTS**

Multiple Phase I and Phase II ESAs have been performed at the Site. During Phase I ESA investigations, the parcels comprising the Site were found to have previously hosted retail businesses including automobile service facilities, filling stations, and dry cleaners. Phase II ESA investigations have identified petroleum compounds and additives and chlorinated solvents commonly associated with dry cleaning activities, and their breakdown products, at high concentrations in soil, soil gas, and groundwater.

The Toeroek Team performed the initial (Quarter 1) sampling event for this Phase II ESA from January 11 through 14, 2022. Activities included sampling of subsurface soil, soil gas, and groundwater, and installation of three permanent groundwater monitoring wells. Monitoring wells MW-1 and MW-3 were screened from approximately 12 to 22 ft bgs and MW-2 was screened from approximately 15 to 25 ft bgs, into the top of the shale bedrock layer (Toeroek 2022a).

Low to moderate concentrations of VOCs were detected in nearly all soil, soil-gas, and groundwater samples. Concentrations of multiple chemicals of concern (COCs) exceeded Missouri Risk-based Corrective Action (MRBCA) Lowest Default Target Levels (LDTLs) in all media and EPA Maximum Contaminant Levels (MCLs) in groundwater (Toeroek 2022a).

- Benzene concentration exceeded the MRBCA Tier 1 Risk-based Target Level (RBTL) in one soil-gas sample.
- Concentrations of tetrachloroethene (PCE) and trichloroethene (TCE) exceeded EPA MCLs and MRBCA LDTLs in all three groundwater samples.
- Concentrations of PCE exceeded MRBCA RBTLs in the groundwater sample collected from monitoring well MW-2.

The Toeroek Team performed the second quarterly (Quarter 2) sampling event on April 19, 2022. Activities consisted of sampling the three groundwater monitoring wells previously installed during the Quarter 1 sampling event in January 2022 (Toeroek 2022b).

All groundwater samples collected at the Site during the Quarter 2 sampling event contained low to moderate concentrations of COCs.

- At monitoring well MW-1, PCE and TCE concentrations exceeded their respective EPA MCLs and MRBCA LDTLs.
- At monitoring well MW-2, PCE and TCE concentration exceeded the respective EPA MCL, MRBCA LDTL; PCE concentration also exceed the MRBCA RBTL; 1,1,2-trichloroethane (TCA) concentration exceeded the MRBCA LDTL.
- At monitoring well MW-3, PCE and TCE concentration exceeded the respective EPA MCLs and MRBCA LDTLs; 1,1,2-TCA concentration exceeded the MRBCA LDTL.

### **3.0 PHASE II ENVIRONMENTAL SITE ASSESSMENT ACTIVITIES**

The following subsections describe the scope, field exploration, and methods implemented during the Phase II ESA, Quarter 3 sampling event. On July 8, 2022, Toeroek Team members Thomas Kaley, Macy La Masney, and Zach Usher conducted groundwater sampling of three groundwater monitoring wells previously installed during the Quarter 1 sampling event. In addition, soil-gas sampling was performed at the same eight locations previously sampled during the Quarter 1 sampling event. Field activities were documented in a logbook (Appendix B).

#### **3.1 SCOPE OF THE ASSESSMENT**

The Toeroek Team performed environmental sampling to assess the current level of contamination in groundwater at the Site. Sampling was consistent with the Quality Assurance Project Plan (QAPP) approved by EPA on November 4, 2021 (Toeroek 2021).

##### **3.1.1 Sampling Plan**

The proposed sampling scheme for this project incorporated a combination of biased/judgmental sampling with definitive laboratory analysis, in accordance with procedures included in the *Guidance for Performing Site Inspections Under CERCLA* (Office of Solid Waste and Emergency Response [OSWER] Directive #9345.1-05, September 1992). The objective of the groundwater and soil-gas sampling was to characterize possible releases to the environment. Figure 2 in Appendix A depicts sampling locations at the Site. Three groundwater samples were collected, one at each of three permanent groundwater monitoring well locations, MW-1, MW-2, and MW-3. Sixteen soil-gas samples were collected, two at each of eight locations previously sampled during the Quarter 1 sampling event.

##### **3.1.2 Chemical Testing Plan**

Laboratory analyses for chemical parameters were selected based on likely present contaminants associated with current and historical uses of the Site, and results from previous investigations. All groundwater samples were submitted to Pace Analytical (Pace) in Lenexa, Kansas, for VOCs analysis via EPA Method 8260. All soil-gas samples were submitted to Pace in Lenexa, Kansas, for VOCs analysis via EPA Method Toxic Organics (TO)-15.

##### **3.1.3 Deviations from the QAPP**

There were no deviations from the QAPP.

## 3.2 FIELD ACTIVITIES

Quarter 3 field activities were conducted at the Site on July 8, 2022. Groundwater samples were submitted to Pace on July 8, 2022, and soil-gas samples were submitted to Pace on July 15, 2022. The following subsections summarize groundwater and soil-gas sample collection activities. Sampling locations are depicted on Figure 2 in Appendix A.

### 3.2.1 Groundwater Sampling

The Toeroek Team collected groundwater samples from three groundwater monitoring wells previously installed during the Quarter 1 sampling event in January 2022 (Appendix A, Figure 2).

Samples were collected after at least three well volumes of water had been purged from each well by use of a bailer. The Toeroek Team measured temperature, pH, specific conductivity, and turbidity using a Horiba U-52 Series water meter. Parameters were monitored during purging until stabilization (no greater than 10 percent change over three consecutive readings). Samples were collected into three 40-milliliter (mL) volatile organic analysis (VOA) vials preserved with hydrochloric acid. Samples were analyzed for VOCs via EPA Method 8260. Table 1 below summarizes groundwater levels and samples collected during this Phase II ESA, Quarter 3 sampling event.

**TABLE 1**  
**GROUNDWATER LEVEL AND SAMPLE SUMMARY, QUARTER 3**  
**31<sup>st</sup> & PROSPECT DEVELOPMENT SITE**

Location ID(s)	Depth to Groundwater (ft btoc)	Static Water Level (ft amsl)	Analysis Performed
MW-1	12.44	972.40	VOCs via EPA Method 8260
MW-2	13.75	970.30	
MW-2-FD			
MW-3	13.20	969.69	

Notes:

EPA     U.S. Environmental Protection Agency  
FD     Field duplicate  
ft amsl   Feet above mean sea level  
ft btoc   Feet below top of casing  
MW     Monitoring well  
VOC     Volatile organic compound

### 3.2.2 Soil-Gas Sampling

The Toeroek Team collected a total of 16 soil-gas samples. Two soil-gas samples were collected at each of the eight locations previously sampled during the Quarter 1 sampling event (Appendix A, Figure 2).

At each sampling location, by use of the direct-push technology (DPT) rig, soil-gas samples were collected within a predetermined shallow and a deep interval based on previously detected soil and soil gas contamination identified from the Quarter 1 sampling event and water level measurements recorded during the Quarter 2 sampling event. At each soil-gas sampling location, steel rods were driven to the maximum sampling depth, and then removed. A plastic vapor implant approximately 1.5 inches in length was attached to disposable tubing and inserted to the bottom depth. Sand was placed around the vapor implant and bentonite was added to fill the boring to the upper sampling interval. A second vapor implant was placed by application of the same method, and the hole was filled with bentonite to the surface. Ambient air in the tubing was purged by use of a vacuum pump, and then the upper end of the tubing was connected to an evacuated vacuum canister. Using a pressure gauge, the Toeroek Team measured vacuum pressure in the canister prior to sample collection and upon completion of sample collection. A valve on the canister was opened, and the canister filled with soil-gas vapors. Samples were collected over approximately 30 to 60 seconds, ending when the final vacuum pressure reached between -1 and -5 inches of mercury ("Hg). Deep interval soil-gas samples were collected from approximately 11.5 to 24 ft bgs, and shallow interval soil-gas samples were collected from approximately 2 to 8 ft bgs. Groundwater was encountered at locations SG-3 and SG-7; consequently, several inches of clean sand was added to fill the saturated zone before placement of the vapor implant.

After completion of soil-gas sampling at each location, the disposable tubing was removed from the boring, and any permanent equipment that had encountered the soil-gas vapors was decontaminated by application of a non-phosphate detergent and tap water wash, followed by a tap water rinse. Vacuum canisters were analyzed for VOCs via EPA Method TO-15. Table 2 below summarizes soil-gas samples collected during this Phase II ESA, Quarter 3 sampling event.

**TABLE 2**

**SOIL-GAS SAMPLE LOCATIONS AND SUMMARY, QUARTER 3  
31<sup>st</sup> & PROSPECT DEVELOPMENT SITE**

Boring ID	Sample ID(s)	Depth Interval (ft bgs)	Latitude (°N)	Longitude (°W)	Analysis Performed
SG-1	SG-1-(4.5-5)	4.5-5	39.0709975*	-94.5529092*	VOCs via EPA Method TO-15
	SG-1-(15.5-16)	15.5-16			
SG-2	SG-2-(4.5-5)	4.5-5	39.0711196*	-94.5532839*	
	SG-2-(23.5-24)	23.5-24			
SG-3	SG-3-(4.5-5)	4-5	39.0712824*	-94.5532769*	
	SG-3-(21.5-22)	21.5-22			
SG-4	SG-4-(7.5-8)	7.5-8	39.07117	-94.55296	
	SG-4-(11.5-12)	11.5-12			
SG-5	SG-5-(4.5-5)	4.5-5	39.07105	-94.55338	
	SG-5-(16.5-17)	16.5-17			
SG-6	SG-6-(4.5-5)	4.5-5	39.07102	-94.55321	
	SG-6-(22.5-23)	22.5-23			
SG-7	SG-7-(2-2.5)	2-2.5	39.07128	-94.55321	
	SG-7-(16-16.5)	16-16.5			
SG-8	SG-8-(4.5-5)	4.5-5	39.07128	-94.55306	
	SG-8-(19.5-20)	19.5-20			

Notes:

\* Latitude and longitude at SB-1 through SB-3 were taken from the monitoring well survey performed as part of the Quarter 1 sampling event in January 2022.

Ft bgs      Feet below ground surface  
ID            Identification  
SG           Soil-gas

TO            Toxic organics  
VOC          Volatile organic compound

### 3.2.3 Quality Control Sampling

Field quality control (QC) samples for this investigation included one laboratory-supplied aqueous trip blank, one field blank, one rinsate blank collected from the water level indicator, and one groundwater field duplicate collected at MW-2. Pace analyzed the QC samples for VOCs. Analytical data from the field blanks were used to evaluate contamination of sampling containers or sample preservatives, and assess contamination potentially introduced during sampling and laboratory procedures. Results from the rinsate blank were used to evaluate cross contamination of groundwater between monitoring wells introduced by reusable equipment. One groundwater field duplicate was collected to determine total method precision. Analytical results from field duplicate samples were used to calculate the relative percent difference (RPD) between results for each reported analyte. The RPDs served informational purposes only; however, the higher concentration of each analyte in the duplicate sample pair was compared to the associated screening level. Analytical accuracy was determined via analysis of

laboratory-prepared spikes and duplicates. Calculated RPDs are included with the applicable data validation reports in Appendix C.

## 4.0 EVALUATION AND PRESENTATION OF RESULTS

The following subsections present analytical data from groundwater and soil-gas samples collected during the Phase II ESA, Quarter 3 sampling event. Groundwater and soil sample results were compared to EPA MCLs (EPA 2022), MRBCA LDTLs, and MRBCA Tier 1 RBTLs for Type 3 (clayey) residential subsurface soils. Soil-gas results were compared to the MRBCA RBTL assumed Tier 1, Residential Land Use, Soil Vapor, Indoor Inhalation, Clayey (MoDNR 2006). Copies of analytical data packages and data validation reports are in Appendix C.

### 4.1 GROUNDWATER SAMPLES

Three groundwater samples were collected, one from monitoring wells MW-1, MW-2, and MW-3. The sample from MW-2 was duplicated.

In groundwater samples collected from MW-1, MW-2, and MW-3, the laboratory detected the following COCs: benzene, *cis*-1,2-dichloroethene (DCE); *trans*-1,2-DCE; cumene; methylene chloride; PCE; and TCE.

COC exceedances included:

- MW-1: PCE and TCE concentrations exceeded the respective EPA MCLs and MRBCA LDTLs.
- MW-2: PCE and TCE concentrations exceeded the corresponding EPA MCLs, MRBCA LDTLs, and MRBCA RBTLs.
- MW-3: PCE and TCE concentrations exceeded the respective EPA MCLs and MRBCA LDTLs. *Cis*-1,2-DCE concentration exceeded the corresponding EPA MCL and MRBCA LDTL.

The MRBCA RBTL assumed clayey soil and a primary risk from vapor inhalation. No other COCs were detected at concentrations exceeding MRBCA screening levels or EPA MCLs. Table 3 below lists all detections of VOCs in groundwater. Figure 3 in Appendix A shows detections of VOCs exceeding MRBCA screening levels and/or EPA MCLs in groundwater. Tables summarizing results from previous quarterly sampling events are in Appendix D.



TABLE 3

**DETECTED VOC RESULTS FROM GROUNDWATER SAMPLES, QUARTER 3  
31<sup>st</sup> & PROSPECT DEVELOPMENT SITE**

Sample Location	Benzene	<i>cis</i> -1,2-DCE	<i>trans</i> -1,2-DCE	Cumene	PCE	TCE
	EPA MCL					
	5	70	100	NE	5	5
	MRBCA LDTL (All Soil Types, All Pathways, DWG)					
	5	70	100	330	5	5
	MRBCA RBTL (Tier 1, Residential Land Use, Groundwater, Indoor Inhalation of Vapor Encroachment, Clayey)					
	2,880	19,400	17,800	10,600	928	4,490
MW-1	<0.14	<b>1.9</b>	<b>0.12 J</b>	<0.097	<b>61.9</b>	<b>17.7</b>
MW-2	<13.6	<b>45.9 J</b>	<10.2	<9.7	<b>7,670</b>	<b>123</b>
MW-2-FD	<13.6	<12.9	<10.2	<9.7	<b>8,290</b>	<b>86.8 J</b>
MW-3	<b>3.2 J</b>	<b>107</b>	<b>1.4 J</b>	<b>1.3 J</b>	<b>528</b>	<b>198</b>

Notes:

All values are in micrograms per liter (µg/L).

**Bold** font indicates the concentration exceeds the reporting limit.

*Italic* font indicates the concentration exceeds the MCL and/or LDTL.

**Red** text indicates the concentration exceeds the RBTL.

EPA	U.S. Environmental Protection Agency
DCE	Dichloroethene
DWG	Protection for domestic groundwater use pathway
FD	Field duplicate
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
LDTL	Lowest Default Target Level
MCL	Maximum Contaminant Level
MRBCA	Missouri Risk-based Corrective Action
MW	Monitoring well
NE	Not established
PCE	Tetrachloroethene
RBTL	Risk-based Target Level
TCE	Trichloroethene
VOC	Volatile organic compound

## 4.2 SOIL-GAS SAMPLES

Sixteen soil-gas samples were collected at eight locations (two soil-gas samples at each location) to assess potential impacts on indoor air from current and historical Site activities.

VOCs were detected in all 16 soil-gas samples. Laboratory-detected COCs included 1,1-DCE; 1,2,4-trimethylbenzene (TMB); 1,3,5-TMB; 1,3-butadiene; methyl ethyl ketone (MEK); 2-propanol; 4-ethyltoluene; MIBK; acetone; benzene; carbon disulfide; carbon tetrachloride; chloromethane;

*cis*-1,2-DCE; *trans*-1,2-DCE; cyclohexane; ethylbenzene; n-heptane; n-hexane; m, p-xylene; o-xylene; propylene; styrene; PCE; tetrahydrofuran; toluene; TCE; and vinyl chloride.

No soil-gas samples reported any COCs at concentrations exceeding the corresponding MRBCA RBTL.

The MRBCA RBTL assumed Tier 1, Residential Land Use, Soil Vapor, Indoor Inhalation, Clayey.

Table 4 below lists all detections of VOCs in soil-gas samples.

TABLE 4

DETECTED VOC RESULTS FROM SOIL-GAS SAMPLES, QUARTER 3  
31<sup>st</sup> & PROSPECT DEVELOPMENT SITE

Sample Location	1,1-DCE	1,2,4-TMB	1,3,5-TMB	2-Butanone (Methyl Ethyl Ketone)	2-Propanol	4-Ethyltoluene	4-Methyl-2- pentanone	Acetone	Benzene
	MRBCA RBTL (Tier 1, Residential Land Use, Soil Vapor, Indoor Inhalation, Clayey)								
	14,500,000	521,000	521,000	352,000,000	NE	NE	NE	159,000,000	618,000
SG-1-(4.5-5)	<0.28	26.9	7.4	44.2	16.4	8.5	7.2	576	5.6
SG-1-(15.5-16)	0.37 J	14.7	4.7	51.0	7.4	5.3	4.3 J	334	21.6
SG-2-(4.5-5)	<0.21	4.6	2.6	43.3	8.7	2.3 J	1.8 J	157	11.2 J+
SG-2-(23.5-24)	11.9	7.1	2.8	90.8	3.9 J	4.3	5.2 J	162	41.7
SG-3-(4.5-5)	<0.21	9.3	4.4	34.2	13.4	3.8	1.9 J	456	12.9
SG-3-(21.5-22)	19.6	15.9	5.4	149	6.7	6.0	5.4 J	416	30.5
SG-4-(7.5-8)	<7.4	24.0 J	<13.0	<20.8	<22.8	<21.1	<14.3	385	<5.1
SG-4-(11.5-12)	5.1	11.6	3.7	9.2	6.4	6.5	2.2 J	234	5.8
SG-5-(4.5-5)	<0.20	25.1	7.0	60.5	11.6	7.3	1.9 J	5.0	3.2
SG-5-(16.5-17)	0.63 J	15.8	5.2	64.0	5.6	5.8	3.2 J	302	18.0
SG-6-(4.5-5)	<0.41	51.2	14.4	27.6	24.7	12.6	2.6 J	645	4.1
SG-6-(22.5-23)	<0.27	16.4	6.6	99.9	5.4	6.3	<0.52	339	15.2
SG-7-(2-2.5)	<0.19	15.6	5.0	40.9	45.2	4.8	<0.45	723	57.9
SG-7-(16-16.5)	<6.4	<16.5	<13.5	<21.6	<23.7	<21.9	<14.9	227 J	98.4
SG-8-(4.5-5)	<6.0	29.1 J	<12.5	<20.1	<22.0	<20.4	<13.9	592	41.4
SG-8-(19.5-20)	17.3	41.1	17.3	<0.78	13.0	16.3	<0.54	381	12,800
Sample Location	Carbon Disulfide	Carbon Tetrachloride	Chloromethane	Cis-1,2-DCE	Trans-1,2-DCE	Cyclohexane	Ethylbenzene	n-Heptane	n-Hexane
	MRBCA RBTL (Tier 1, Residential Land Use, Soil Vapor, Indoor Inhalation, Clayey)								
	43,900,000	239,000	14,100,000	3,100,000	6,450,000	NE	88,200,000	22,800,000	22,800,000
SG-1-(4.5-5)	3.9	<0.47	2.3	<0.33	1.8	4.8	12.9	<0.30	13.6
SG-1-(15.5-16)	36.5	<0.47	3.8	<0.33	0.39 J	9.0	12.7	24.4	34.2
SG-2-(4.5-5)	11.3	<0.43	0.60 J	49.7 J+	2.2	37.3 J+	3.0	94.1	47.6 J+
SG-2-(23.5-24)	29.6	<0.47	2.7	33.2 J+	2.5	23.0	8.8	<0.30	53.6
SG-3-(4.5-5)	48.3	<0.42	0.83	71.6	10.6	56.9	4.7	66.3	53.6
SG-3-(21.5-22)	64.5	<0.49	2.4	1,110	36.1	<0.39	11.5	<0.32	90.3
SG-4-(7.5-8)	<5.8	<12.5	<3.8	48.5	<7.5	<9.9	<13.8	<8.1	<8.5
SG-4-(11.5-12)	3.2	<0.43	0.95	526	2.2	1.8 J	7.4	<0.28	4.5
SG-5-(4.5-5)	1.6	<0.41	0.31 J	0.42 J	<0.25	4.5	9.4	6.9	4.8
SG-5-(16.5-17)	11.7	<0.43	1.1	7.6	<0.26	20.4	10.5	<0.28	27.6
SG-6-(4.5-5)	1.2 J	<0.83	1.1 J	<0.58	<0.50	2.3 J	19.2	4.3	3.5
SG-6-(22.5-23)	10.7	<0.45	1.8	424	3.8	443	10.1	235	97.1
SG-7-(2-2.5)	16.7	0.51 J	1.2	8.5	0.65 J	52.5	5.4	26.6	39.7
SG-7-(16-16.5)	20.5 J	<13.0	<4.0	590	<7.8	64.5 J	<14.4	55.6	76.1
SG-8-(4.5-5)	<5.6	<12.1	40.0	<8.4	<7.3	<9.5	14.4 J	20.4 J	24.6 J
SG-8-(19.5-20)	9.8	<0.47	4.6	2,300	17.6	426 J	105	458 J	816 J
Sample Location	m,p-Xylene	o-Xylene	Propylene	Styrene	PCE	Tetrahydrofuran	Toluene	TCE	Vinyl Chloride
	MRBCA RBTL (Tier 1, Residential Land Use, Soil Vapor, Indoor Inhalation, Clayey)								
	9,450,000	9,450,000	NE	91,700,000	648,000	1,430,000	367,000,000	1,770,000	300,000
SG-1-(4.5-5)	34.3	13.4	26.1	3.3	253	3.5	74.1	0.61 J	<0.15
SG-1-(15.5-16)	27.6	11.2	567 J	3.8	2.8	2.5	132	0.73 J	0.45
SG-2-(4.5-5)	8.5	3.8	67.9	4.3	127,000	<0.28	16.2	4,220	<0.13
SG-2-(23.5-24)	18.7	7.7	419 J	4.4	97,800	<0.30	87.5	913	1.8
SG-3-(4.5-5)	13.0	6.1	71.8	1.6	3,060	<0.27	22.0	186	<0.13

TABLE 4

DETECTED VOC RESULTS FROM SOIL-GAS SAMPLES, QUARTER 3  
31<sup>st</sup> & PROSPECT DEVELOPMENT SITE

Sample Location	1,1-DCE	1,2,4-TMB	1,3,5-TMB	2-Butanone (Methyl Ethyl Ketone)	2-Propanol	4-Ethyltoluene	4-Methyl-2-pentanone	Acetone	Benzene
	MRBCA RBTL (Tier 1, Residential Land Use, Soil Vapor, Indoor Inhalation, Clayey)								
	14,500,000	521,000	521,000	352,000,000	NE	NE	NE	159,000,000	618,000
SG-3-(21.5-22)	26.8	10.7	628	3.4	11,500	<0.32	83.4	6,600	19.2
SG-4-(7.5-8)	46.3 J	16.7 J	30.1 J	<17.2	1,260	<8.0	136	1,070	<3.9
SG-4-(11.5-12)	19.8	7.7	25.0	3.3	15,100	<0.28	80.0	12,200	2.5
SG-5-(4.5-5)	26.3	10.9	38.2	2.3	2,900	2.5	36.9	6.7	<0.13
SG-5-(16.5-17)	28.0	11.5	215	4.0	1,700	<0.28	96.6	103	0.22 J
SG-6-(4.5-5)	70.1	27.3	40.6	4.5	287	4.5	123	3.4	<0.26
SG-6-(22.5-23)	24.2	9.8	313	3.7	3,010	<0.29	59.8	831	2.7
SG-7-(2-2.5)	15.8	5.8	66.1	5.1	1,280	3.8	25.2	99.0	<0.12
SG-7-(16-16.5)	<29.9	<12.6	104	<17.9	32,800	21.0 J	94.2	4,540	<4.0
SG-8-(4.5-5)	48.1 J	19.6 J	110	<16.6	1,560	<7.8	118	85.8	<3.7
SG-8-(19.5-20)	90.1	9.1	133 J	2.9	19,400	<0.30	95.1	16,700	6.2

Notes:

All values are in micrograms per cubic meter.

Bold font indicates concentration exceeds the reporting limit.

DCE        Dichloroethene  
J         Estimated concentration above the method detection limit and below the reporting limit  
MRBCA    Missouri Risk-based Corrective Action  
NE        Not established  
PCE       Tetrachloroethene  
RBTL      Risk-based Target Level  
SG        Soil-gas  
TCE       Trichloroethene  
TMB       Trimethylbenzene  
VOC       Volatile organic compound

#### 4.3 QUALITY CONTROL SAMPLES

Pace analyzed QC samples for VOCs. No VOCs were detected in the rinsate blank or the field blank. The trip blank contained methylene chloride, a common laboratory contaminant, at an estimated concentration between the method detection limit and the reporting limit. Methylene chloride also was detected in the field sample collected from location MW-3; however, it was qualified as not detected upon data validation review.

Calculated RPDs between data from groundwater sample MW-2 and duplicate MW-2-FD indicated good precision. All analytes were within acceptance limits, qualifying those data as reliable.

## 5.0 DISCUSSION OF SIGNIFICANT FINDINGS AND CONCLUSIONS

This section summarizes significant findings and offers conclusions regarding the Phase II ESA, Quarter 3 sampling event.

All groundwater samples collected at the Site had low to moderate concentrations of COCs. The laboratory detected the following COCs: benzene, *cis*-1,2-DCE; *trans*-1,2-DCE; isopropylbenzene (cumene); methylene chloride; PCE; and TCE. COC exceedances included:

- MW-1: PCE and TCE concentrations exceeded the respective EPA MCLs and MRBCA LDTLs.
- MW-2: PCE and TCE concentrations exceeded the corresponding EPA MCLs, MRBCA LDTLs, and MRBCA RBTLs.
- MW-3: PCE and TCE concentrations exceeded the respective EPA MCLs and MRBCA LDTLs. *Cis*-1,2-DCE concentration exceeded the corresponding EPA MCL and MRBCA LDTL.

The MRBCA RBTL assumed clayey soil and a primary risk from vapor inhalation. No other COCs were detected at concentrations exceeding MRBCA screening levels or EPA MCLs.

VOCs were detected in all 16 soil-gas samples. Laboratory-detected chemicals of concern included 1,1-DCE; 1,2,4-TMB; 1,3,5-TMB; 1,3-butadiene; MEK; 2-propanol; 4-ethyltoluene; 4-Methyl-2-pentanone (MIBK); benzene; carbon disulfide; carbon tetrachloride; chloromethane; *cis*-1,2-DCE; *trans*-1,2-DCE; cyclohexane; ethylbenzene; n-heptane; n-hexane; m, p-xylene; o-xylene; propylene; styrene; PCE; tetrahydrofuran; toluene; TCE; and vinyl chloride.

No soil-gas samples reported any COCs at concentrations exceeding the corresponding MRBCA RBTL screening level. The MRBCA RBTL assumed Tier 1, Residential Land Use, Soil Vapor, Indoor Inhalation, Clayey.

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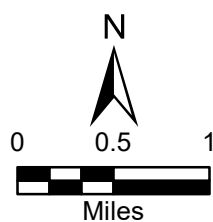
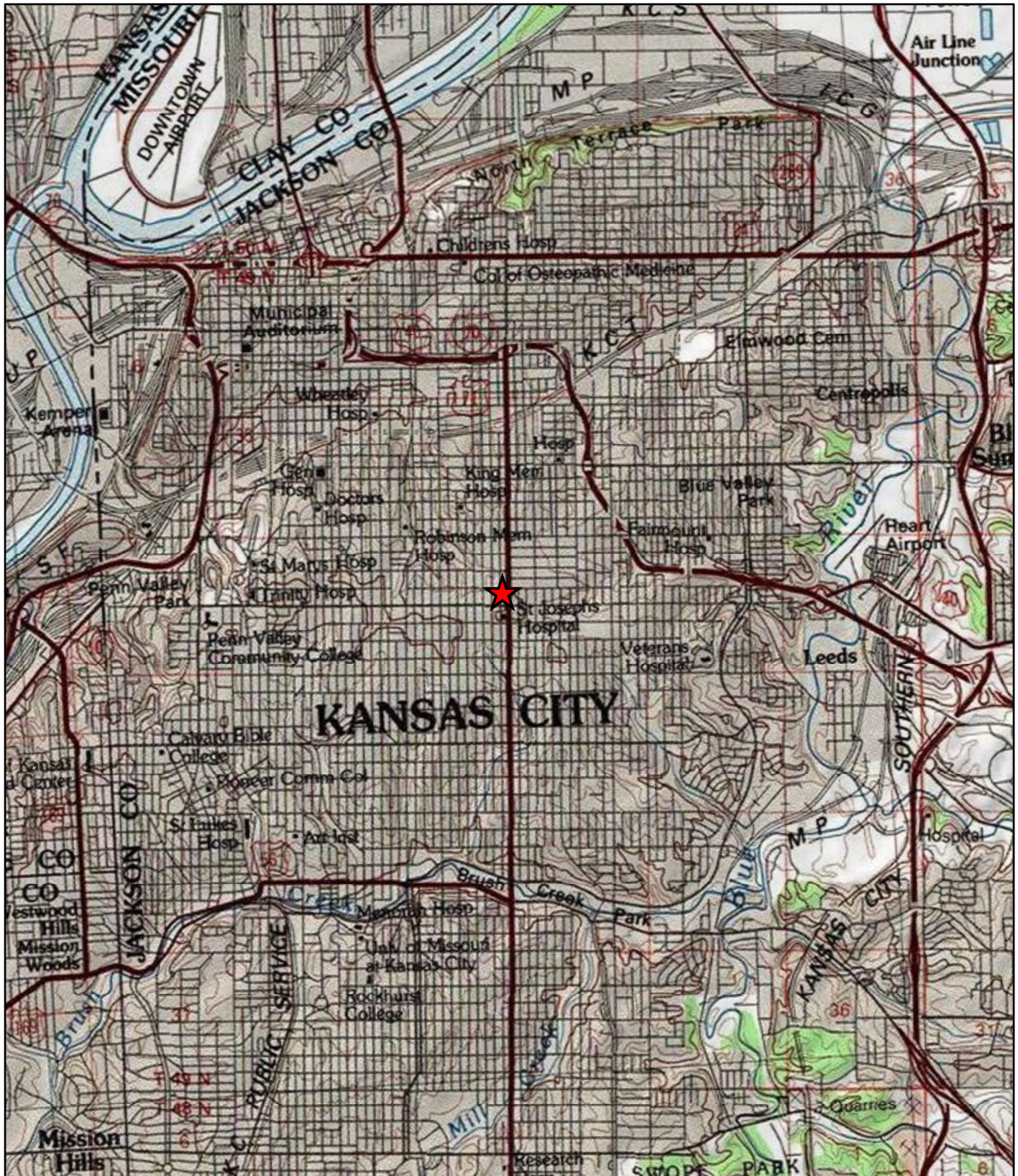
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## **APPENDIX A**

### **FIGURES**





31st & Prospect Development  
Site Kansas City, Missouri

**Figure 1**  
Site Location Map



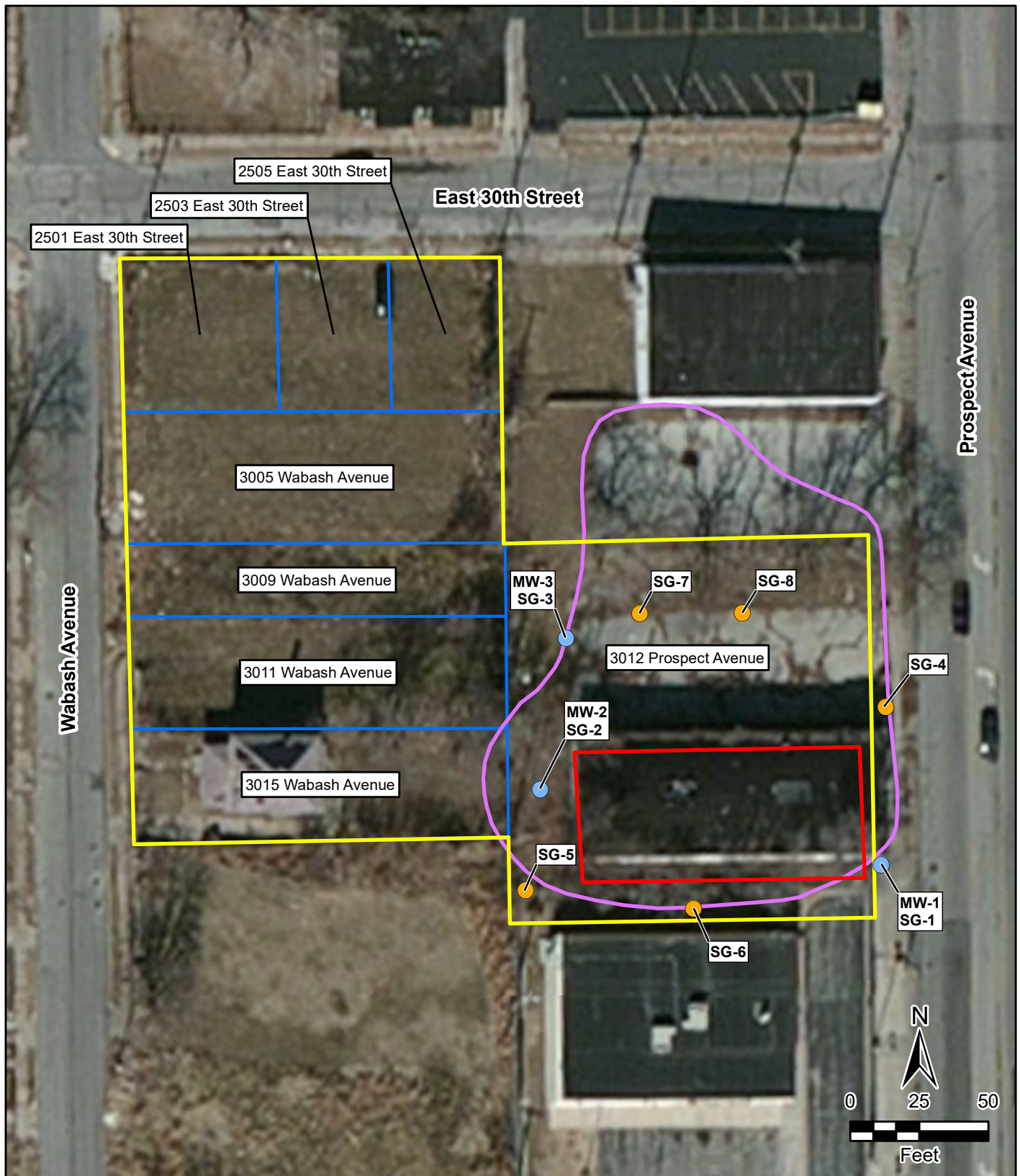
Source: Esri, ArcGIS Online, USA Topo Maps, 2013

Date: 8/18/2021

Drawn By: Rachel Page

Project No: 103G65210190 08 03





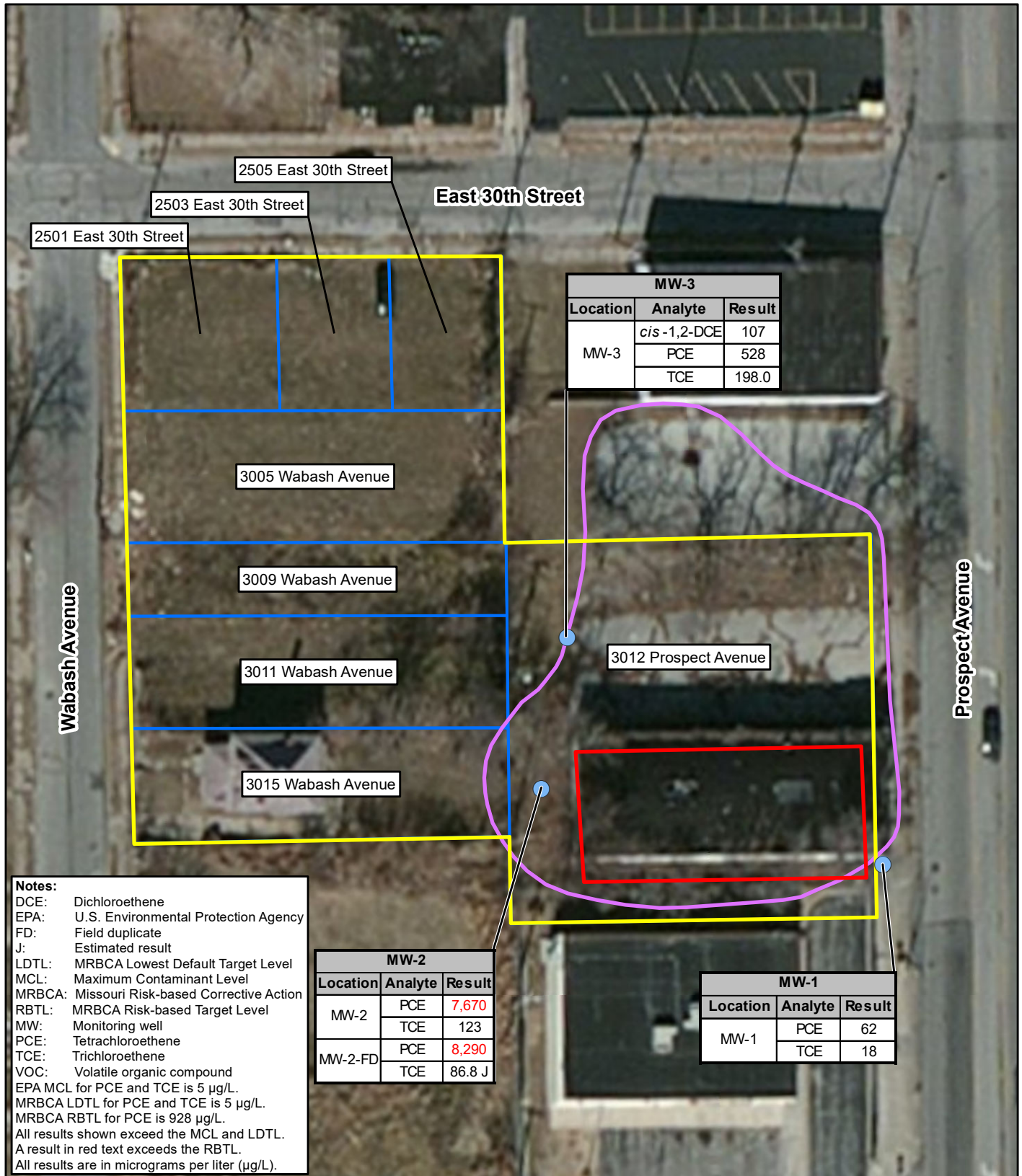
#### Legend

- Monitoring well /soil gas sample location
- Soil gas sample location
- Area of soil and groundwater contamination
- Former dry cleaning facility
- Site boundary
- Parcel

31st & Prospect Development Site  
Kansas City, Missouri

**Figure 2**  
Sample Location Map  
(Quarter 3 Sampling Event)

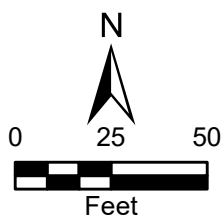




**Notes:**  
DCE: Dichloroethene  
EPA: U.S. Environmental Protection Agency  
FD: Field duplicate  
J: Estimated result  
LDTL: MRBCA Lowest Default Target Level  
MCL: Maximum Contaminant Level  
MRBCA: Missouri Risk-based Corrective Action  
RBTL: MRBCA Risk-based Target Level  
MW: Monitoring well  
PCE: Tetrachloroethene  
TCE: Trichloroethene  
VOC: Volatile organic compound  
EPA MCL for PCE and TCE is 5 µg/L.  
MRBCA LDTL for PCE and TCE is 5 µg/L.  
MRBCA RBTL for PCE is 928 µg/L.  
All results shown exceed the MCL and LDTL.  
A result in red text exceeds the RBTL.  
All results are in micrograms per liter (µg/L).

#### Legend

- Monitoring well sample location
- Area of soil and groundwater contamination
- Former dry cleaning facility
- Site boundary
- Parcel



31st & Prospect Development Site  
Kansas City, Missouri

**Figure 3**  
VOC Exceedances in Groundwater  
(Quarter 3 Sampling Event)



## **APPENDIX B**

### **LOGBOOK**



7/8/22

0730 Zach Usher, Thomas Kaley,  
and Macy LaMarey on-site  
at 31<sup>st</sup> and Prospect site to  
perform 3<sup>rd</sup> Quarter  
Gw sampling. ——— ML

0732 on site opening MW-3  
TD: 21.24 bgs DTW: 13.4<sup>L</sup> bgs  
opening MW-2  
TD: 24.94 bgs DTW: 13.75 bgs  
opening MW-1  
TD: 21.8 bgs DTW: 12.44 bgs

0815 MW-3:

Well volume: 1.33 gal.

1<sup>st</sup> V: Temp: 19.38 ORP: 141  
pH: 8.73 DO: 90.2

Sp Con: 1.96 Turb: 719

2<sup>nd</sup> V: Temp: 17.71 ORP: 141  
pH: 7.47 DO: 10.95

Sp Con: 2.04 Turb: 1000

3<sup>rd</sup> V: Temp: 20.68 ORP: 155  
pH: 7.19 DO: 10.93

Sp Con: 2.23 Turb: 1000

Bailed dry

0845 collected sample MW-3

0850

moved to MW-2 ——— ML

MW-2

1 well volume: 1.83 gal

1st v: Temp: 17.91 ORP: 168  
 pH: 7.48 DO: 9.65  
 spcon: 1.51 Turb: 474

2nd v: Temp: 16.93 ORP: 175  
 pH: 7.31 DO: 9.53  
 spcon: 1.47 Turb: 713

3rd v: Temp: 16.39 ORP: 178  
 pH: 7.17 ~~DO~~: 8.15  
 spcon: 1.47 Turb: 1000

4th v: Temp: 15.83 ORP: 179  
 pH: 7.08 DO: 6.98  
 spcon: 1.49 Turb: 961

0915 collected sample MW-2 and  
 a field duplicate MW-2-FD

0945 Moved to MW-1 — ml  
 MW-1

1 well volume: 1.53 gal

1st v: Temp: 21.82 ORP: 180  
 pH: 6.81 DO: ~~8.15~~  
 spcon: 2.66 Turb: 265

2nd v: Temp: 20.38 ORP: 190  
 pH: 6.91 DO: 11.01  
 spcon: 2.76 Turb: 378

3rd v: Temp: 18.95 ORP: 188

pH: 6.80 DO: 9.20

spcon: 2.84 Turb: 303

4th v: Temp: 18.67 ORP: 194

pH: 6.59 DO: 7.74

spcon: 2.87 Turb: 302

1000 collected sample MW-1 — ml1010 collected rinse blank — ml1020 collected field blank — ml1110 Added Trip Blank to cooler

All samples on ice — ml

SG-6: start 0945 - ~~1012~~ 1020

SG-7: 1022 - 1100

2-2.5 bgs

3 inches water, added sand → 16.5 bgs

SG-3 1102 - 1144

5 bgs

22 bgs

hit water

SG-2 1322 - 1358

refusal at 24 ft 5 ft

SG-5 1400 - 1434

17 5

SG-6 1436 - 1512

23



~~1SG-1-(15.5-16) 0930 - 30/-3 Can 801~~  
~~4SG-4-(1.5-8) 0950 - 30/-2 Can 2124~~  
~~3SG-4-(11.5-12) 0945 - 30/-4 Can 981~~  
~~2SG-1-(4.5-5) 0935 - 30/-5 Can 3108~~  
~~5SG-7-(2-2.5) 1105 - 30/-3 Can 1246~~  
~~1SG-7-(16-16.5) 1100 - 30/-12 Can 2,664~~  
~~5SG-8-(14.5-20) 1020 - 30/-4 Can 4022~~  
~~8SG-8-(4.5-5) 1025 - 30/-2 Can 3212~~  
~~1SG-3-(21.5-22) 1140 - 30/-5 Can 3803~~  
~~10SG-2-(4.5-5) 1405 - 30/-4 Can 3398~~  
~~7SG-2-(23.5-24) 1400 - 30/-4 Can 3186~~  
~~2SG-3-(4.5-5) 1145 - 30/-2 Can 3184~~  
~~6SG-6-(4.5-5) 1515 - 30/-2 Can 2382~~  
~~4SG-5-(4.5-5) 1410 - 30/-1 Can 3583~~  
~~10SG-5-(16.5-17) 1435 - 30/-4 Can 332~~  
15SG-6-(22.5-23) 1510 - 30/-4 Can 542

## **APPENDIX C**

### **ANALYTICAL DATA PACKAGES AND DATA VALIDATION REPORTS**

August 03, 2022

Emily Fisher  
TETRA TECH EMI  
415 Oak  
Kansas City, MO 64106

RE: Project: 31st and Prospect  
Pace Project No.: 60406092

Dear Emily Fisher:

Enclosed are the analytical results for sample(s) received by the laboratory on July 19, 2022. 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,



Jamie Church  
jamie.church@pacelabs.com  
314-838-7223  
Project Manager

Enclosures

cc: Stephanie Caples, Tetra Tech EMI



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: 31st and Prospect

Pace Project No.: 60406092

### **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 Approval: via MN 027-053-137

Minnesota Petrofund Registration #: 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 (A2LA) #: R-036

North Dakota Certification (MN) #: 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 (\*).

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 31st and Prospect

Pace Project No.: 60406092

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60406092001	SG-1-(15.5-16)	Air	07/08/22 09:30	07/19/22 09:50
60406092002	SG-1-(4.5-5)	Air	07/08/22 09:35	07/19/22 09:50
60406092003	SG-4-(11.5-12)	Air	07/08/22 09:40	07/19/22 09:50
60406092004	SG-4-(7.5-8)	Air	07/08/22 09:50	07/19/22 09:50
60406092005	SG-8-(19.5-20)	Air	07/08/22 10:20	07/19/22 09:50
60406092006	SG-8-(4.5-5)	Air	07/08/22 10:25	07/19/22 09:50
60406092007	SG-7-(16-16.5)	Air	07/08/22 11:00	07/19/22 09:50
60406092008	SG-7-(2-2.5)	Air	07/08/22 11:05	07/19/22 09:50
60406092009	SG-2-(23.5-24)	Air	07/08/22 14:00	07/19/22 09:50
60406092010	SG-2-(4.5-5)	Air	07/08/22 14:05	07/19/22 09:50
60406092011	SG-3-(21.5-22)	Air	07/08/22 11:40	07/19/22 09:50
60406092012	SG-3-(4.5-5)	Air	07/08/22 11:45	07/19/22 09:50
60406092013	SG-5-(16.6-17)	Air	07/08/22 14:35	07/19/22 09:50
60406092014	SG-5-(4.5-5)	Air	07/08/22 14:40	07/19/22 09:50
60406092015	SG-6-(22.5-23)	Air	07/08/22 15:10	07/19/22 09:50
60406092016	SG-6-(4.5-5)	Air	07/08/22 15:15	07/19/22 09:50

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: 31st and Prospect

Pace Project No.: 60406092

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60406092001	SG-1-(15.5-16)	TO-15	AFV	61	PASI-M
60406092002	SG-1-(4.5-5)	TO-15	AFV	61	PASI-M
60406092003	SG-4-(11.5-12)	TO-15	AFV	61	PASI-M
60406092004	SG-4-(7.5-8)	TO-15	AFV	61	PASI-M
60406092005	SG-8-(19.5-20)	TO-15	AFV	61	PASI-M
60406092006	SG-8-(4.5-5)	TO-15	AFV	61	PASI-M
60406092007	SG-7-(16-16.5)	TO-15	AFV, AJA	61	PASI-M
60406092008	SG-7-(2-2.5)	TO-15	AFV	61	PASI-M
60406092009	SG-2-(23.5-24)	TO-15	AFV	61	PASI-M
60406092010	SG-2-(4.5-5)	TO-15	AFV	61	PASI-M
60406092011	SG-3-(21.5-22)	TO-15	AFV	61	PASI-M
60406092012	SG-3-(4.5-5)	TO-15	AFV	61	PASI-M
60406092013	SG-5-(16.6-17)	TO-15	AFV	61	PASI-M
60406092014	SG-5-(4.5-5)	TO-15	AFV	61	PASI-M
60406092015	SG-6-(22.5-23)	TO-15	AFV	61	PASI-M
60406092016	SG-6-(4.5-5)	TO-15	AJA	61	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

**Sample:** SG-1-(15.5-16) **Lab ID:** 60406092001 **Collected:** 07/08/22 09:30 **Received:** 07/19/22 09:50 **Matrix:** Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	334	ug/m3	10.1	3.0	1.68		07/29/22 20:45	67-64-1	
Benzene	21.6	ug/m3	0.55	0.19	1.68		07/29/22 20:45	71-43-2	
Benzyl chloride	<1.5	ug/m3	4.4	1.5	1.68		07/29/22 20:45	100-44-7	
Bromodichloromethane	<0.40	ug/m3	2.3	0.40	1.68		07/29/22 20:45	75-27-4	
Bromoform	<2.7	ug/m3	8.8	2.7	1.68		07/29/22 20:45	75-25-2	
Bromomethane	<0.25	ug/m3	1.3	0.25	1.68		07/29/22 20:45	74-83-9	
1,3-Butadiene	<0.20	ug/m3	0.76	0.20	1.68		07/29/22 20:45	106-99-0	
2-Butanone (MEK)	51.0	ug/m3	5.0	0.78	1.68		07/29/22 20:45	78-93-3	
Carbon disulfide	36.5	ug/m3	1.1	0.22	1.68		07/29/22 20:45	75-15-0	
Carbon tetrachloride	<0.47	ug/m3	2.2	0.47	1.68		07/29/22 20:45	56-23-5	
Chlorobenzene	<0.26	ug/m3	1.6	0.26	1.68		07/29/22 20:45	108-90-7	
Chloroethane	0.45J	ug/m3	0.90	0.38	1.68		07/29/22 20:45	75-00-3	
Chloroform	<0.31	ug/m3	0.83	0.31	1.68		07/29/22 20:45	67-66-3	
Chloromethane	3.8	ug/m3	0.71	0.14	1.68		07/29/22 20:45	74-87-3	
Cyclohexane	9.0	ug/m3	2.9	0.37	1.68		07/29/22 20:45	110-82-7	
Dibromochloromethane	<0.87	ug/m3	7.3	0.87	1.68		07/29/22 20:45	124-48-1	
1,2-Dibromoethane (EDB)	<0.50	ug/m3	1.3	0.50	1.68		07/29/22 20:45	106-93-4	
1,2-Dichlorobenzene	<0.68	ug/m3	5.1	0.68	1.68		07/29/22 20:45	95-50-1	
1,3-Dichlorobenzene	<0.86	ug/m3	5.1	0.86	1.68		07/29/22 20:45	541-73-1	
1,4-Dichlorobenzene	2.6J	ug/m3	5.1	1.5	1.68		07/29/22 20:45	106-46-7	
Dichlorodifluoromethane	2.6	ug/m3	1.7	0.32	1.68		07/29/22 20:45	75-71-8	
1,1-Dichloroethane	<0.28	ug/m3	1.4	0.28	1.68		07/29/22 20:45	75-34-3	
1,2-Dichloroethane	<0.33	ug/m3	1.4	0.33	1.68		07/29/22 20:45	107-06-2	
1,1-Dichloroethene	0.37J	ug/m3	1.4	0.23	1.68		07/29/22 20:45	75-35-4	
cis-1,2-Dichloroethene	<0.33	ug/m3	1.4	0.33	1.68		07/29/22 20:45	156-59-2	
trans-1,2-Dichloroethene	0.39J	ug/m3	1.4	0.28	1.68		07/29/22 20:45	156-60-5	
1,2-Dichloropropane	<0.45	ug/m3	1.6	0.45	1.68		07/29/22 20:45	78-87-5	
cis-1,3-Dichloropropene	<0.43	ug/m3	3.9	0.43	1.68		07/29/22 20:45	10061-01-5	
trans-1,3-Dichloropropene	<0.91	ug/m3	3.9	0.91	1.68		07/29/22 20:45	10061-02-6	
Dichlorotetrafluoroethane	<0.34	ug/m3	2.4	0.34	1.68		07/29/22 20:45	76-14-2	
Ethanol	80.1	ug/m3	3.2	0.99	1.68		07/29/22 20:45	64-17-5	
Ethyl acetate	2.0	ug/m3	1.2	0.22	1.68		07/29/22 20:45	141-78-6	
Ethylbenzene	12.7	ug/m3	1.5	0.52	1.68		07/29/22 20:45	100-41-4	
4-Ethyltoluene	5.3	ug/m3	4.2	0.79	1.68		07/29/22 20:45	622-96-8	
n-Heptane	24.4	ug/m3	1.4	0.30	1.68		07/29/22 20:45	142-82-5	
Hexachloro-1,3-butadiene	<2.1	ug/m3	9.1	2.1	1.68		07/29/22 20:45	87-68-3	
n-Hexane	34.2	ug/m3	1.2	0.32	1.68		07/29/22 20:45	110-54-3	
2-Hexanone	4.2J	ug/m3	7.0	0.74	1.68		07/29/22 20:45	591-78-6	
Methylene Chloride	<1.0	ug/m3	5.9	1.0	1.68		07/29/22 20:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	4.3J	ug/m3	7.0	0.54	1.68		07/29/22 20:45	108-10-1	
Methyl-tert-butyl ether	<0.21	ug/m3	6.1	0.21	1.68		07/29/22 20:45	1634-04-4	
Naphthalene	3.7J	ug/m3	4.5	3.6	1.68		07/29/22 20:45	91-20-3	
2-Propanol	7.4	ug/m3	4.2	0.86	1.68		07/29/22 20:45	67-63-0	
Propylene	567	ug/m3	1.5	0.22	1.68		07/29/22 20:45	115-07-1	E
Styrene	3.8	ug/m3	1.5	0.65	1.68		07/29/22 20:45	100-42-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

**Sample:** SG-1-(15.5-16) **Lab ID:** 60406092001 **Collected:** 07/08/22 09:30 **Received:** 07/19/22 09:50 **Matrix:** Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<0.62	ug/m3	2.4	0.62	1.68		07/29/22 20:45	79-34-5	
Tetrachloroethene	2.8	ug/m3	1.2	0.49	1.68		08/01/22 15:55	127-18-4	
Tetrahydrofuran	2.5	ug/m3	1.0	0.30	1.68		07/29/22 20:45	109-99-9	
Toluene	132	ug/m3	1.3	0.41	1.68		07/29/22 20:45	108-88-3	
1,2,4-Trichlorobenzene	<8.2	ug/m3	12.7	8.2	1.68		07/29/22 20:45	120-82-1	
1,1,1-Trichloroethane	<0.31	ug/m3	1.9	0.31	1.68		07/29/22 20:45	71-55-6	
1,1,2-Trichloroethane	<0.33	ug/m3	0.93	0.33	1.68		07/29/22 20:45	79-00-5	
Trichloroethene	0.73J	ug/m3	0.92	0.33	1.68		07/29/22 20:45	79-01-6	
Trichlorofluoromethane	2.1	ug/m3	1.9	0.39	1.68		07/29/22 20:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.98J	ug/m3	2.6	0.49	1.68		07/29/22 20:45	76-13-1	
1,2,4-Trimethylbenzene	14.7	ug/m3	1.7	0.59	1.68		07/29/22 20:45	95-63-6	
1,3,5-Trimethylbenzene	4.7	ug/m3	1.7	0.49	1.68		07/29/22 20:45	108-67-8	
Vinyl acetate	<0.35	ug/m3	1.2	0.35	1.68		07/29/22 20:45	108-05-4	
Vinyl chloride	0.45	ug/m3	0.44	0.15	1.68		07/29/22 20:45	75-01-4	
m&p-Xylene	27.6	ug/m3	3.0	1.1	1.68		07/29/22 20:45	179601-23-1	
o-Xylene	11.2	ug/m3	1.5	0.46	1.68		07/29/22 20:45	95-47-6	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: **SG-1-(4.5-5)** Lab ID: **60406092002** Collected: 07/08/22 09:35 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	576	ug/m3	10.1	3.0	1.68		07/29/22 21:21	67-64-1	
Benzene	5.6	ug/m3	0.55	0.19	1.68		07/29/22 21:21	71-43-2	
Benzyl chloride	<1.5	ug/m3	4.4	1.5	1.68		07/29/22 21:21	100-44-7	
Bromodichloromethane	<0.40	ug/m3	2.3	0.40	1.68		07/29/22 21:21	75-27-4	
Bromoform	<2.7	ug/m3	8.8	2.7	1.68		07/29/22 21:21	75-25-2	
Bromomethane	<0.25	ug/m3	1.3	0.25	1.68		07/29/22 21:21	74-83-9	
1,3-Butadiene	<0.20	ug/m3	0.76	0.20	1.68		07/29/22 21:21	106-99-0	
2-Butanone (MEK)	44.2	ug/m3	5.0	0.78	1.68		07/29/22 21:21	78-93-3	
Carbon disulfide	3.9	ug/m3	1.1	0.22	1.68		07/29/22 21:21	75-15-0	
Carbon tetrachloride	<0.47	ug/m3	2.2	0.47	1.68		07/29/22 21:21	56-23-5	
Chlorobenzene	<0.26	ug/m3	1.6	0.26	1.68		07/29/22 21:21	108-90-7	
Chloroethane	0.40J	ug/m3	0.90	0.38	1.68		07/29/22 21:21	75-00-3	
Chloroform	1.9	ug/m3	0.83	0.31	1.68		07/29/22 21:21	67-66-3	
Chloromethane	2.3	ug/m3	0.71	0.14	1.68		07/29/22 21:21	74-87-3	
Cyclohexane	4.8	ug/m3	2.9	0.37	1.68		07/29/22 21:21	110-82-7	
Dibromochloromethane	<0.87	ug/m3	7.3	0.87	1.68		07/29/22 21:21	124-48-1	
1,2-Dibromoethane (EDB)	<0.50	ug/m3	1.3	0.50	1.68		07/29/22 21:21	106-93-4	
1,2-Dichlorobenzene	<0.68	ug/m3	5.1	0.68	1.68		07/29/22 21:21	95-50-1	
1,3-Dichlorobenzene	1.3J	ug/m3	5.1	0.86	1.68		07/29/22 21:21	541-73-1	
1,4-Dichlorobenzene	3.1J	ug/m3	5.1	1.5	1.68		07/29/22 21:21	106-46-7	
Dichlorodifluoromethane	2.2	ug/m3	1.7	0.32	1.68		07/29/22 21:21	75-71-8	
1,1-Dichloroethane	<0.28	ug/m3	1.4	0.28	1.68		07/29/22 21:21	75-34-3	
1,2-Dichloroethane	<0.33	ug/m3	1.4	0.33	1.68		07/29/22 21:21	107-06-2	
1,1-Dichloroethene	<0.23	ug/m3	1.4	0.23	1.68		07/29/22 21:21	75-35-4	
cis-1,2-Dichloroethene	<0.33	ug/m3	1.4	0.33	1.68		07/29/22 21:21	156-59-2	
trans-1,2-Dichloroethene	1.8	ug/m3	1.4	0.28	1.68		07/29/22 21:21	156-60-5	
1,2-Dichloropropane	<0.45	ug/m3	1.6	0.45	1.68		07/29/22 21:21	78-87-5	
cis-1,3-Dichloropropene	<0.43	ug/m3	3.9	0.43	1.68		07/29/22 21:21	10061-01-5	
trans-1,3-Dichloropropene	<0.91	ug/m3	3.9	0.91	1.68		07/29/22 21:21	10061-02-6	
Dichlorotetrafluoroethane	<0.34	ug/m3	2.4	0.34	1.68		07/29/22 21:21	76-14-2	
Ethanol	145	ug/m3	3.2	0.99	1.68		07/29/22 21:21	64-17-5	
Ethyl acetate	4.3	ug/m3	1.2	0.22	1.68		07/29/22 21:21	141-78-6	
Ethylbenzene	12.9	ug/m3	1.5	0.52	1.68		07/29/22 21:21	100-41-4	
4-Ethyltoluene	8.5	ug/m3	4.2	0.79	1.68		07/29/22 21:21	622-96-8	
n-Heptane	<0.30	ug/m3	1.4	0.30	1.68		07/29/22 21:21	142-82-5	
Hexachloro-1,3-butadiene	<2.1	ug/m3	9.1	2.1	1.68		07/29/22 21:21	87-68-3	
n-Hexane	13.6	ug/m3	1.2	0.32	1.68		07/29/22 21:21	110-54-3	
2-Hexanone	5.0J	ug/m3	7.0	0.74	1.68		07/29/22 21:21	591-78-6	
Methylene Chloride	<1.0	ug/m3	5.9	1.0	1.68		07/29/22 21:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.2	ug/m3	7.0	0.54	1.68		07/29/22 21:21	108-10-1	
Methyl-tert-butyl ether	<0.21	ug/m3	6.1	0.21	1.68		07/29/22 21:21	1634-04-4	
Naphthalene	5.4	ug/m3	4.5	3.6	1.68		07/29/22 21:21	91-20-3	
2-Propanol	16.4	ug/m3	4.2	0.86	1.68		07/29/22 21:21	67-63-0	
Propylene	26.1	ug/m3	1.5	0.22	1.68		07/29/22 21:21	115-07-1	
Styrene	3.3	ug/m3	1.5	0.65	1.68		07/29/22 21:21	100-42-5	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: **SG-1-(4.5-5)** Lab ID: **60406092002** Collected: 07/08/22 09:35 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<0.62	ug/m3	2.4	0.62	1.68		07/29/22 21:21	79-34-5	
Tetrachloroethene	253	ug/m3	1.2	0.49	1.68		07/29/22 21:21	127-18-4	
Tetrahydrofuran	3.5	ug/m3	1.0	0.30	1.68		07/29/22 21:21	109-99-9	
Toluene	74.1	ug/m3	1.3	0.41	1.68		07/29/22 21:21	108-88-3	
1,2,4-Trichlorobenzene	<8.2	ug/m3	12.7	8.2	1.68		07/29/22 21:21	120-82-1	
1,1,1-Trichloroethane	<0.31	ug/m3	1.9	0.31	1.68		07/29/22 21:21	71-55-6	
1,1,2-Trichloroethane	<0.33	ug/m3	0.93	0.33	1.68		07/29/22 21:21	79-00-5	
Trichloroethene	0.61J	ug/m3	0.92	0.33	1.68		07/29/22 21:21	79-01-6	
Trichlorofluoromethane	1.7J	ug/m3	1.9	0.39	1.68		07/29/22 21:21	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.82J	ug/m3	2.6	0.49	1.68		07/29/22 21:21	76-13-1	
1,2,4-Trimethylbenzene	26.9	ug/m3	1.7	0.59	1.68		07/29/22 21:21	95-63-6	
1,3,5-Trimethylbenzene	7.4	ug/m3	1.7	0.49	1.68		07/29/22 21:21	108-67-8	
Vinyl acetate	<0.35	ug/m3	1.2	0.35	1.68		07/29/22 21:21	108-05-4	
Vinyl chloride	<0.15	ug/m3	0.44	0.15	1.68		07/29/22 21:21	75-01-4	
m&p-Xylene	34.3	ug/m3	3.0	1.1	1.68		07/29/22 21:21	179601-23-1	
o-Xylene	13.4	ug/m3	1.5	0.46	1.68		07/29/22 21:21	95-47-6	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: **SG-4-(11.5-12)** Lab ID: **60406092003** Collected: 07/08/22 09:40 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	234	ug/m3	9.4	2.8	1.55		07/29/22 21:58	67-64-1	
Benzene	5.8	ug/m3	0.50	0.18	1.55		07/29/22 21:58	71-43-2	
Benzyl chloride	<1.4	ug/m3	4.1	1.4	1.55		07/29/22 21:58	100-44-7	
Bromodichloromethane	<0.37	ug/m3	2.1	0.37	1.55		07/29/22 21:58	75-27-4	
Bromoform	<2.5	ug/m3	8.1	2.5	1.55		07/29/22 21:58	75-25-2	
Bromomethane	<0.23	ug/m3	1.2	0.23	1.55		07/29/22 21:58	74-83-9	
1,3-Butadiene	<0.19	ug/m3	0.70	0.19	1.55		07/29/22 21:58	106-99-0	
2-Butanone (MEK)	9.2	ug/m3	4.6	0.72	1.55		07/29/22 21:58	78-93-3	
Carbon disulfide	3.2	ug/m3	0.98	0.20	1.55		07/29/22 21:58	75-15-0	
Carbon tetrachloride	<0.43	ug/m3	2.0	0.43	1.55		07/29/22 21:58	56-23-5	
Chlorobenzene	<0.24	ug/m3	1.5	0.24	1.55		07/29/22 21:58	108-90-7	
Chloroethane	<0.35	ug/m3	0.83	0.35	1.55		07/29/22 21:58	75-00-3	
Chloroform	0.80	ug/m3	0.77	0.28	1.55		07/29/22 21:58	67-66-3	
Chloromethane	0.95	ug/m3	0.65	0.13	1.55		07/29/22 21:58	74-87-3	
Cyclohexane	1.8J	ug/m3	2.7	0.34	1.55		07/29/22 21:58	110-82-7	
Dibromochloromethane	<0.80	ug/m3	6.7	0.80	1.55		07/29/22 21:58	124-48-1	
1,2-Dibromoethane (EDB)	<0.46	ug/m3	1.2	0.46	1.55		07/29/22 21:58	106-93-4	
1,2-Dichlorobenzene	<0.63	ug/m3	4.7	0.63	1.55		07/29/22 21:58	95-50-1	
1,3-Dichlorobenzene	<0.79	ug/m3	4.7	0.79	1.55		07/29/22 21:58	541-73-1	
1,4-Dichlorobenzene	2.8J	ug/m3	4.7	1.4	1.55		07/29/22 21:58	106-46-7	
Dichlorodifluoromethane	2.3	ug/m3	1.6	0.29	1.55		07/29/22 21:58	75-71-8	
1,1-Dichloroethane	<0.26	ug/m3	1.3	0.26	1.55		07/29/22 21:58	75-34-3	
1,2-Dichloroethane	<0.30	ug/m3	1.3	0.30	1.55		07/29/22 21:58	107-06-2	
1,1-Dichloroethene	5.1	ug/m3	1.2	0.21	1.55		07/29/22 21:58	75-35-4	
cis-1,2-Dichloroethene	526	ug/m3	300	72.5	372		08/01/22 20:46	156-59-2	
trans-1,2-Dichloroethene	2.2	ug/m3	1.2	0.26	1.55		07/29/22 21:58	156-60-5	
1,2-Dichloropropane	<0.42	ug/m3	1.5	0.42	1.55		07/29/22 21:58	78-87-5	
cis-1,3-Dichloropropene	<0.40	ug/m3	3.6	0.40	1.55		07/29/22 21:58	10061-01-5	
trans-1,3-Dichloropropene	<0.84	ug/m3	3.6	0.84	1.55		07/29/22 21:58	10061-02-6	
Dichlorotetrafluoroethane	<0.31	ug/m3	2.2	0.31	1.55		07/29/22 21:58	76-14-2	
Ethanol	41.3	ug/m3	3.0	0.92	1.55		07/29/22 21:58	64-17-5	
Ethyl acetate	<0.20	ug/m3	1.1	0.20	1.55		07/29/22 21:58	141-78-6	
Ethylbenzene	7.4	ug/m3	1.4	0.48	1.55		07/29/22 21:58	100-41-4	
4-Ethyltoluene	6.5	ug/m3	3.9	0.73	1.55		07/29/22 21:58	622-96-8	
n-Heptane	<0.28	ug/m3	1.3	0.28	1.55		07/29/22 21:58	142-82-5	
Hexachloro-1,3-butadiene	6.7J	ug/m3	8.4	1.9	1.55		07/29/22 21:58	87-68-3	
n-Hexane	4.5	ug/m3	1.1	0.30	1.55		07/29/22 21:58	110-54-3	
2-Hexanone	2.7J	ug/m3	6.4	0.69	1.55		07/29/22 21:58	591-78-6	
Methylene Chloride	<0.92	ug/m3	5.5	0.92	1.55		07/29/22 21:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	2.2J	ug/m3	6.4	0.50	1.55		07/29/22 21:58	108-10-1	
Methyl-tert-butyl ether	<0.20	ug/m3	5.7	0.20	1.55		07/29/22 21:58	1634-04-4	
Naphthalene	3.9J	ug/m3	4.1	3.4	1.55		07/29/22 21:58	91-20-3	
2-Propanol	6.4	ug/m3	3.9	0.79	1.55		07/29/22 21:58	67-63-0	
Propylene	25.0	ug/m3	1.4	0.20	1.55		07/29/22 21:58	115-07-1	
Styrene	3.3	ug/m3	1.3	0.60	1.55		07/29/22 21:58	100-42-5	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: **SG-4-(11.5-12)** Lab ID: **60406092003** Collected: 07/08/22 09:40 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<b>&lt;0.58</b>	ug/m3	2.2	0.58	1.55		07/29/22 21:58	79-34-5	
Tetrachloroethene	<b>15100</b>	ug/m3	256	109	372		08/01/22 20:46	127-18-4	
Tetrahydrofuran	<b>&lt;0.28</b>	ug/m3	0.93	0.28	1.55		07/29/22 21:58	109-99-9	
Toluene	<b>80.0</b>	ug/m3	1.2	0.38	1.55		07/29/22 21:58	108-88-3	
1,2,4-Trichlorobenzene	<b>&lt;7.6</b>	ug/m3	11.7	7.6	1.55		07/29/22 21:58	120-82-1	
1,1,1-Trichloroethane	<b>&lt;0.29</b>	ug/m3	1.7	0.29	1.55		07/29/22 21:58	71-55-6	
1,1,2-Trichloroethane	<b>&lt;0.31</b>	ug/m3	0.86	0.31	1.55		07/29/22 21:58	79-00-5	
Trichloroethene	<b>12200</b>	ug/m3	203	72.9	372		08/01/22 20:46	79-01-6	
Trichlorofluoromethane	<b>1.4J</b>	ug/m3	1.8	0.36	1.55		07/29/22 21:58	75-69-4	
1,1,2-Trichlorotrifluoroethane	<b>0.60J</b>	ug/m3	2.4	0.45	1.55		07/29/22 21:58	76-13-1	
1,2,4-Trimethylbenzene	<b>11.6</b>	ug/m3	1.5	0.55	1.55		07/29/22 21:58	95-63-6	
1,3,5-Trimethylbenzene	<b>3.7</b>	ug/m3	1.5	0.45	1.55		07/29/22 21:58	108-67-8	
Vinyl acetate	<b>&lt;0.32</b>	ug/m3	1.1	0.32	1.55		07/29/22 21:58	108-05-4	
Vinyl chloride	<b>2.5</b>	ug/m3	0.40	0.13	1.55		07/29/22 21:58	75-01-4	
m&p-Xylene	<b>19.8</b>	ug/m3	2.7	1.0	1.55		07/29/22 21:58	179601-23-1	
o-Xylene	<b>7.7</b>	ug/m3	1.4	0.42	1.55		07/29/22 21:58	95-47-6	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: **SG-4-(7.5-8)** Lab ID: **60406092004** Collected: 07/08/22 09:50 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	385	ug/m3	270	80.9	44.7		08/02/22 01:26	67-64-1	
Benzene	<5.1	ug/m3	14.5	5.1	44.7		08/02/22 01:26	71-43-2	
Benzyl chloride	<39.8	ug/m3	235	39.8	44.7		08/02/22 01:26	100-44-7	
Bromodichloromethane	<10.6	ug/m3	60.8	10.6	44.7		08/02/22 01:26	75-27-4	
Bromoform	<72.4	ug/m3	235	72.4	44.7		08/02/22 01:26	75-25-2	
Bromomethane	<6.7	ug/m3	35.3	6.7	44.7		08/02/22 01:26	74-83-9	
1,3-Butadiene	<5.4	ug/m3	20.1	5.4	44.7		08/02/22 01:26	106-99-0	
2-Butanone (MEK)	<20.8	ug/m3	134	20.8	44.7		08/02/22 01:26	78-93-3	
Carbon disulfide	<5.8	ug/m3	28.3	5.8	44.7		08/02/22 01:26	75-15-0	
Carbon tetrachloride	<12.5	ug/m3	57.2	12.5	44.7		08/02/22 01:26	56-23-5	
Chlorobenzene	<6.9	ug/m3	41.8	6.9	44.7		08/02/22 01:26	108-90-7	
Chloroethane	<10.0	ug/m3	59.9	10.0	44.7		08/02/22 01:26	75-00-3	
Chloroform	<8.2	ug/m3	22.2	8.2	44.7		08/02/22 01:26	67-66-3	
Chloromethane	<3.8	ug/m3	18.8	3.8	44.7		08/02/22 01:26	74-87-3	
Cyclohexane	<9.9	ug/m3	78.2	9.9	44.7		08/02/22 01:26	110-82-7	
Dibromochloromethane	<23.0	ug/m3	77.3	23.0	44.7		08/02/22 01:26	124-48-1	
1,2-Dibromoethane (EDB)	<13.4	ug/m3	34.9	13.4	44.7		08/02/22 01:26	106-93-4	
1,2-Dichlorobenzene	<18.1	ug/m3	137	18.1	44.7		08/02/22 01:26	95-50-1	
1,3-Dichlorobenzene	<22.8	ug/m3	137	22.8	44.7		08/02/22 01:26	541-73-1	
1,4-Dichlorobenzene	<39.2	ug/m3	137	39.2	44.7		08/02/22 01:26	106-46-7	
Dichlorodifluoromethane	<8.4	ug/m3	45.1	8.4	44.7		08/02/22 01:26	75-71-8	
1,1-Dichloroethane	<7.4	ug/m3	36.8	7.4	44.7		08/02/22 01:26	75-34-3	
1,2-Dichloroethane	<8.7	ug/m3	36.8	8.7	44.7		08/02/22 01:26	107-06-2	
1,1-Dichloroethene	<6.2	ug/m3	36.0	6.2	44.7		08/02/22 01:26	75-35-4	
cis-1,2-Dichloroethene	48.5	ug/m3	36.0	8.7	44.7		08/02/22 01:26	156-59-2	
trans-1,2-Dichloroethene	<7.5	ug/m3	36.0	7.5	44.7		08/02/22 01:26	156-60-5	
1,2-Dichloropropane	<12.0	ug/m3	42.0	12.0	44.7		08/02/22 01:26	78-87-5	
cis-1,3-Dichloropropene	<11.4	ug/m3	103	11.4	44.7		08/02/22 01:26	10061-01-5	
trans-1,3-Dichloropropene	<24.3	ug/m3	103	24.3	44.7		08/02/22 01:26	10061-02-6	
Dichlorotetrafluoroethane	<9.0	ug/m3	63.5	9.0	44.7		08/02/22 01:26	76-14-2	
Ethanol	95.7	ug/m3	85.8	26.5	44.7		08/02/22 01:26	64-17-5	
Ethyl acetate	<5.9	ug/m3	32.8	5.9	44.7		08/02/22 01:26	141-78-6	
Ethylbenzene	<13.8	ug/m3	39.5	13.8	44.7		08/02/22 01:26	100-41-4	
4-Ethyltoluene	<21.1	ug/m3	112	21.1	44.7		08/02/22 01:26	622-96-8	
n-Heptane	<8.1	ug/m3	37.2	8.1	44.7		08/02/22 01:26	142-82-5	
Hexachloro-1,3-butadiene	<55.0	ug/m3	242	55.0	44.7		08/02/22 01:26	87-68-3	
n-Hexane	<8.5	ug/m3	32.0	8.5	44.7		08/02/22 01:26	110-54-3	
2-Hexanone	<19.8	ug/m3	186	19.8	44.7		08/02/22 01:26	591-78-6	
Methylene Chloride	<26.5	ug/m3	158	26.5	44.7		08/02/22 01:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	<14.3	ug/m3	186	14.3	44.7		08/02/22 01:26	108-10-1	
Methyl-tert-butyl ether	<5.6	ug/m3	164	5.6	44.7		08/02/22 01:26	1634-04-4	
Naphthalene	<97.0	ug/m3	119	97.0	44.7		08/02/22 01:26	91-20-3	
2-Propanol	<22.8	ug/m3	112	22.8	44.7		08/02/22 01:26	67-63-0	
Propylene	30.1J	ug/m3	39.1	5.8	44.7		08/02/22 01:26	115-07-1	
Styrene	<17.2	ug/m3	38.7	17.2	44.7		08/02/22 01:26	100-42-5	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: **SG-4-(7.5-8)** Lab ID: **60406092004** Collected: 07/08/22 09:50 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<16.6	ug/m3	62.6	16.6	44.7		08/02/22 01:26	79-34-5	
Tetrachloroethene	1260	ug/m3	30.8	13.1	44.7		08/02/22 01:26	127-18-4	
Tetrahydrofuran	<8.0	ug/m3	26.8	8.0	44.7		08/02/22 01:26	109-99-9	
Toluene	136	ug/m3	34.2	10.9	44.7		08/02/22 01:26	108-88-3	
1,2,4-Trichlorobenzene	<218	ug/m3	337	218	44.7		08/02/22 01:26	120-82-1	
1,1,1-Trichloroethane	<8.3	ug/m3	49.6	8.3	44.7		08/02/22 01:26	71-55-6	
1,1,2-Trichloroethane	<8.8	ug/m3	24.8	8.8	44.7		08/02/22 01:26	79-00-5	
Trichloroethene	1070	ug/m3	24.4	8.8	44.7		08/02/22 01:26	79-01-6	
Trichlorofluoromethane	<10.4	ug/m3	51.0	10.4	44.7		08/02/22 01:26	75-69-4	
1,1,2-Trichlorotrifluoroethane	<12.9	ug/m3	69.7	12.9	44.7		08/02/22 01:26	76-13-1	
1,2,4-Trimethylbenzene	24.0J	ug/m3	44.7	15.8	44.7		08/02/22 01:26	95-63-6	
1,3,5-Trimethylbenzene	<13.0	ug/m3	44.7	13.0	44.7		08/02/22 01:26	108-67-8	
Vinyl acetate	<9.3	ug/m3	32.0	9.3	44.7		08/02/22 01:26	108-05-4	
Vinyl chloride	<3.9	ug/m3	11.6	3.9	44.7		08/02/22 01:26	75-01-4	
m&p-Xylene	46.3J	ug/m3	79.1	28.7	44.7		08/02/22 01:26	179601-23-1	
o-Xylene	16.7J	ug/m3	39.5	12.1	44.7		08/02/22 01:26	95-47-6	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: **SG-8-(19.5-20)** Lab ID: **60406092005** Collected: 07/08/22 10:20 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	381	ug/m3	10.1	3.0	1.68		07/30/22 03:57	67-64-1	
Benzene	12800	ug/m3	524	184	1613		08/01/22 22:23	71-43-2	
Benzyl chloride	<1.5	ug/m3	4.4	1.5	1.68		07/30/22 03:57	100-44-7	
Bromodichloromethane	<0.40	ug/m3	2.3	0.40	1.68		07/30/22 03:57	75-27-4	
Bromoform	<2.7	ug/m3	8.8	2.7	1.68		07/30/22 03:57	75-25-2	
Bromomethane	0.47J	ug/m3	1.3	0.25	1.68		07/30/22 03:57	74-83-9	
1,3-Butadiene	<0.20	ug/m3	0.76	0.20	1.68		07/30/22 03:57	106-99-0	
2-Butanone (MEK)	<0.78	ug/m3	5.0	0.78	1.68		07/30/22 03:57	78-93-3	
Carbon disulfide	9.8	ug/m3	1.1	0.22	1.68		07/30/22 03:57	75-15-0	
Carbon tetrachloride	<0.47	ug/m3	2.2	0.47	1.68		07/30/22 03:57	56-23-5	
Chlorobenzene	0.64J	ug/m3	1.6	0.26	1.68		07/30/22 03:57	108-90-7	
Chloroethane	<0.38	ug/m3	0.90	0.38	1.68		07/30/22 03:57	75-00-3	
Chloroform	<0.31	ug/m3	0.83	0.31	1.68		07/30/22 03:57	67-66-3	
Chloromethane	6.7	ug/m3	0.71	0.14	1.68		07/30/22 03:57	74-87-3	
Cyclohexane	426	ug/m3	2.9	0.37	1.68		07/30/22 03:57	110-82-7	E
Dibromochloromethane	<0.87	ug/m3	7.3	0.87	1.68		07/30/22 03:57	124-48-1	
1,2-Dibromoethane (EDB)	<0.50	ug/m3	1.3	0.50	1.68		07/30/22 03:57	106-93-4	
1,2-Dichlorobenzene	<0.68	ug/m3	5.1	0.68	1.68		07/30/22 03:57	95-50-1	
1,3-Dichlorobenzene	<0.86	ug/m3	5.1	0.86	1.68		07/30/22 03:57	541-73-1	
1,4-Dichlorobenzene	3.6J	ug/m3	5.1	1.5	1.68		07/30/22 03:57	106-46-7	
Dichlorodifluoromethane	2.4	ug/m3	1.7	0.32	1.68		07/30/22 03:57	75-71-8	
1,1-Dichloroethane	<0.28	ug/m3	1.4	0.28	1.68		07/30/22 03:57	75-34-3	
1,2-Dichloroethane	<0.33	ug/m3	1.4	0.33	1.68		07/30/22 03:57	107-06-2	
1,1-Dichloroethene	17.3	ug/m3	1.4	0.23	1.68		07/30/22 03:57	75-35-4	
cis-1,2-Dichloroethene	2300	ug/m3	1300	314	1613		08/01/22 22:23	156-59-2	
trans-1,2-Dichloroethene	17.6	ug/m3	1.4	0.28	1.68		07/30/22 03:57	156-60-5	
1,2-Dichloropropane	<0.45	ug/m3	1.6	0.45	1.68		07/30/22 03:57	78-87-5	
cis-1,3-Dichloropropene	<0.43	ug/m3	3.9	0.43	1.68		07/30/22 03:57	10061-01-5	
trans-1,3-Dichloropropene	<0.91	ug/m3	3.9	0.91	1.68		07/30/22 03:57	10061-02-6	
Dichlorotetrafluoroethane	<0.34	ug/m3	2.4	0.34	1.68		07/30/22 03:57	76-14-2	
Ethanol	217	ug/m3	3.2	0.99	1.68		07/30/22 03:57	64-17-5	
Ethyl acetate	<0.22	ug/m3	1.2	0.22	1.68		07/30/22 03:57	141-78-6	
Ethylbenzene	105	ug/m3	1.5	0.52	1.68		07/30/22 03:57	100-41-4	
4-Ethyltoluene	16.3	ug/m3	4.2	0.79	1.68		07/30/22 03:57	622-96-8	
n-Heptane	458	ug/m3	1.4	0.30	1.68		07/30/22 03:57	142-82-5	E
Hexachloro-1,3-butadiene	<2.1	ug/m3	9.1	2.1	1.68		07/30/22 03:57	87-68-3	
n-Hexane	816	ug/m3	1.2	0.32	1.68		07/30/22 03:57	110-54-3	E
2-Hexanone	<0.74	ug/m3	7.0	0.74	1.68		07/30/22 03:57	591-78-6	
Methylene Chloride	<1.0	ug/m3	5.9	1.0	1.68		07/30/22 03:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.54	ug/m3	7.0	0.54	1.68		07/30/22 03:57	108-10-1	
Methyl-tert-butyl ether	<0.21	ug/m3	6.1	0.21	1.68		07/30/22 03:57	1634-04-4	
Naphthalene	7.3	ug/m3	4.5	3.6	1.68		07/30/22 03:57	91-20-3	
2-Propanol	13.0	ug/m3	4.2	0.86	1.68		07/30/22 03:57	67-63-0	
Propylene	133	ug/m3	1.5	0.22	1.68		07/30/22 03:57	115-07-1	E
Styrene	2.9	ug/m3	1.5	0.65	1.68		07/30/22 03:57	100-42-5	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: **SG-8-(19.5-20)** Lab ID: **60406092005** Collected: 07/08/22 10:20 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<0.62	ug/m3	2.4	0.62	1.68		07/30/22 03:57	79-34-5	
Tetrachloroethene	19400	ug/m3	1110	471	1613		08/01/22 22:23	127-18-4	
Tetrahydrofuran	<0.30	ug/m3	1.0	0.30	1.68		07/30/22 03:57	109-99-9	
Toluene	95.1	ug/m3	1.3	0.41	1.68		07/30/22 03:57	108-88-3	
1,2,4-Trichlorobenzene	<8.2	ug/m3	12.7	8.2	1.68		07/30/22 03:57	120-82-1	
1,1,1-Trichloroethane	<0.31	ug/m3	1.9	0.31	1.68		07/30/22 03:57	71-55-6	
1,1,2-Trichloroethane	1.2	ug/m3	0.93	0.33	1.68		07/30/22 03:57	79-00-5	
Trichloroethene	16700	ug/m3	881	316	1613		08/01/22 22:23	79-01-6	
Trichlorofluoromethane	1.4J	ug/m3	1.9	0.39	1.68		07/30/22 03:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.96J	ug/m3	2.6	0.49	1.68		07/30/22 03:57	76-13-1	
1,2,4-Trimethylbenzene	41.1	ug/m3	1.7	0.59	1.68		07/30/22 03:57	95-63-6	
1,3,5-Trimethylbenzene	17.3	ug/m3	1.7	0.49	1.68		07/30/22 03:57	108-67-8	
Vinyl acetate	<0.35	ug/m3	1.2	0.35	1.68		07/30/22 03:57	108-05-4	
Vinyl chloride	6.2	ug/m3	0.44	0.15	1.68		07/30/22 03:57	75-01-4	
m&p-Xylene	90.1	ug/m3	3.0	1.1	1.68		07/30/22 03:57	179601-23-1	
o-Xylene	9.1	ug/m3	1.5	0.46	1.68		07/30/22 03:57	95-47-6	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

**Sample: SG-8-(4.5-5)**      **Lab ID: 60406092006**      Collected: 07/08/22 10:25      Received: 07/19/22 09:50      Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	592	ug/m3	261	78.2	43.2		08/02/22 01:56	67-64-1	
Benzene	41.4	ug/m3	14.0	4.9	43.2		08/02/22 01:56	71-43-2	
Benzyl chloride	<38.4	ug/m3	227	38.4	43.2		08/02/22 01:56	100-44-7	
Bromodichloromethane	<10.2	ug/m3	58.8	10.2	43.2		08/02/22 01:56	75-27-4	
Bromoform	<70.0	ug/m3	227	70.0	43.2		08/02/22 01:56	75-25-2	
Bromomethane	<6.5	ug/m3	34.1	6.5	43.2		08/02/22 01:56	74-83-9	
1,3-Butadiene	<5.2	ug/m3	19.4	5.2	43.2		08/02/22 01:56	106-99-0	
2-Butanone (MEK)	<20.1	ug/m3	130	20.1	43.2		08/02/22 01:56	78-93-3	
Carbon disulfide	<5.6	ug/m3	27.3	5.6	43.2		08/02/22 01:56	75-15-0	
Carbon tetrachloride	<12.1	ug/m3	55.3	12.1	43.2		08/02/22 01:56	56-23-5	
Chlorobenzene	<6.7	ug/m3	40.4	6.7	43.2		08/02/22 01:56	108-90-7	
Chloroethane	<9.7	ug/m3	57.9	9.7	43.2		08/02/22 01:56	75-00-3	
Chloroform	<7.9	ug/m3	21.4	7.9	43.2		08/02/22 01:56	67-66-3	
Chloromethane	40.0	ug/m3	18.1	3.7	43.2		08/02/22 01:56	74-87-3	
Cyclohexane	<9.5	ug/m3	75.6	9.5	43.2		08/02/22 01:56	110-82-7	
Dibromochloromethane	<22.2	ug/m3	74.7	22.2	43.2		08/02/22 01:56	124-48-1	
1,2-Dibromoethane (EDB)	<13.0	ug/m3	33.7	13.0	43.2		08/02/22 01:56	106-93-4	
1,2-Dichlorobenzene	<17.5	ug/m3	132	17.5	43.2		08/02/22 01:56	95-50-1	
1,3-Dichlorobenzene	<22.0	ug/m3	132	22.0	43.2		08/02/22 01:56	541-73-1	
1,4-Dichlorobenzene	<37.9	ug/m3	132	37.9	43.2		08/02/22 01:56	106-46-7	
Dichlorodifluoromethane	<8.1	ug/m3	43.6	8.1	43.2		08/02/22 01:56	75-71-8	
1,1-Dichloroethane	<7.1	ug/m3	35.6	7.1	43.2		08/02/22 01:56	75-34-3	
1,2-Dichloroethane	<8.4	ug/m3	35.6	8.4	43.2		08/02/22 01:56	107-06-2	
1,1-Dichloroethene	<6.0	ug/m3	34.8	6.0	43.2		08/02/22 01:56	75-35-4	
cis-1,2-Dichloroethene	<8.4	ug/m3	34.8	8.4	43.2		08/02/22 01:56	156-59-2	
trans-1,2-Dichloroethene	<7.3	ug/m3	34.8	7.3	43.2		08/02/22 01:56	156-60-5	
1,2-Dichloropropane	<11.6	ug/m3	40.6	11.6	43.2		08/02/22 01:56	78-87-5	
cis-1,3-Dichloropropene	<11.0	ug/m3	99.8	11.0	43.2		08/02/22 01:56	10061-01-5	
trans-1,3-Dichloropropene	<23.5	ug/m3	99.8	23.5	43.2		08/02/22 01:56	10061-02-6	
Dichlorotetrafluoroethane	<8.7	ug/m3	61.3	8.7	43.2		08/02/22 01:56	76-14-2	
Ethanol	<25.6	ug/m3	82.9	25.6	43.2		08/02/22 01:56	64-17-5	
Ethyl acetate	<5.7	ug/m3	31.7	5.7	43.2		08/02/22 01:56	141-78-6	
Ethylbenzene	14.4J	ug/m3	38.1	13.3	43.2		08/02/22 01:56	100-41-4	
4-Ethyltoluene	<20.4	ug/m3	108	20.4	43.2		08/02/22 01:56	622-96-8	
n-Heptane	20.4J	ug/m3	36.0	7.8	43.2		08/02/22 01:56	142-82-5	
Hexachloro-1,3-butadiene	<53.1	ug/m3	234	53.1	43.2		08/02/22 01:56	87-68-3	
n-Hexane	24.6J	ug/m3	30.9	8.3	43.2		08/02/22 01:56	110-54-3	
2-Hexanone	<19.1	ug/m3	180	19.1	43.2		08/02/22 01:56	591-78-6	
Methylene Chloride	<25.6	ug/m3	152	25.6	43.2		08/02/22 01:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	<13.9	ug/m3	180	13.9	43.2		08/02/22 01:56	108-10-1	
Methyl-tert-butyl ether	<5.4	ug/m3	158	5.4	43.2		08/02/22 01:56	1634-04-4	
Naphthalene	<93.7	ug/m3	115	93.7	43.2		08/02/22 01:56	91-20-3	
2-Propanol	<22.0	ug/m3	108	22.0	43.2		08/02/22 01:56	67-63-0	
Propylene	110	ug/m3	37.8	5.6	43.2		08/02/22 01:56	115-07-1	
Styrene	<16.6	ug/m3	37.4	16.6	43.2		08/02/22 01:56	100-42-5	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

**Sample: SG-8-(4.5-5)**      **Lab ID: 60406092006**      Collected: 07/08/22 10:25      Received: 07/19/22 09:50      Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<16.1	ug/m3	60.5	16.1	43.2		08/02/22 01:56	79-34-5	
Tetrachloroethene	1560	ug/m3	29.8	12.6	43.2		08/02/22 01:56	127-18-4	
Tetrahydrofuran	<7.8	ug/m3	25.9	7.8	43.2		08/02/22 01:56	109-99-9	
Toluene	118	ug/m3	33.1	10.5	43.2		08/02/22 01:56	108-88-3	
1,2,4-Trichlorobenzene	<211	ug/m3	326	211	43.2		08/02/22 01:56	120-82-1	
1,1,1-Trichloroethane	<8.0	ug/m3	48.0	8.0	43.2		08/02/22 01:56	71-55-6	
1,1,2-Trichloroethane	<8.5	ug/m3	24.0	8.5	43.2		08/02/22 01:56	79-00-5	
Trichloroethene	85.8	ug/m3	23.6	8.5	43.2		08/02/22 01:56	79-01-6	
Trichlorofluoromethane	<10.1	ug/m3	49.2	10.1	43.2		08/02/22 01:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	<12.5	ug/m3	67.4	12.5	43.2		08/02/22 01:56	76-13-1	
1,2,4-Trimethylbenzene	29.1J	ug/m3	43.2	15.3	43.2		08/02/22 01:56	95-63-6	
1,3,5-Trimethylbenzene	<12.5	ug/m3	43.2	12.5	43.2		08/02/22 01:56	108-67-8	
Vinyl acetate	<9.0	ug/m3	30.9	9.0	43.2		08/02/22 01:56	108-05-4	
Vinyl chloride	<3.7	ug/m3	11.2	3.7	43.2		08/02/22 01:56	75-01-4	
m&p-Xylene	48.1J	ug/m3	76.5	27.7	43.2		08/02/22 01:56	179601-23-1	
o-Xylene	19.6J	ug/m3	38.1	11.7	43.2		08/02/22 01:56	95-47-6	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: SG-7-(16-16.5) Lab ID: 60406092007 Collected: 07/08/22 11:00 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	227J	ug/m3	281	84.2	46.5		08/02/22 02:26	67-64-1	
Benzene	98.4	ug/m3	15.1	5.3	46.5		08/02/22 02:26	71-43-2	
Benzyl chloride	<41.4	ug/m3	245	41.4	46.5		08/02/22 02:26	100-44-7	
Bromodichloromethane	<11.0	ug/m3	63.2	11.0	46.5		08/02/22 02:26	75-27-4	
Bromoform	<75.3	ug/m3	244	75.3	46.5		08/02/22 02:26	75-25-2	
Bromomethane	<7.0	ug/m3	36.7	7.0	46.5		08/02/22 02:26	74-83-9	
1,3-Butadiene	<5.6	ug/m3	20.9	5.6	46.5		08/02/22 02:26	106-99-0	
2-Butanone (MEK)	<21.6	ug/m3	140	21.6	46.5		08/02/22 02:26	78-93-3	
Carbon disulfide	20.5J	ug/m3	29.4	6.0	46.5		08/02/22 02:26	75-15-0	
Carbon tetrachloride	<13.0	ug/m3	59.5	13.0	46.5		08/02/22 02:26	56-23-5	
Chlorobenzene	<7.2	ug/m3	43.5	7.2	46.5		08/02/22 02:26	108-90-7	
Chloroethane	<10.4	ug/m3	62.4	10.4	46.5		08/02/22 02:26	75-00-3	
Chloroform	<8.5	ug/m3	23.1	8.5	46.5		08/02/22 02:26	67-66-3	
Chloromethane	<4.0	ug/m3	19.5	4.0	46.5		08/02/22 02:26	74-87-3	
Cyclohexane	64.5J	ug/m3	81.4	10.3	46.5		08/02/22 02:26	110-82-7	
Dibromochloromethane	<23.9	ug/m3	80.4	23.9	46.5		08/02/22 02:26	124-48-1	
1,2-Dibromoethane (EDB)	<14.0	ug/m3	36.3	14.0	46.5		08/02/22 02:26	106-93-4	
1,2-Dichlorobenzene	<18.8	ug/m3	142	18.8	46.5		08/02/22 02:26	95-50-1	
1,3-Dichlorobenzene	<23.7	ug/m3	142	23.7	46.5		08/02/22 02:26	541-73-1	
1,4-Dichlorobenzene	<40.8	ug/m3	142	40.8	46.5		08/02/22 02:26	106-46-7	
Dichlorodifluoromethane	<8.7	ug/m3	47.0	8.7	46.5		08/02/22 02:26	75-71-8	
1,1-Dichloroethane	<7.7	ug/m3	38.3	7.7	46.5		08/02/22 02:26	75-34-3	
1,2-Dichloroethane	<9.0	ug/m3	38.3	9.0	46.5		08/02/22 02:26	107-06-2	
1,1-Dichloroethene	<6.4	ug/m3	37.5	6.4	46.5		08/02/22 02:26	75-35-4	
cis-1,2-Dichloroethene	590	ug/m3	37.5	9.1	46.5		08/02/22 02:26	156-59-2	
trans-1,2-Dichloroethene	<7.8	ug/m3	37.5	7.8	46.5		08/02/22 02:26	156-60-5	
1,2-Dichloropropane	<12.5	ug/m3	43.7	12.5	46.5		08/02/22 02:26	78-87-5	
cis-1,3-Dichloropropene	<11.9	ug/m3	107	11.9	46.5		08/02/22 02:26	10061-01-5	
trans-1,3-Dichloropropene	<25.3	ug/m3	107	25.3	46.5		08/02/22 02:26	10061-02-6	
Dichlorotetrafluoroethane	<9.4	ug/m3	66.0	9.4	46.5		08/02/22 02:26	76-14-2	
Ethanol	<27.5	ug/m3	89.3	27.5	46.5		08/02/22 02:26	64-17-5	
Ethyl acetate	<6.1	ug/m3	34.1	6.1	46.5		08/02/22 02:26	141-78-6	
Ethylbenzene	<14.4	ug/m3	41.1	14.4	46.5		08/02/22 02:26	100-41-4	
4-Ethyltoluene	<21.9	ug/m3	116	21.9	46.5		08/02/22 02:26	622-96-8	
n-Heptane	55.6	ug/m3	38.7	8.4	46.5		08/02/22 02:26	142-82-5	
Hexachloro-1,3-butadiene	<57.2	ug/m3	252	57.2	46.5		08/02/22 02:26	87-68-3	
n-Hexane	76.1	ug/m3	33.3	8.9	46.5		08/02/22 02:26	110-54-3	
2-Hexanone	<20.6	ug/m3	193	20.6	46.5		08/02/22 02:26	591-78-6	
Methylene Chloride	<27.6	ug/m3	164	27.6	46.5		08/02/22 02:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	<14.9	ug/m3	193	14.9	46.5		08/02/22 02:26	108-10-1	
Methyl-tert-butyl ether	<5.9	ug/m3	170	5.9	46.5		08/02/22 02:26	1634-04-4	
Naphthalene	<101	ug/m3	124	101	46.5		08/02/22 02:26	91-20-3	
2-Propanol	<23.7	ug/m3	116	23.7	46.5		08/02/22 02:26	67-63-0	
Propylene	104	ug/m3	40.7	6.0	46.5		08/02/22 02:26	115-07-1	
Styrene	<17.9	ug/m3	40.3	17.9	46.5		08/02/22 02:26	100-42-5	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: **SG-7-(16-16.5)** Lab ID: **60406092007** Collected: 07/08/22 11:00 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<17.3	ug/m3	65.1	17.3	46.5		08/02/22 02:26	79-34-5	
Tetrachloroethene	32800	ug/m3	513	217	744		08/02/22 12:24	127-18-4	
Tetrahydrofuran	21.0J	ug/m3	27.9	8.4	46.5		08/02/22 02:26	109-99-9	
Toluene	94.2	ug/m3	35.6	11.3	46.5		08/02/22 02:26	108-88-3	
1,2,4-Trichlorobenzene	<227	ug/m3	351	227	46.5		08/02/22 02:26	120-82-1	
1,1,1-Trichloroethane	<8.6	ug/m3	51.6	8.6	46.5		08/02/22 02:26	71-55-6	
1,1,2-Trichloroethane	<9.2	ug/m3	25.8	9.2	46.5		08/02/22 02:26	79-00-5	
Trichloroethene	4540	ug/m3	25.4	9.1	46.5		08/02/22 02:26	79-01-6	
Trichlorofluoromethane	<10.8	ug/m3	53.0	10.8	46.5		08/02/22 02:26	75-69-4	
1,1,2-Trichlorotrifluoroethane	<13.4	ug/m3	72.5	13.4	46.5		08/02/22 02:26	76-13-1	
1,2,4-Trimethylbenzene	<16.5	ug/m3	46.5	16.5	46.5		08/02/22 02:26	95-63-6	
1,3,5-Trimethylbenzene	<13.5	ug/m3	46.5	13.5	46.5		08/02/22 02:26	108-67-8	
Vinyl acetate	<9.7	ug/m3	33.3	9.7	46.5		08/02/22 02:26	108-05-4	
Vinyl chloride	<4.0	ug/m3	12.1	4.0	46.5		08/02/22 02:26	75-01-4	
m&p-Xylene	<29.9	ug/m3	82.3	29.9	46.5		08/02/22 02:26	179601-23-1	
o-Xylene	<12.6	ug/m3	41.1	12.6	46.5		08/02/22 02:26	95-47-6	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: SG-7-(2-2.5) Lab ID: 60406092008 Collected: 07/08/22 11:05 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	723	ug/m3	252	75.5	41.7		08/01/22 17:00	67-64-1	
Benzene	57.9	ug/m3	0.45	0.16	1.39		07/29/22 23:46	71-43-2	
Benzyl chloride	<1.2	ug/m3	3.7	1.2	1.39		07/29/22 23:46	100-44-7	
Bromodichloromethane	<0.33	ug/m3	1.9	0.33	1.39		07/29/22 23:46	75-27-4	
Bromoform	<2.3	ug/m3	7.3	2.3	1.39		07/29/22 23:46	75-25-2	
Bromomethane	<0.21	ug/m3	1.1	0.21	1.39		07/29/22 23:46	74-83-9	
1,3-Butadiene	<0.17	ug/m3	0.63	0.17	1.39		07/29/22 23:46	106-99-0	
2-Butanone (MEK)	40.9	ug/m3	4.2	0.65	1.39		07/29/22 23:46	78-93-3	
Carbon disulfide	16.7	ug/m3	0.88	0.18	1.39		07/29/22 23:46	75-15-0	
Carbon tetrachloride	0.51J	ug/m3	1.8	0.39	1.39		07/29/22 23:46	56-23-5	
Chlorobenzene	<0.22	ug/m3	1.3	0.22	1.39		07/29/22 23:46	108-90-7	
Chloroethane	<0.31	ug/m3	0.75	0.31	1.39		07/29/22 23:46	75-00-3	
Chloroform	1.4	ug/m3	0.69	0.25	1.39		07/29/22 23:46	67-66-3	
Chloromethane	1.2	ug/m3	0.58	0.12	1.39		07/29/22 23:46	74-87-3	
Cyclohexane	52.5	ug/m3	2.4	0.31	1.39		07/29/22 23:46	110-82-7	
Dibromochloromethane	<0.72	ug/m3	6.0	0.72	1.39		07/29/22 23:46	124-48-1	
1,2-Dibromoethane (EDB)	<0.42	ug/m3	1.1	0.42	1.39		07/29/22 23:46	106-93-4	
1,2-Dichlorobenzene	<0.56	ug/m3	4.3	0.56	1.39		07/29/22 23:46	95-50-1	
1,3-Dichlorobenzene	<0.71	ug/m3	4.3	0.71	1.39		07/29/22 23:46	541-73-1	
1,4-Dichlorobenzene	2.5J	ug/m3	4.3	1.2	1.39		07/29/22 23:46	106-46-7	
Dichlorodifluoromethane	2.5	ug/m3	1.4	0.26	1.39		07/29/22 23:46	75-71-8	
1,1-Dichloroethane	<0.23	ug/m3	1.1	0.23	1.39		07/29/22 23:46	75-34-3	
1,2-Dichloroethane	<0.27	ug/m3	1.1	0.27	1.39		07/29/22 23:46	107-06-2	
1,1-Dichloroethene	<0.19	ug/m3	1.1	0.19	1.39		07/29/22 23:46	75-35-4	
cis-1,2-Dichloroethene	8.5	ug/m3	1.1	0.27	1.39		07/29/22 23:46	156-59-2	
trans-1,2-Dichloroethene	0.65J	ug/m3	1.1	0.23	1.39		07/29/22 23:46	156-60-5	
1,2-Dichloropropane	<0.37	ug/m3	1.3	0.37	1.39		07/29/22 23:46	78-87-5	
cis-1,3-Dichloropropene	<0.35	ug/m3	3.2	0.35	1.39		07/29/22 23:46	10061-01-5	
trans-1,3-Dichloropropene	<0.76	ug/m3	3.2	0.76	1.39		07/29/22 23:46	10061-02-6	
Dichlorotetrafluoroethane	<0.28	ug/m3	2.0	0.28	1.39		07/29/22 23:46	76-14-2	
Ethanol	292	ug/m3	2.7	0.82	1.39		07/29/22 23:46	64-17-5	
Ethyl acetate	29.5	ug/m3	1.0	0.18	1.39		07/29/22 23:46	141-78-6	
Ethylbenzene	5.4	ug/m3	1.2	0.43	1.39		07/29/22 23:46	100-41-4	
4-Ethyltoluene	4.8	ug/m3	3.5	0.66	1.39		07/29/22 23:46	622-96-8	
n-Heptane	26.6	ug/m3	1.2	0.25	1.39		07/29/22 23:46	142-82-5	
Hexachloro-1,3-butadiene	<1.7	ug/m3	7.5	1.7	1.39		07/29/22 23:46	87-68-3	
n-Hexane	39.7	ug/m3	1.0	0.27	1.39		07/29/22 23:46	110-54-3	
2-Hexanone	<0.61	ug/m3	5.8	0.61	1.39		07/29/22 23:46	591-78-6	
Methylene Chloride	<0.82	ug/m3	4.9	0.82	1.39		07/29/22 23:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.45	ug/m3	5.8	0.45	1.39		07/29/22 23:46	108-10-1	
Methyl-tert-butyl ether	<0.18	ug/m3	5.1	0.18	1.39		07/29/22 23:46	1634-04-4	
Naphthalene	4.4	ug/m3	3.7	3.0	1.39		07/29/22 23:46	91-20-3	
2-Propanol	45.2	ug/m3	3.5	0.71	1.39		07/29/22 23:46	67-63-0	
Propylene	66.1	ug/m3	1.2	0.18	1.39		07/29/22 23:46	115-07-1	
Styrene	5.1	ug/m3	1.2	0.54	1.39		07/29/22 23:46	100-42-5	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

**Sample: SG-7-(2-2.5)**      **Lab ID: 60406092008**      Collected: 07/08/22 11:05      Received: 07/19/22 09:50      Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<0.52	ug/m3	1.9	0.52	1.39		07/29/22 23:46	79-34-5	
Tetrachloroethene	1280	ug/m3	28.7	12.2	41.7		08/01/22 17:00	127-18-4	
Tetrahydrofuran	3.8	ug/m3	0.83	0.25	1.39		07/29/22 23:46	109-99-9	
Toluene	25.2	ug/m3	1.1	0.34	1.39		07/29/22 23:46	108-88-3	
1,2,4-Trichlorobenzene	<6.8	ug/m3	10.5	6.8	1.39		07/29/22 23:46	120-82-1	
1,1,1-Trichloroethane	<0.26	ug/m3	1.5	0.26	1.39		07/29/22 23:46	71-55-6	
1,1,2-Trichloroethane	<0.27	ug/m3	0.77	0.27	1.39		07/29/22 23:46	79-00-5	
Trichloroethene	99.0	ug/m3	0.76	0.27	1.39		07/29/22 23:46	79-01-6	
Trichlorofluoromethane	1.4J	ug/m3	1.6	0.32	1.39		07/29/22 23:46	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.60J	ug/m3	2.2	0.40	1.39		07/29/22 23:46	76-13-1	
1,2,4-Trimethylbenzene	15.6	ug/m3	1.4	0.49	1.39		07/29/22 23:46	95-63-6	
1,3,5-Trimethylbenzene	5.0	ug/m3	1.4	0.40	1.39		07/29/22 23:46	108-67-8	
Vinyl acetate	<0.29	ug/m3	1.0	0.29	1.39		07/29/22 23:46	108-05-4	
Vinyl chloride	<0.12	ug/m3	0.36	0.12	1.39		07/29/22 23:46	75-01-4	
m&p-Xylene	15.8	ug/m3	2.5	0.89	1.39		07/29/22 23:46	179601-23-1	
o-Xylene	5.8	ug/m3	1.2	0.38	1.39		07/29/22 23:46	95-47-6	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: **SG-2-(23.5-24)** Lab ID: **60406092009** Collected: 07/08/22 14:00 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	162	ug/m3	10.1	3.0	1.68		07/30/22 03:20	67-64-1	
Benzene	41.7	ug/m3	0.55	0.19	1.68		07/30/22 03:20	71-43-2	
Benzyl chloride	<1.5	ug/m3	4.4	1.5	1.68		07/30/22 03:20	100-44-7	
Bromodichloromethane	<0.40	ug/m3	2.3	0.40	1.68		07/30/22 03:20	75-27-4	
Bromoform	<2.7	ug/m3	8.8	2.7	1.68		07/30/22 03:20	75-25-2	
Bromomethane	<0.25	ug/m3	1.3	0.25	1.68		07/30/22 03:20	74-83-9	
1,3-Butadiene	<0.20	ug/m3	0.76	0.20	1.68		07/30/22 03:20	106-99-0	
2-Butanone (MEK)	90.8	ug/m3	5.0	0.78	1.68		07/30/22 03:20	78-93-3	
Carbon disulfide	29.6	ug/m3	1.1	0.22	1.68		07/30/22 03:20	75-15-0	
Carbon tetrachloride	<0.47	ug/m3	2.2	0.47	1.68		07/30/22 03:20	56-23-5	
Chlorobenzene	0.57J	ug/m3	1.6	0.26	1.68		07/30/22 03:20	108-90-7	
Chloroethane	1.3	ug/m3	0.90	0.38	1.68		07/30/22 03:20	75-00-3	
Chloroform	1.4	ug/m3	0.83	0.31	1.68		07/30/22 03:20	67-66-3	
Chloromethane	2.7	ug/m3	0.71	0.14	1.68		07/30/22 03:20	74-87-3	
Cyclohexane	23.0	ug/m3	2.9	0.37	1.68		07/30/22 03:20	110-82-7	
Dibromochloromethane	<0.87	ug/m3	7.3	0.87	1.68		07/30/22 03:20	124-48-1	
1,2-Dibromoethane (EDB)	<0.50	ug/m3	1.3	0.50	1.68		07/30/22 03:20	106-93-4	
1,2-Dichlorobenzene	<0.68	ug/m3	5.1	0.68	1.68		07/30/22 03:20	95-50-1	
1,3-Dichlorobenzene	<0.86	ug/m3	5.1	0.86	1.68		07/30/22 03:20	541-73-1	
1,4-Dichlorobenzene	4.1J	ug/m3	5.1	1.5	1.68		07/30/22 03:20	106-46-7	
Dichlorodifluoromethane	2.5	ug/m3	1.7	0.32	1.68		07/30/22 03:20	75-71-8	
1,1-Dichloroethane	<0.28	ug/m3	1.4	0.28	1.68		07/30/22 03:20	75-34-3	
1,2-Dichloroethane	<0.33	ug/m3	1.4	0.33	1.68		07/30/22 03:20	107-06-2	
1,1-Dichloroethene	11.9	ug/m3	1.4	0.23	1.68		07/30/22 03:20	75-35-4	
cis-1,2-Dichloroethene	33.2	ug/m3	1.4	0.33	1.68		07/30/22 03:20	156-59-2	C8
trans-1,2-Dichloroethene	2.5	ug/m3	1.4	0.28	1.68		07/30/22 03:20	156-60-5	
1,2-Dichloropropane	<0.45	ug/m3	1.6	0.45	1.68		07/30/22 03:20	78-87-5	
cis-1,3-Dichloropropene	<0.43	ug/m3	3.9	0.43	1.68		07/30/22 03:20	10061-01-5	
trans-1,3-Dichloropropene	<0.91	ug/m3	3.9	0.91	1.68		07/30/22 03:20	10061-02-6	
Dichlorotetrafluoroethane	<0.34	ug/m3	2.4	0.34	1.68		07/30/22 03:20	76-14-2	
Ethanol	32.3	ug/m3	3.2	0.99	1.68		07/30/22 03:20	64-17-5	
Ethyl acetate	<0.22	ug/m3	1.2	0.22	1.68		07/30/22 03:20	141-78-6	
Ethylbenzene	8.8	ug/m3	1.5	0.52	1.68		07/30/22 03:20	100-41-4	
4-Ethyltoluene	4.3	ug/m3	4.2	0.79	1.68		07/30/22 03:20	622-96-8	
n-Heptane	<0.30	ug/m3	1.4	0.30	1.68		07/30/22 03:20	142-82-5	
Hexachloro-1,3-butadiene	<2.1	ug/m3	9.1	2.1	1.68		07/30/22 03:20	87-68-3	
n-Hexane	53.6	ug/m3	1.2	0.32	1.68		07/30/22 03:20	110-54-3	
2-Hexanone	7.6	ug/m3	7.0	0.74	1.68		07/30/22 03:20	591-78-6	
Methylene Chloride	<1.0	ug/m3	5.9	1.0	1.68		07/30/22 03:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.2J	ug/m3	7.0	0.54	1.68		07/30/22 03:20	108-10-1	
Methyl-tert-butyl ether	<0.21	ug/m3	6.1	0.21	1.68		07/30/22 03:20	1634-04-4	
Naphthalene	3.8J	ug/m3	4.5	3.6	1.68		07/30/22 03:20	91-20-3	
2-Propanol	3.9J	ug/m3	4.2	0.86	1.68		07/30/22 03:20	67-63-0	
Propylene	419	ug/m3	1.5	0.22	1.68		07/30/22 03:20	115-07-1	E
Styrene	4.4	ug/m3	1.5	0.65	1.68		07/30/22 03:20	100-42-5	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: **SG-2-(23.5-24)** Lab ID: **60406092009** Collected: 07/08/22 14:00 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<0.62	ug/m3	2.4	0.62	1.68		07/30/22 03:20	79-34-5	
Tetrachloroethene	97800	ug/m3	1110	471	1613		08/01/22 21:18	127-18-4	
Tetrahydrofuran	<0.30	ug/m3	1.0	0.30	1.68		07/30/22 03:20	109-99-9	
Toluene	85.7	ug/m3	1.3	0.41	1.68		07/30/22 03:20	108-88-3	
1,2,4-Trichlorobenzene	<8.2	ug/m3	12.7	8.2	1.68		07/30/22 03:20	120-82-1	
1,1,1-Trichloroethane	<0.31	ug/m3	1.9	0.31	1.68		07/30/22 03:20	71-55-6	
1,1,2-Trichloroethane	<0.33	ug/m3	0.93	0.33	1.68		07/30/22 03:20	79-00-5	
Trichloroethene	913	ug/m3	881	316	1613		08/01/22 21:18	79-01-6	
Trichlorofluoromethane	1.5J	ug/m3	1.9	0.39	1.68		07/30/22 03:20	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.49J	ug/m3	2.6	0.49	1.68		07/30/22 03:20	76-13-1	
1,2,4-Trimethylbenzene	7.1	ug/m3	1.7	0.59	1.68		07/30/22 03:20	95-63-6	
1,3,5-Trimethylbenzene	2.8	ug/m3	1.7	0.49	1.68		07/30/22 03:20	108-67-8	
Vinyl acetate	<0.35	ug/m3	1.2	0.35	1.68		07/30/22 03:20	108-05-4	
Vinyl chloride	1.8	ug/m3	0.44	0.15	1.68		07/30/22 03:20	75-01-4	
m&p-Xylene	18.7	ug/m3	3.0	1.1	1.68		07/30/22 03:20	179601-23-1	
o-Xylene	7.7	ug/m3	1.5	0.46	1.68		07/30/22 03:20	95-47-6	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: **SG-2-(4.5-5)** Lab ID: **60406092010** Collected: 07/08/22 14:05 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	157	ug/m3	9.4	2.8	1.55		07/30/22 04:33	67-64-1	
Benzene	11.2	ug/m3	0.50	0.18	1.55		07/30/22 04:33	71-43-2	C8
Benzyl chloride	<1.4	ug/m3	4.1	1.4	1.55		07/30/22 04:33	100-44-7	
Bromodichloromethane	<0.37	ug/m3	2.1	0.37	1.55		07/30/22 04:33	75-27-4	
Bromoform	<2.5	ug/m3	8.1	2.5	1.55		07/30/22 04:33	75-25-2	
Bromomethane	<0.23	ug/m3	1.2	0.23	1.55		07/30/22 04:33	74-83-9	
1,3-Butadiene	<0.19	ug/m3	0.70	0.19	1.55		07/30/22 04:33	106-99-0	
2-Butanone (MEK)	43.3	ug/m3	4.6	0.72	1.55		07/30/22 04:33	78-93-3	
Carbon disulfide	11.3	ug/m3	0.98	0.20	1.55		07/30/22 04:33	75-15-0	
Carbon tetrachloride	<0.43	ug/m3	2.0	0.43	1.55		07/30/22 04:33	56-23-5	
Chlorobenzene	<0.24	ug/m3	1.5	0.24	1.55		07/30/22 04:33	108-90-7	
Chloroethane	<0.35	ug/m3	0.83	0.35	1.55		07/30/22 04:33	75-00-3	
Chloroform	<0.28	ug/m3	0.77	0.28	1.55		07/30/22 04:33	67-66-3	
Chloromethane	0.60J	ug/m3	0.65	0.13	1.55		07/30/22 04:33	74-87-3	
Cyclohexane	37.3	ug/m3	2.7	0.34	1.55		07/30/22 04:33	110-82-7	C8
Dibromochloromethane	<0.80	ug/m3	6.7	0.80	1.55		07/30/22 04:33	124-48-1	
1,2-Dibromoethane (EDB)	<0.46	ug/m3	1.2	0.46	1.55		07/30/22 04:33	106-93-4	
1,2-Dichlorobenzene	<0.63	ug/m3	4.7	0.63	1.55		07/30/22 04:33	95-50-1	
1,3-Dichlorobenzene	<0.79	ug/m3	4.7	0.79	1.55		07/30/22 04:33	541-73-1	
1,4-Dichlorobenzene	3.0J	ug/m3	4.7	1.4	1.55		07/30/22 04:33	106-46-7	
Dichlorodifluoromethane	2.1	ug/m3	1.6	0.29	1.55		07/30/22 04:33	75-71-8	
1,1-Dichloroethane	<0.26	ug/m3	1.3	0.26	1.55		07/30/22 04:33	75-34-3	
1,2-Dichloroethane	<0.30	ug/m3	1.3	0.30	1.55		07/30/22 04:33	107-06-2	
1,1-Dichloroethene	<0.21	ug/m3	1.2	0.21	1.55		07/30/22 04:33	75-35-4	
cis-1,2-Dichloroethene	49.7	ug/m3	1.2	0.30	1.55		07/30/22 04:33	156-59-2	C8
trans-1,2-Dichloroethene	2.2	ug/m3	1.2	0.26	1.55		07/30/22 04:33	156-60-5	
1,2-Dichloropropane	<0.42	ug/m3	1.5	0.42	1.55		07/30/22 04:33	78-87-5	
cis-1,3-Dichloropropene	<0.40	ug/m3	3.6	0.40	1.55		07/30/22 04:33	10061-01-5	
trans-1,3-Dichloropropene	<0.84	ug/m3	3.6	0.84	1.55		07/30/22 04:33	10061-02-6	
Dichlorotetrafluoroethane	<0.31	ug/m3	2.2	0.31	1.55		07/30/22 04:33	76-14-2	
Ethanol	26.5	ug/m3	3.0	0.92	1.55		07/30/22 04:33	64-17-5	
Ethyl acetate	<0.20	ug/m3	1.1	0.20	1.55		07/30/22 04:33	141-78-6	
Ethylbenzene	3.0	ug/m3	1.4	0.48	1.55		07/30/22 04:33	100-41-4	
4-Ethyltoluene	2.3J	ug/m3	3.9	0.73	1.55		07/30/22 04:33	622-96-8	
n-Heptane	94.1	ug/m3	1.3	0.28	1.55		07/30/22 04:33	142-82-5	
Hexachloro-1,3-butadiene	<1.9	ug/m3	8.4	1.9	1.55		07/30/22 04:33	87-68-3	
n-Hexane	47.6	ug/m3	1.1	0.30	1.55		07/30/22 04:33	110-54-3	C8
2-Hexanone	<0.69	ug/m3	6.4	0.69	1.55		07/30/22 04:33	591-78-6	
Methylene Chloride	<0.92	ug/m3	5.5	0.92	1.55		07/30/22 04:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	1.8J	ug/m3	6.4	0.50	1.55		07/30/22 04:33	108-10-1	
Methyl-tert-butyl ether	<0.20	ug/m3	5.7	0.20	1.55		07/30/22 04:33	1634-04-4	
Naphthalene	7.3	ug/m3	4.1	3.4	1.55		07/30/22 04:33	91-20-3	
2-Propanol	8.7	ug/m3	3.9	0.79	1.55		07/30/22 04:33	67-63-0	
Propylene	67.9	ug/m3	1.4	0.20	1.55		07/30/22 04:33	115-07-1	
Styrene	4.3	ug/m3	1.3	0.60	1.55		07/30/22 04:33	100-42-5	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: **SG-2-(4.5-5)** Lab ID: **60406092010** Collected: 07/08/22 14:05 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<0.58	ug/m3	2.2	0.58	1.55		07/30/22 04:33	79-34-5	
Tetrachloroethene	127000	ug/m3	1030	434	1488		08/01/22 21:51	127-18-4	
Tetrahydrofuran	<0.28	ug/m3	0.93	0.28	1.55		07/30/22 04:33	109-99-9	
Toluene	16.2	ug/m3	1.2	0.38	1.55		07/30/22 04:33	108-88-3	
1,2,4-Trichlorobenzene	<7.6	ug/m3	11.7	7.6	1.55		07/30/22 04:33	120-82-1	
1,1,1-Trichloroethane	2.0	ug/m3	1.7	0.29	1.55		07/30/22 04:33	71-55-6	
1,1,2-Trichloroethane	<0.31	ug/m3	0.86	0.31	1.55		07/30/22 04:33	79-00-5	
Trichloroethene	4220	ug/m3	812	292	1488		08/01/22 21:51	79-01-6	
Trichlorofluoromethane	1.2J	ug/m3	1.8	0.36	1.55		07/30/22 04:33	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.63J	ug/m3	2.4	0.45	1.55		07/30/22 04:33	76-13-1	
1,2,4-Trimethylbenzene	4.6	ug/m3	1.5	0.55	1.55		07/30/22 04:33	95-63-6	
1,3,5-Trimethylbenzene	2.6	ug/m3	1.5	0.45	1.55		07/30/22 04:33	108-67-8	
Vinyl acetate	<0.32	ug/m3	1.1	0.32	1.55		07/30/22 04:33	108-05-4	
Vinyl chloride	<0.13	ug/m3	0.40	0.13	1.55		07/30/22 04:33	75-01-4	
m&p-Xylene	8.5	ug/m3	2.7	1.0	1.55		07/30/22 04:33	179601-23-1	
o-Xylene	3.8	ug/m3	1.4	0.42	1.55		07/30/22 04:33	95-47-6	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: **SG-3-(21.5-22)** Lab ID: **60406092011** Collected: 07/08/22 11:40 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	416	ug/m3	10.6	3.2	1.75		07/30/22 02:44	67-64-1	
Benzene	30.5	ug/m3	0.57	0.20	1.75		07/30/22 02:44	71-43-2	
Benzyl chloride	<1.6	ug/m3	4.6	1.6	1.75		07/30/22 02:44	100-44-7	
Bromodichloromethane	<0.41	ug/m3	2.4	0.41	1.75		07/30/22 02:44	75-27-4	
Bromoform	<2.8	ug/m3	9.2	2.8	1.75		07/30/22 02:44	75-25-2	
Bromomethane	<0.26	ug/m3	1.4	0.26	1.75		07/30/22 02:44	74-83-9	
1,3-Butadiene	<0.21	ug/m3	0.79	0.21	1.75		07/30/22 02:44	106-99-0	
2-Butanone (MEK)	149	ug/m3	5.2	0.81	1.75		07/30/22 02:44	78-93-3	
Carbon disulfide	64.5	ug/m3	1.1	0.23	1.75		07/30/22 02:44	75-15-0	
Carbon tetrachloride	<0.49	ug/m3	2.2	0.49	1.75		07/30/22 02:44	56-23-5	
Chlorobenzene	<0.27	ug/m3	1.6	0.27	1.75		07/30/22 02:44	108-90-7	
Chloroethane	0.74J	ug/m3	0.94	0.39	1.75		07/30/22 02:44	75-00-3	
Chloroform	<0.32	ug/m3	0.87	0.32	1.75		07/30/22 02:44	67-66-3	
Chloromethane	2.4	ug/m3	0.74	0.15	1.75		07/30/22 02:44	74-87-3	
Cyclohexane	<0.39	ug/m3	3.1	0.39	1.75		07/30/22 02:44	110-82-7	
Dibromochloromethane	<0.90	ug/m3	7.6	0.90	1.75		07/30/22 02:44	124-48-1	
1,2-Dibromoethane (EDB)	<0.52	ug/m3	1.4	0.52	1.75		07/30/22 02:44	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/m3	5.4	0.71	1.75		07/30/22 02:44	95-50-1	
1,3-Dichlorobenzene	<0.89	ug/m3	5.4	0.89	1.75		07/30/22 02:44	541-73-1	
1,4-Dichlorobenzene	<1.5	ug/m3	5.4	1.5	1.75		07/30/22 02:44	106-46-7	
Dichlorodifluoromethane	2.4	ug/m3	1.8	0.33	1.75		07/30/22 02:44	75-71-8	
1,1-Dichloroethane	<0.29	ug/m3	1.4	0.29	1.75		07/30/22 02:44	75-34-3	
1,2-Dichloroethane	<0.34	ug/m3	1.4	0.34	1.75		07/30/22 02:44	107-06-2	
1,1-Dichloroethene	19.6	ug/m3	1.4	0.24	1.75		07/30/22 02:44	75-35-4	
cis-1,2-Dichloroethene	1110	ug/m3	84.6	20.5	105		08/01/22 20:14	156-59-2	
trans-1,2-Dichloroethene	36.1	ug/m3	1.4	0.29	1.75		07/30/22 02:44	156-60-5	
1,2-Dichloropropane	<0.47	ug/m3	1.6	0.47	1.75		07/30/22 02:44	78-87-5	
cis-1,3-Dichloropropene	<0.45	ug/m3	4.0	0.45	1.75		07/30/22 02:44	10061-01-5	
trans-1,3-Dichloropropene	<0.95	ug/m3	4.0	0.95	1.75		07/30/22 02:44	10061-02-6	
Dichlorotetrafluoroethane	<0.35	ug/m3	2.5	0.35	1.75		07/30/22 02:44	76-14-2	
Ethanol	62.5	ug/m3	3.4	1.0	1.75		07/30/22 02:44	64-17-5	
Ethyl acetate	<0.23	ug/m3	1.3	0.23	1.75		07/30/22 02:44	141-78-6	
Ethylbenzene	11.5	ug/m3	1.5	0.54	1.75		07/30/22 02:44	100-41-4	
4-Ethyltoluene	6.0	ug/m3	4.4	0.83	1.75		07/30/22 02:44	622-96-8	
n-Heptane	<0.32	ug/m3	1.5	0.32	1.75		07/30/22 02:44	142-82-5	
Hexachloro-1,3-butadiene	<2.2	ug/m3	9.5	2.2	1.75		07/30/22 02:44	87-68-3	
n-Hexane	90.3	ug/m3	1.3	0.33	1.75		07/30/22 02:44	110-54-3	
2-Hexanone	9.0	ug/m3	7.3	0.77	1.75		07/30/22 02:44	591-78-6	
Methylene Chloride	<1.0	ug/m3	6.2	1.0	1.75		07/30/22 02:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.4J	ug/m3	7.3	0.56	1.75		07/30/22 02:44	108-10-1	
Methyl-tert-butyl ether	<0.22	ug/m3	6.4	0.22	1.75		07/30/22 02:44	1634-04-4	
Naphthalene	4.6J	ug/m3	4.7	3.8	1.75		07/30/22 02:44	91-20-3	
2-Propanol	6.7	ug/m3	4.4	0.89	1.75		07/30/22 02:44	67-63-0	
Propylene	628	ug/m3	91.9	13.6	105		08/01/22 20:14	115-07-1	
Styrene	3.4	ug/m3	1.5	0.67	1.75		07/30/22 02:44	100-42-5	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

**Sample:** SG-3-(21.5-22) **Lab ID:** 60406092011 **Collected:** 07/08/22 11:40 **Received:** 07/19/22 09:50 **Matrix:** Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<0.65	ug/m3	2.4	0.65	1.75		07/30/22 02:44	79-34-5	
Tetrachloroethene	11500	ug/m3	72.3	30.7	105		08/01/22 20:14	127-18-4	
Tetrahydrofuran	<0.32	ug/m3	1.0	0.32	1.75		07/30/22 02:44	109-99-9	
Toluene	83.4	ug/m3	1.3	0.43	1.75		07/30/22 02:44	108-88-3	
1,2,4-Trichlorobenzene	<8.5	ug/m3	13.2	8.5	1.75		07/30/22 02:44	120-82-1	
1,1,1-Trichloroethane	<0.33	ug/m3	1.9	0.33	1.75		07/30/22 02:44	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/m3	0.97	0.34	1.75		07/30/22 02:44	79-00-5	
Trichloroethene	6600	ug/m3	57.3	20.6	105		08/01/22 20:14	79-01-6	
Trichlorofluoromethane	1.6J	ug/m3	2.0	0.41	1.75		07/30/22 02:44	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.60J	ug/m3	2.7	0.51	1.75		07/30/22 02:44	76-13-1	
1,2,4-Trimethylbenzene	15.9	ug/m3	1.7	0.62	1.75		07/30/22 02:44	95-63-6	
1,3,5-Trimethylbenzene	5.4	ug/m3	1.7	0.51	1.75		07/30/22 02:44	108-67-8	
Vinyl acetate	<0.36	ug/m3	1.3	0.36	1.75		07/30/22 02:44	108-05-4	
Vinyl chloride	19.2	ug/m3	0.46	0.15	1.75		07/30/22 02:44	75-01-4	
m&p-Xylene	26.8	ug/m3	3.1	1.1	1.75		07/30/22 02:44	179601-23-1	
o-Xylene	10.7	ug/m3	1.5	0.47	1.75		07/30/22 02:44	95-47-6	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: **SG-3-(4.5-5)** Lab ID: **60406092012** Collected: 07/08/22 11:45 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	456	ug/m3	9.0	2.7	1.49		07/30/22 00:23	67-64-1	
Benzene	12.9	ug/m3	0.48	0.17	1.49		07/30/22 00:23	71-43-2	
Benzyl chloride	<1.3	ug/m3	3.9	1.3	1.49		07/30/22 00:23	100-44-7	
Bromodichloromethane	<0.35	ug/m3	2.0	0.35	1.49		07/30/22 00:23	75-27-4	
Bromoform	<2.4	ug/m3	7.8	2.4	1.49		07/30/22 00:23	75-25-2	
Bromomethane	<0.22	ug/m3	1.2	0.22	1.49		07/30/22 00:23	74-83-9	
1,3-Butadiene	<0.18	ug/m3	0.67	0.18	1.49		07/30/22 00:23	106-99-0	
2-Butanone (MEK)	34.2	ug/m3	4.5	0.69	1.49		07/30/22 00:23	78-93-3	
Carbon disulfide	48.3	ug/m3	0.94	0.19	1.49		07/30/22 00:23	75-15-0	
Carbon tetrachloride	<0.42	ug/m3	1.9	0.42	1.49		07/30/22 00:23	56-23-5	
Chlorobenzene	<0.23	ug/m3	1.4	0.23	1.49		07/30/22 00:23	108-90-7	
Chloroethane	<0.33	ug/m3	0.80	0.33	1.49		07/30/22 00:23	75-00-3	
Chloroform	1.2	ug/m3	0.74	0.27	1.49		07/30/22 00:23	67-66-3	
Chloromethane	0.86	ug/m3	0.63	0.13	1.49		07/30/22 00:23	74-87-3	
Cyclohexane	56.9	ug/m3	2.6	0.33	1.49		07/30/22 00:23	110-82-7	
Dibromochloromethane	<0.77	ug/m3	6.5	0.77	1.49		07/30/22 00:23	124-48-1	
1,2-Dibromoethane (EDB)	<0.45	ug/m3	1.2	0.45	1.49		07/30/22 00:23	106-93-4	
1,2-Dichlorobenzene	<0.60	ug/m3	4.6	0.60	1.49		07/30/22 00:23	95-50-1	
1,3-Dichlorobenzene	<0.76	ug/m3	4.6	0.76	1.49		07/30/22 00:23	541-73-1	
1,4-Dichlorobenzene	2.6J	ug/m3	4.6	1.3	1.49		07/30/22 00:23	106-46-7	
Dichlorodifluoromethane	2.3	ug/m3	1.5	0.28	1.49		07/30/22 00:23	75-71-8	
1,1-Dichloroethane	<0.25	ug/m3	1.2	0.25	1.49		07/30/22 00:23	75-34-3	
1,2-Dichloroethane	<0.29	ug/m3	1.2	0.29	1.49		07/30/22 00:23	107-06-2	
1,1-Dichloroethene	<0.21	ug/m3	1.2	0.21	1.49		07/30/22 00:23	75-35-4	
cis-1,2-Dichloroethene	71.6	ug/m3	1.2	0.29	1.49		07/30/22 00:23	156-59-2	
trans-1,2-Dichloroethene	10.6	ug/m3	1.2	0.25	1.49		07/30/22 00:23	156-60-5	
1,2-Dichloropropane	<0.40	ug/m3	1.4	0.40	1.49		07/30/22 00:23	78-87-5	
cis-1,3-Dichloropropene	<0.38	ug/m3	3.4	0.38	1.49		07/30/22 00:23	10061-01-5	
trans-1,3-Dichloropropene	<0.81	ug/m3	3.4	0.81	1.49		07/30/22 00:23	10061-02-6	
Dichlorotetrafluoroethane	<0.30	ug/m3	2.1	0.30	1.49		07/30/22 00:23	76-14-2	
Ethanol	121	ug/m3	2.9	0.88	1.49		07/30/22 00:23	64-17-5	
Ethyl acetate	<0.20	ug/m3	1.1	0.20	1.49		07/30/22 00:23	141-78-6	
Ethylbenzene	4.7	ug/m3	1.3	0.46	1.49		07/30/22 00:23	100-41-4	
4-Ethyltoluene	3.8	ug/m3	3.7	0.70	1.49		07/30/22 00:23	622-96-8	
n-Heptane	66.3	ug/m3	1.2	0.27	1.49		07/30/22 00:23	142-82-5	
Hexachloro-1,3-butadiene	<1.8	ug/m3	8.1	1.8	1.49		07/30/22 00:23	87-68-3	
n-Hexane	53.6	ug/m3	1.1	0.28	1.49		07/30/22 00:23	110-54-3	
2-Hexanone	<0.66	ug/m3	6.2	0.66	1.49		07/30/22 00:23	591-78-6	
Methylene Chloride	<0.88	ug/m3	5.3	0.88	1.49		07/30/22 00:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	1.9J	ug/m3	6.2	0.48	1.49		07/30/22 00:23	108-10-1	
Methyl-tert-butyl ether	<0.19	ug/m3	5.5	0.19	1.49		07/30/22 00:23	1634-04-4	
Naphthalene	3.4J	ug/m3	4.0	3.2	1.49		07/30/22 00:23	91-20-3	
2-Propanol	13.4	ug/m3	3.7	0.76	1.49		07/30/22 00:23	67-63-0	
Propylene	71.8	ug/m3	1.3	0.19	1.49		07/30/22 00:23	115-07-1	
Styrene	1.6	ug/m3	1.3	0.57	1.49		07/30/22 00:23	100-42-5	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

**Sample: SG-3-(4.5-5)**      **Lab ID: 60406092012**      Collected: 07/08/22 11:45      Received: 07/19/22 09:50      Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<0.55	ug/m3	2.1	0.55	1.49		07/30/22 00:23	79-34-5	
Tetrachloroethene	3060	ug/m3	30.8	13.1	44.7		08/01/22 16:28	127-18-4	
Tetrahydrofuran	<0.27	ug/m3	0.89	0.27	1.49		07/30/22 00:23	109-99-9	
Toluene	22.0	ug/m3	1.1	0.36	1.49		07/30/22 00:23	108-88-3	
1,2,4-Trichlorobenzene	<7.3	ug/m3	11.2	7.3	1.49		07/30/22 00:23	120-82-1	
1,1,1-Trichloroethane	<0.28	ug/m3	1.7	0.28	1.49		07/30/22 00:23	71-55-6	
1,1,2-Trichloroethane	<0.29	ug/m3	0.83	0.29	1.49		07/30/22 00:23	79-00-5	
Trichloroethene	186	ug/m3	0.81	0.29	1.49		07/30/22 00:23	79-01-6	
Trichlorofluoromethane	1.3J	ug/m3	1.7	0.35	1.49		07/30/22 00:23	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.61J	ug/m3	2.3	0.43	1.49		07/30/22 00:23	76-13-1	
1,2,4-Trimethylbenzene	9.3	ug/m3	1.5	0.53	1.49		07/30/22 00:23	95-63-6	
1,3,5-Trimethylbenzene	4.4	ug/m3	1.5	0.43	1.49		07/30/22 00:23	108-67-8	
Vinyl acetate	<0.31	ug/m3	1.1	0.31	1.49		07/30/22 00:23	108-05-4	
Vinyl chloride	<0.13	ug/m3	0.39	0.13	1.49		07/30/22 00:23	75-01-4	
m&p-Xylene	13.0	ug/m3	2.6	0.96	1.49		07/30/22 00:23	179601-23-1	
o-Xylene	6.1	ug/m3	1.3	0.40	1.49		07/30/22 00:23	95-47-6	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: SG-5-(16.6-17) Lab ID: 60406092013 Collected: 07/08/22 14:35 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	302	ug/m3	9.4	2.8	1.55		07/29/22 17:43	67-64-1	
Benzene	18.0	ug/m3	0.50	0.18	1.55		07/29/22 17:43	71-43-2	
Benzyl chloride	<1.4	ug/m3	4.1	1.4	1.55		07/29/22 17:43	100-44-7	
Bromodichloromethane	<0.37	ug/m3	2.1	0.37	1.55		07/29/22 17:43	75-27-4	
Bromoform	<2.5	ug/m3	8.1	2.5	1.55		07/29/22 17:43	75-25-2	
Bromomethane	<0.23	ug/m3	1.2	0.23	1.55		07/29/22 17:43	74-83-9	
1,3-Butadiene	<0.19	ug/m3	0.70	0.19	1.55		07/29/22 17:43	106-99-0	
2-Butanone (MEK)	64.0	ug/m3	4.6	0.72	1.55		07/29/22 17:43	78-93-3	
Carbon disulfide	11.7	ug/m3	0.98	0.20	1.55		07/29/22 17:43	75-15-0	
Carbon tetrachloride	<0.43	ug/m3	2.0	0.43	1.55		07/29/22 17:43	56-23-5	
Chlorobenzene	0.42J	ug/m3	1.5	0.24	1.55		07/29/22 17:43	108-90-7	
Chloroethane	<0.35	ug/m3	0.83	0.35	1.55		07/29/22 17:43	75-00-3	
Chloroform	<0.28	ug/m3	0.77	0.28	1.55		07/29/22 17:43	67-66-3	
Chloromethane	1.1	ug/m3	0.65	0.13	1.55		07/29/22 17:43	74-87-3	
Cyclohexane	20.4	ug/m3	2.7	0.34	1.55		07/29/22 17:43	110-82-7	
Dibromochloromethane	<0.80	ug/m3	6.7	0.80	1.55		07/29/22 17:43	124-48-1	
1,2-Dibromoethane (EDB)	<0.46	ug/m3	1.2	0.46	1.55		07/29/22 17:43	106-93-4	
1,2-Dichlorobenzene	<0.63	ug/m3	4.7	0.63	1.55		07/29/22 17:43	95-50-1	
1,3-Dichlorobenzene	<0.79	ug/m3	4.7	0.79	1.55		07/29/22 17:43	541-73-1	
1,4-Dichlorobenzene	3.0J	ug/m3	4.7	1.4	1.55		07/29/22 17:43	106-46-7	
Dichlorodifluoromethane	2.4	ug/m3	1.6	0.29	1.55		07/29/22 17:43	75-71-8	
1,1-Dichloroethane	<0.26	ug/m3	1.3	0.26	1.55		07/29/22 17:43	75-34-3	
1,2-Dichloroethane	<0.30	ug/m3	1.3	0.30	1.55		07/29/22 17:43	107-06-2	
1,1-Dichloroethene	0.63J	ug/m3	1.2	0.21	1.55		07/29/22 17:43	75-35-4	
cis-1,2-Dichloroethene	7.6	ug/m3	1.2	0.30	1.55		07/29/22 17:43	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/m3	1.2	0.26	1.55		07/29/22 17:43	156-60-5	
1,2-Dichloropropane	<0.42	ug/m3	1.5	0.42	1.55		07/29/22 17:43	78-87-5	
cis-1,3-Dichloropropene	<0.40	ug/m3	3.6	0.40	1.55		07/29/22 17:43	10061-01-5	
trans-1,3-Dichloropropene	<0.84	ug/m3	3.6	0.84	1.55		07/29/22 17:43	10061-02-6	
Dichlorotetrafluoroethane	<0.31	ug/m3	2.2	0.31	1.55		07/29/22 17:43	76-14-2	
Ethanol	72.8	ug/m3	3.0	0.92	1.55		07/29/22 17:43	64-17-5	
Ethyl acetate	1.1J	ug/m3	1.1	0.20	1.55		07/29/22 17:43	141-78-6	
Ethylbenzene	10.5	ug/m3	1.4	0.48	1.55		07/29/22 17:43	100-41-4	
4-Ethyltoluene	5.8	ug/m3	3.9	0.73	1.55		07/29/22 17:43	622-96-8	
n-Heptane	<0.28	ug/m3	1.3	0.28	1.55		07/29/22 17:43	142-82-5	
Hexachloro-1,3-butadiene	<1.9	ug/m3	8.4	1.9	1.55		07/29/22 17:43	87-68-3	
n-Hexane	27.6	ug/m3	1.1	0.30	1.55		07/29/22 17:43	110-54-3	
2-Hexanone	6.5	ug/m3	6.4	0.69	1.55		07/29/22 17:43	591-78-6	
Methylene Chloride	<0.92	ug/m3	5.5	0.92	1.55		07/29/22 17:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	3.2J	ug/m3	6.4	0.50	1.55		07/29/22 17:43	108-10-1	
Methyl-tert-butyl ether	<0.20	ug/m3	5.7	0.20	1.55		07/29/22 17:43	1634-04-4	
Naphthalene	3.5J	ug/m3	4.1	3.4	1.55		07/29/22 17:43	91-20-3	
2-Propanol	5.6	ug/m3	3.9	0.79	1.55		07/29/22 17:43	67-63-0	
Propylene	215	ug/m3	40.7	6.0	46.5		08/01/22 19:41	115-07-1	
Styrene	4.0	ug/m3	1.3	0.60	1.55		07/29/22 17:43	100-42-5	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: **SG-5-(16.6-17)** Lab ID: **60406092013** Collected: 07/08/22 14:35 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<0.58	ug/m3	2.2	0.58	1.55		07/29/22 17:43	79-34-5	
Tetrachloroethene	1700	ug/m3	32.0	13.6	46.5		08/01/22 19:41	127-18-4	
Tetrahydrofuran	<0.28	ug/m3	0.93	0.28	1.55		07/29/22 17:43	109-99-9	
Toluene	96.9	ug/m3	1.2	0.38	1.55		07/29/22 17:43	108-88-3	
1,2,4-Trichlorobenzene	<7.6	ug/m3	11.7	7.6	1.55		07/29/22 17:43	120-82-1	
1,1,1-Trichloroethane	<0.29	ug/m3	1.7	0.29	1.55		07/29/22 17:43	71-55-6	
1,1,2-Trichloroethane	<0.31	ug/m3	0.86	0.31	1.55		07/29/22 17:43	79-00-5	
Trichloroethene	103	ug/m3	0.85	0.30	1.55		07/29/22 17:43	79-01-6	
Trichlorofluoromethane	1.4J	ug/m3	1.8	0.36	1.55		07/29/22 17:43	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.74J	ug/m3	2.4	0.45	1.55		07/29/22 17:43	76-13-1	
1,2,4-Trimethylbenzene	15.8	ug/m3	1.5	0.55	1.55		07/29/22 17:43	95-63-6	
1,3,5-Trimethylbenzene	5.2	ug/m3	1.5	0.45	1.55		07/29/22 17:43	108-67-8	
Vinyl acetate	<0.32	ug/m3	1.1	0.32	1.55		07/29/22 17:43	108-05-4	
Vinyl chloride	0.22J	ug/m3	0.40	0.13	1.55		07/29/22 17:43	75-01-4	
m&p-Xylene	28.0	ug/m3	2.7	1.0	1.55		07/29/22 17:43	179601-23-1	
o-Xylene	11.5	ug/m3	1.4	0.42	1.55		07/29/22 17:43	95-47-6	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

**Sample:** SG-5-(4.5-5) **Lab ID:** 60406092014 **Collected:** 07/08/22 14:40 **Received:** 07/19/22 09:50 **Matrix:** Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Dichlorodifluoromethane	2.3	ug/m3	1.5	0.27	1.46		07/29/22 18:20	75-71-8	
Chloromethane	0.31J	ug/m3	0.61	0.12	1.46		07/29/22 18:20	74-87-3	
Dichlorotetrafluoroethane	<0.29	ug/m3	2.1	0.29	1.46		07/29/22 18:20	76-14-2	
Vinyl chloride	<0.13	ug/m3	0.38	0.13	1.46		07/29/22 18:20	75-01-4	
Bromomethane	<0.22	ug/m3	1.2	0.22	1.46		07/29/22 18:20	74-83-9	
Chloroethane	<0.33	ug/m3	0.78	0.33	1.46		07/29/22 18:20	75-00-3	
Trichlorofluoromethane	1.4J	ug/m3	1.7	0.34	1.46		07/29/22 18:20	75-69-4	
1,1-Dichloroethene	<0.20	ug/m3	1.2	0.20	1.46		07/29/22 18:20	75-35-4	
1,1,2-Trichlorotrifluoroethane	0.47J	ug/m3	2.3	0.42	1.46		07/29/22 18:20	76-13-1	
Methylene Chloride	<0.87	ug/m3	5.2	0.87	1.46		07/29/22 18:20	75-09-2	
1,1-Dichloroethane	<0.24	ug/m3	1.2	0.24	1.46		07/29/22 18:20	75-34-3	
cis-1,2-Dichloroethene	0.42J	ug/m3	1.2	0.28	1.46		07/29/22 18:20	156-59-2	
Chloroform	0.82	ug/m3	0.72	0.27	1.46		07/29/22 18:20	67-66-3	
1,1,1-Trichloroethane	<0.27	ug/m3	1.6	0.27	1.46		07/29/22 18:20	71-55-6	
1,1,2-Trichloroethane	<0.29	ug/m3	0.81	0.29	1.46		07/29/22 18:20	79-00-5	
1,2-Dichloroethane	<0.28	ug/m3	1.2	0.28	1.46		07/29/22 18:20	107-06-2	
Benzene	3.2	ug/m3	0.47	0.17	1.46		07/29/22 18:20	71-43-2	
Carbon tetrachloride	<0.41	ug/m3	1.9	0.41	1.46		07/29/22 18:20	56-23-5	
1,2-Dichloropropane	<0.39	ug/m3	1.4	0.39	1.46		07/29/22 18:20	78-87-5	
Trichloroethene	6.7	ug/m3	0.80	0.29	1.46		07/29/22 18:20	79-01-6	
cis-1,3-Dichloropropene	<0.37	ug/m3	3.4	0.37	1.46		07/29/22 18:20	10061-01-5	
trans-1,3-Dichloropropene	<0.79	ug/m3	3.4	0.79	1.46		07/29/22 18:20	10061-02-6	
Toluene	36.9	ug/m3	1.1	0.36	1.46		07/29/22 18:20	108-88-3	
1,2-Dibromoethane (EDB)	<0.44	ug/m3	1.1	0.44	1.46		07/29/22 18:20	106-93-4	
Tetrachloroethene	2900	ug/m3	30.2	12.8	43.8		08/01/22 18:37	127-18-4	
Chlorobenzene	<0.23	ug/m3	1.4	0.23	1.46		07/29/22 18:20	108-90-7	
Ethylbenzene	9.4	ug/m3	1.3	0.45	1.46		07/29/22 18:20	100-41-4	
m&p-Xylene	26.3	ug/m3	2.6	0.94	1.46		07/29/22 18:20	179601-23-1	
o-Xylene	10.9	ug/m3	1.3	0.40	1.46		07/29/22 18:20	95-47-6	
Styrene	2.3	ug/m3	1.3	0.56	1.46		07/29/22 18:20	100-42-5	
1,1,2,2-Tetrachloroethane	<0.54	ug/m3	2.0	0.54	1.46		07/29/22 18:20	79-34-5	
1,3,5-Trimethylbenzene	7.0	ug/m3	1.5	0.42	1.46		07/29/22 18:20	108-67-8	
1,2,4-Trimethylbenzene	25.1	ug/m3	1.5	0.52	1.46		07/29/22 18:20	95-63-6	
1,3-Dichlorobenzene	<0.74	ug/m3	4.5	0.74	1.46		07/29/22 18:20	541-73-1	
1,4-Dichlorobenzene	2.3J	ug/m3	4.5	1.3	1.46		07/29/22 18:20	106-46-7	
1,2-Dichlorobenzene	<0.59	ug/m3	4.5	0.59	1.46		07/29/22 18:20	95-50-1	
1,2,4-Trichlorobenzene	<7.1	ug/m3	11.0	7.1	1.46		07/29/22 18:20	120-82-1	
Hexachloro-1,3-butadiene	<1.8	ug/m3	7.9	1.8	1.46		07/29/22 18:20	87-68-3	
Tetrahydrofuran	2.5	ug/m3	0.88	0.26	1.46		07/29/22 18:20	109-99-9	
Acetone	502	ug/m3	8.8	2.6	1.46		07/29/22 18:20	67-64-1	
2-Butanone (MEK)	60.5	ug/m3	4.4	0.68	1.46		07/29/22 18:20	78-93-3	
n-Hexane	4.8	ug/m3	1.0	0.28	1.46		07/29/22 18:20	110-54-3	
Methyl-tert-butyl ether	<0.18	ug/m3	5.3	0.18	1.46		07/29/22 18:20	1634-04-4	
Dibromochloromethane	<0.75	ug/m3	6.3	0.75	1.46		07/29/22 18:20	124-48-1	
1,3-Butadiene	<0.18	ug/m3	0.66	0.18	1.46		07/29/22 18:20	106-99-0	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: **SG-5-(4.5-5)** Lab ID: **60406092014** Collected: 07/08/22 14:40 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Carbon disulfide	1.6	ug/m3	0.92	0.19	1.46		07/29/22 18:20	75-15-0	
Vinyl acetate	<0.30	ug/m3	1.0	0.30	1.46		07/29/22 18:20	108-05-4	
Cyclohexane	4.5	ug/m3	2.6	0.32	1.46		07/29/22 18:20	110-82-7	
Ethyl acetate	<0.19	ug/m3	1.1	0.19	1.46		07/29/22 18:20	141-78-6	
4-Methyl-2-pentanone (MIBK)	1.9J	ug/m3	6.1	0.47	1.46		07/29/22 18:20	108-10-1	
2-Hexanone	2.8J	ug/m3	6.1	0.65	1.46		07/29/22 18:20	591-78-6	
Bromoform	<2.4	ug/m3	7.7	2.4	1.46		07/29/22 18:20	75-25-2	
trans-1,2-Dichloroethene	<0.25	ug/m3	1.2	0.25	1.46		07/29/22 18:20	156-60-5	
Bromodichloromethane	<0.35	ug/m3	2.0	0.35	1.46		07/29/22 18:20	75-27-4	
n-Heptane	6.9	ug/m3	1.2	0.26	1.46		07/29/22 18:20	142-82-5	
Propylene	38.2	ug/m3	1.3	0.19	1.46		07/29/22 18:20	115-07-1	
4-Ethyltoluene	7.3	ug/m3	3.6	0.69	1.46		07/29/22 18:20	622-96-8	
Naphthalene	4.0	ug/m3	3.9	3.2	1.46		07/29/22 18:20	91-20-3	
Ethanol	127	ug/m3	2.8	0.86	1.46		07/29/22 18:20	64-17-5	
2-Propanol	11.6	ug/m3	3.6	0.74	1.46		07/29/22 18:20	67-63-0	
Benzyl chloride	<1.3	ug/m3	3.8	1.3	1.46		07/29/22 18:20	100-44-7	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

**Sample: SG-6-(22.5-23)**      **Lab ID: 60406092015**      Collected: 07/08/22 15:10      Received: 07/19/22 09:50      Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Dichlorodifluoromethane	2.4	ug/m3	1.6	0.30	1.61		07/29/22 19:32	75-71-8	
Chloromethane	1.8	ug/m3	0.68	0.14	1.61		07/29/22 19:32	74-87-3	
Dichlorotetrafluoroethane	<0.33	ug/m3	2.3	0.33	1.61		07/29/22 19:32	76-14-2	
Vinyl chloride	2.7	ug/m3	0.42	0.14	1.61		07/29/22 19:32	75-01-4	
Bromomethane	<0.24	ug/m3	1.3	0.24	1.61		07/29/22 19:32	74-83-9	
Chloroethane	0.48J	ug/m3	0.86	0.36	1.61		07/29/22 19:32	75-00-3	
Trichlorofluoromethane	1.4J	ug/m3	1.8	0.38	1.61		07/29/22 19:32	75-69-4	
1,1-Dichloroethene	9.1	ug/m3	1.3	0.22	1.61		07/29/22 19:32	75-35-4	
1,1,2-Trichlorotrifluoroethane	0.72J	ug/m3	2.5	0.47	1.61		07/29/22 19:32	76-13-1	
Methylene Chloride	<0.95	ug/m3	5.7	0.95	1.61		07/29/22 19:32	75-09-2	
1,1-Dichloroethane	<0.27	ug/m3	1.3	0.27	1.61		07/29/22 19:32	75-34-3	
cis-1,2-Dichloroethene	424	ug/m3	38.9	9.4	48.3		08/01/22 17:32	156-59-2	
Chloroform	<0.29	ug/m3	0.80	0.29	1.61		07/29/22 19:32	67-66-3	
1,1,1-Trichloroethane	<0.30	ug/m3	1.8	0.30	1.61		07/29/22 19:32	71-55-6	
1,1,2-Trichloroethane	<0.32	ug/m3	0.89	0.32	1.61		07/29/22 19:32	79-00-5	
1,2-Dichloroethane	<0.31	ug/m3	1.3	0.31	1.61		07/29/22 19:32	107-06-2	
Benzene	15.2	ug/m3	0.52	0.18	1.61		07/29/22 19:32	71-43-2	
Carbon tetrachloride	<0.45	ug/m3	2.1	0.45	1.61		07/29/22 19:32	56-23-5	
1,2-Dichloropropane	<0.43	ug/m3	1.5	0.43	1.61		07/29/22 19:32	78-87-5	
Trichloroethene	831	ug/m3	26.4	9.5	48.3		08/01/22 17:32	79-01-6	
cis-1,3-Dichloropropene	<0.41	ug/m3	3.7	0.41	1.61		07/29/22 19:32	10061-01-5	
trans-1,3-Dichloropropene	<0.88	ug/m3	3.7	0.88	1.61		07/29/22 19:32	10061-02-6	
Toluene	59.8	ug/m3	1.2	0.39	1.61		07/29/22 19:32	108-88-3	
1,2-Dibromoethane (EDB)	<0.48	ug/m3	1.3	0.48	1.61		07/29/22 19:32	106-93-4	
Tetrachloroethene	3010	ug/m3	33.3	14.1	48.3		08/01/22 17:32	127-18-4	
Chlorobenzene	<0.25	ug/m3	1.5	0.25	1.61		07/29/22 19:32	108-90-7	
Ethylbenzene	10.1	ug/m3	1.4	0.50	1.61		07/29/22 19:32	100-41-4	
m&p-Xylene	24.2	ug/m3	2.8	1.0	1.61		07/29/22 19:32	179601-23-1	
o-Xylene	9.8	ug/m3	1.4	0.44	1.61		07/29/22 19:32	95-47-6	
Styrene	3.7	ug/m3	1.4	0.62	1.61		07/29/22 19:32	100-42-5	
1,1,2,2-Tetrachloroethane	<0.60	ug/m3	2.3	0.60	1.61		07/29/22 19:32	79-34-5	
1,3,5-Trimethylbenzene	6.6	ug/m3	1.6	0.47	1.61		07/29/22 19:32	108-67-8	
1,2,4-Trimethylbenzene	16.4	ug/m3	1.6	0.57	1.61		07/29/22 19:32	95-63-6	
1,3-Dichlorobenzene	<0.82	ug/m3	4.9	0.82	1.61		07/29/22 19:32	541-73-1	
1,4-Dichlorobenzene	4.0J	ug/m3	4.9	1.4	1.61		07/29/22 19:32	106-46-7	
1,2-Dichlorobenzene	<0.65	ug/m3	4.9	0.65	1.61		07/29/22 19:32	95-50-1	
1,2,4-Trichlorobenzene	8.2J	ug/m3	12.1	7.9	1.61		07/29/22 19:32	120-82-1	
Hexachloro-1,3-butadiene	<2.0	ug/m3	8.7	2.0	1.61		07/29/22 19:32	87-68-3	
Tetrahydrofuran	<0.29	ug/m3	0.97	0.29	1.61		07/29/22 19:32	109-99-9	
Acetone	339	ug/m3	9.7	2.9	1.61		07/29/22 19:32	67-64-1	
2-Butanone (MEK)	99.9	ug/m3	4.8	0.75	1.61		07/29/22 19:32	78-93-3	
n-Hexane	97.1	ug/m3	1.2	0.31	1.61		07/29/22 19:32	110-54-3	
Methyl-tert-butyl ether	<0.20	ug/m3	5.9	0.20	1.61		07/29/22 19:32	1634-04-4	
Dibromochloromethane	<0.83	ug/m3	7.0	0.83	1.61		07/29/22 19:32	124-48-1	
1,3-Butadiene	<0.19	ug/m3	0.72	0.19	1.61		07/29/22 19:32	106-99-0	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

Sample: **SG-6-(22.5-23)** Lab ID: **60406092015** Collected: 07/08/22 15:10 Received: 07/19/22 09:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Carbon disulfide	<b>10.7</b>	ug/m3	1.0	0.21	1.61		07/29/22 19:32	75-15-0	
Vinyl acetate	<b>&lt;0.33</b>	ug/m3	1.2	0.33	1.61		07/29/22 19:32	108-05-4	
Cyclohexane	<b>443</b>	ug/m3	84.5	10.7	48.3		08/01/22 17:32	110-82-7	
Ethyl acetate	<b>&lt;0.21</b>	ug/m3	1.2	0.21	1.61		07/29/22 19:32	141-78-6	
4-Methyl-2-pentanone (MIBK)	<b>&lt;0.52</b>	ug/m3	6.7	0.52	1.61		07/29/22 19:32	108-10-1	
2-Hexanone	<b>&lt;0.71</b>	ug/m3	6.7	0.71	1.61		07/29/22 19:32	591-78-6	
Bromoform	<b>&lt;2.6</b>	ug/m3	8.5	2.6	1.61		07/29/22 19:32	75-25-2	
trans-1,2-Dichloroethene	<b>3.8</b>	ug/m3	1.3	0.27	1.61		07/29/22 19:32	156-60-5	
Bromodichloromethane	<b>1.2J</b>	ug/m3	2.2	0.38	1.61		07/29/22 19:32	75-27-4	
n-Heptane	<b>235</b>	ug/m3	1.3	0.29	1.61		07/29/22 19:32	142-82-5	
Propylene	<b>313</b>	ug/m3	42.3	6.3	48.3		08/01/22 17:32	115-07-1	
4-Ethyltoluene	<b>6.3</b>	ug/m3	4.0	0.76	1.61		07/29/22 19:32	622-96-8	
Naphthalene	<b>6.5</b>	ug/m3	4.3	3.5	1.61		07/29/22 19:32	91-20-3	
Ethanol	<b>55.3</b>	ug/m3	3.1	0.95	1.61		07/29/22 19:32	64-17-5	
2-Propanol	<b>5.4</b>	ug/m3	4.0	0.82	1.61		07/29/22 19:32	67-63-0	
Benzyl chloride	<b>8.1</b>	ug/m3	4.2	1.4	1.61		07/29/22 19:32	100-44-7	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

**Sample:** SG-6-(4.5-5) **Lab ID:** 60406092016 **Collected:** 07/08/22 15:15 **Received:** 07/19/22 09:50 **Matrix:** Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	645	ug/m3	18.0	5.4	2.98		08/02/22 11:55	67-64-1	
Benzene	4.1	ug/m3	0.97	0.34	2.98		08/02/22 11:55	71-43-2	
Benzyl chloride	<2.7	ug/m3	15.7	2.7	2.98		08/02/22 11:55	100-44-7	
Bromodichloromethane	<0.71	ug/m3	4.1	0.71	2.98		08/02/22 11:55	75-27-4	
Bromoform	<4.8	ug/m3	15.6	4.8	2.98		08/02/22 11:55	75-25-2	
Bromomethane	<0.45	ug/m3	2.4	0.45	2.98		08/02/22 11:55	74-83-9	
1,3-Butadiene	<0.36	ug/m3	1.3	0.36	2.98		08/02/22 11:55	106-99-0	
2-Butanone (MEK)	27.6	ug/m3	8.9	1.4	2.98		08/02/22 11:55	78-93-3	
Carbon disulfide	1.2J	ug/m3	1.9	0.38	2.98		08/02/22 11:55	75-15-0	
Carbon tetrachloride	<0.83	ug/m3	3.8	0.83	2.98		08/02/22 11:55	56-23-5	
Chlorobenzene	1.1J	ug/m3	2.8	0.46	2.98		08/02/22 11:55	108-90-7	
Chloroethane	<0.67	ug/m3	4.0	0.67	2.98		08/02/22 11:55	75-00-3	
Chloroform	<0.55	ug/m3	1.5	0.55	2.98		08/02/22 11:55	67-66-3	
Chloromethane	1.1J	ug/m3	1.3	0.25	2.98		08/02/22 11:55	74-87-3	
Cyclohexane	2.3J	ug/m3	5.2	0.66	2.98		08/02/22 11:55	110-82-7	
Dibromochloromethane	<1.5	ug/m3	5.2	1.5	2.98		08/02/22 11:55	124-48-1	
1,2-Dibromoethane (EDB)	<0.89	ug/m3	2.3	0.89	2.98		08/02/22 11:55	106-93-4	
1,2-Dichlorobenzene	<1.2	ug/m3	9.1	1.2	2.98		08/02/22 11:55	95-50-1	
1,3-Dichlorobenzene	<1.5	ug/m3	9.1	1.5	2.98		08/02/22 11:55	541-73-1	
1,4-Dichlorobenzene	<2.6	ug/m3	9.1	2.6	2.98		08/02/22 11:55	106-46-7	
Dichlorodifluoromethane	2.8J	ug/m3	3.0	0.56	2.98		08/02/22 11:55	75-71-8	
1,1-Dichloroethane	<0.49	ug/m3	2.5	0.49	2.98		08/02/22 11:55	75-34-3	
1,2-Dichloroethane	<0.58	ug/m3	2.5	0.58	2.98		08/02/22 11:55	107-06-2	
1,1-Dichloroethene	<0.41	ug/m3	2.4	0.41	2.98		08/02/22 11:55	75-35-4	
cis-1,2-Dichloroethene	<0.58	ug/m3	2.4	0.58	2.98		08/02/22 11:55	156-59-2	
trans-1,2-Dichloroethene	<0.50	ug/m3	2.4	0.50	2.98		08/02/22 11:55	156-60-5	
1,2-Dichloropropane	<0.80	ug/m3	2.8	0.80	2.98		08/02/22 11:55	78-87-5	
cis-1,3-Dichloropropene	<0.76	ug/m3	6.9	0.76	2.98		08/02/22 11:55	10061-01-5	
trans-1,3-Dichloropropene	<1.6	ug/m3	6.9	1.6	2.98		08/02/22 11:55	10061-02-6	
Dichlorotetrafluoroethane	<0.60	ug/m3	4.2	0.60	2.98		08/02/22 11:55	76-14-2	
Ethanol	112	ug/m3	5.7	1.8	2.98		08/02/22 11:55	64-17-5	
Ethyl acetate	<0.39	ug/m3	2.2	0.39	2.98		08/02/22 11:55	141-78-6	
Ethylbenzene	19.2	ug/m3	2.6	0.92	2.98		08/02/22 11:55	100-41-4	
4-Ethyltoluene	12.6	ug/m3	7.4	1.4	2.98		08/02/22 11:55	622-96-8	
n-Heptane	4.3	ug/m3	2.5	0.54	2.98		08/02/22 11:55	142-82-5	
Hexachloro-1,3-butadiene	<3.7	ug/m3	16.2	3.7	2.98		08/02/22 11:55	87-68-3	
n-Hexane	3.5	ug/m3	2.1	0.57	2.98		08/02/22 11:55	110-54-3	
2-Hexanone	3.4J	ug/m3	12.4	1.3	2.98		08/02/22 11:55	591-78-6	
Methylene Chloride	<1.8	ug/m3	10.5	1.8	2.98		08/02/22 11:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	2.6J	ug/m3	12.4	0.96	2.98		08/02/22 11:55	108-10-1	
Methyl-tert-butyl ether	<0.38	ug/m3	10.9	0.38	2.98		08/02/22 11:55	1634-04-4	
Naphthalene	6.5J	ug/m3	7.9	6.5	2.98		08/02/22 11:55	91-20-3	
2-Propanol	24.7	ug/m3	7.4	1.5	2.98		08/02/22 11:55	67-63-0	
Propylene	40.6	ug/m3	2.6	0.39	2.98		08/02/22 11:55	115-07-1	
Styrene	4.5	ug/m3	2.6	1.1	2.98		08/02/22 11:55	100-42-5	

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## ANALYTICAL RESULTS

Project: 31st and Prospect

Pace Project No.: 60406092

**Sample: SG-6-(4.5-5)**      **Lab ID: 60406092016**      Collected: 07/08/22 15:15      Received: 07/19/22 09:50      Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<1.1	ug/m3	4.2	1.1	2.98		08/02/22 11:55	79-34-5	
Tetrachloroethene	287	ug/m3	2.1	0.87	2.98		08/02/22 11:55	127-18-4	
Tetrahydrofuran	4.5	ug/m3	1.8	0.54	2.98		08/02/22 11:55	109-99-9	
Toluene	123	ug/m3	2.3	0.73	2.98		08/02/22 11:55	108-88-3	
1,2,4-Trichlorobenzene	<14.5	ug/m3	22.5	14.5	2.98		08/02/22 11:55	120-82-1	
1,1,1-Trichloroethane	<0.55	ug/m3	3.3	0.55	2.98		08/02/22 11:55	71-55-6	
1,1,2-Trichloroethane	<0.59	ug/m3	1.7	0.59	2.98		08/02/22 11:55	79-00-5	
Trichloroethene	3.4	ug/m3	1.6	0.58	2.98		08/02/22 11:55	79-01-6	
Trichlorofluoromethane	1.5J	ug/m3	3.4	0.69	2.98		08/02/22 11:55	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.86	ug/m3	4.6	0.86	2.98		08/02/22 11:55	76-13-1	
1,2,4-Trimethylbenzene	51.2	ug/m3	3.0	1.1	2.98		08/02/22 11:55	95-63-6	
1,3,5-Trimethylbenzene	14.4	ug/m3	3.0	0.86	2.98		08/02/22 11:55	108-67-8	
Vinyl acetate	<0.62	ug/m3	2.1	0.62	2.98		08/02/22 11:55	108-05-4	
Vinyl chloride	<0.26	ug/m3	0.77	0.26	2.98		08/02/22 11:55	75-01-4	
m&p-Xylene	70.1	ug/m3	5.3	1.9	2.98		08/02/22 11:55	179601-23-1	
o-Xylene	27.3	ug/m3	2.6	0.81	2.98		08/02/22 11:55	95-47-6	

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 31st and Prospect

Pace Project No.: 60406092

QC Batch:	831389	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15 MSV AIR Low Level
		Laboratory:	Pace Analytical Services - Minneapolis
Associated Lab Samples:	60406092001, 60406092002, 60406092003, 60406092005, 60406092008, 60406092009, 60406092010, 60406092011, 60406092012, 60406092013, 60406092014, 60406092015		

METHOD BLANK: 4404479

Matrix: Air

Associated Lab Samples: 60406092001, 60406092002, 60406092003, 60406092005, 60406092008, 60406092009, 60406092010, 60406092011, 60406092012, 60406092013, 60406092014, 60406092015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.093	0.56	0.093	07/29/22 12:22	
1,1,2,2-Tetrachloroethane	ug/m3	<0.19	0.70	0.19	07/29/22 12:22	
1,1,2-Trichloroethane	ug/m3	<0.098	0.28	0.098	07/29/22 12:22	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.14	0.78	0.14	07/29/22 12:22	
1,1-Dichloroethane	ug/m3	<0.082	0.41	0.082	07/29/22 12:22	
1,1-Dichloroethene	ug/m3	<0.069	0.40	0.069	07/29/22 12:22	
1,2,4-Trichlorobenzene	ug/m3	2.6J	3.8	2.4	07/29/22 12:22	
1,2,4-Trimethylbenzene	ug/m3	<0.18	0.50	0.18	07/29/22 12:22	
1,2-Dibromoethane (EDB)	ug/m3	<0.15	0.39	0.15	07/29/22 12:22	
1,2-Dichlorobenzene	ug/m3	<0.20	1.5	0.20	07/29/22 12:22	
1,2-Dichloroethane	ug/m3	<0.097	0.41	0.097	07/29/22 12:22	
1,2-Dichloropropane	ug/m3	<0.13	0.47	0.13	07/29/22 12:22	
1,3,5-Trimethylbenzene	ug/m3	<0.14	0.50	0.14	07/29/22 12:22	
1,3-Butadiene	ug/m3	<0.060	0.22	0.060	07/29/22 12:22	
1,3-Dichlorobenzene	ug/m3	<0.25	1.5	0.25	07/29/22 12:22	
1,4-Dichlorobenzene	ug/m3	<0.44	1.5	0.44	07/29/22 12:22	
2-Butanone (MEK)	ug/m3	<0.23	1.5	0.23	07/29/22 12:22	
2-Hexanone	ug/m3	<0.22	2.1	0.22	07/29/22 12:22	
2-Propanol	ug/m3	<0.25	1.2	0.25	07/29/22 12:22	
4-Ethyltoluene	ug/m3	<0.24	1.2	0.24	07/29/22 12:22	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.16	2.1	0.16	07/29/22 12:22	
Acetone	ug/m3	<0.90	3.0	0.90	07/29/22 12:22	
Benzene	ug/m3	<0.057	0.16	0.057	07/29/22 12:22	
Benzyl chloride	ug/m3	<0.44	1.3	0.44	07/29/22 12:22	
Bromodichloromethane	ug/m3	<0.12	0.68	0.12	07/29/22 12:22	
Bromoform	ug/m3	<0.81	2.6	0.81	07/29/22 12:22	
Bromomethane	ug/m3	<0.075	0.39	0.075	07/29/22 12:22	
Carbon disulfide	ug/m3	<0.064	0.32	0.064	07/29/22 12:22	
Carbon tetrachloride	ug/m3	<0.14	0.64	0.14	07/29/22 12:22	
Chlorobenzene	ug/m3	<0.078	0.47	0.078	07/29/22 12:22	
Chloroethane	ug/m3	<0.11	0.27	0.11	07/29/22 12:22	
Chloroform	ug/m3	<0.092	0.25	0.092	07/29/22 12:22	
Chloromethane	ug/m3	<0.043	0.21	0.043	07/29/22 12:22	
cis-1,2-Dichloroethene	ug/m3	<0.098	0.40	0.098	07/29/22 12:22	
cis-1,3-Dichloropropene	ug/m3	<0.13	1.2	0.13	07/29/22 12:22	
Cyclohexane	ug/m3	<0.11	0.88	0.11	07/29/22 12:22	
Dibromochloromethane	ug/m3	<0.26	2.2	0.26	07/29/22 12:22	MN
Dichlorodifluoromethane	ug/m3	<0.094	0.50	0.094	07/29/22 12:22	
Dichlorotetrafluoroethane	ug/m3	<0.10	0.71	0.10	07/29/22 12:22	

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

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## QUALITY CONTROL DATA

Project: 31st and Prospect

Pace Project No.: 60406092

METHOD BLANK: 4404479

Matrix: Air

Associated Lab Samples: 60406092001, 60406092002, 60406092003, 60406092005, 60406092008, 60406092009, 60406092010, 60406092011, 60406092012, 60406092013, 60406092014, 60406092015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Ethanol	ug/m3	0.33J	0.96	0.30	07/29/22 12:22	
Ethyl acetate	ug/m3	<0.066	0.37	0.066	07/29/22 12:22	
Ethylbenzene	ug/m3	<0.15	0.44	0.15	07/29/22 12:22	
Hexachloro-1,3-butadiene	ug/m3	<0.62	2.7	0.62	07/29/22 12:22	
m&p-Xylene	ug/m3	<0.32	0.88	0.32	07/29/22 12:22	
Methyl-tert-butyl ether	ug/m3	<0.063	1.8	0.063	07/29/22 12:22	
Methylene Chloride	ug/m3	<0.30	1.8	0.30	07/29/22 12:22	
n-Heptane	ug/m3	<0.090	0.42	0.090	07/29/22 12:22	
n-Hexane	ug/m3	<0.096	0.36	0.096	07/29/22 12:22	
Naphthalene	ug/m3	<1.1	1.3	1.1	07/29/22 12:22	
o-Xylene	ug/m3	<0.14	0.44	0.14	07/29/22 12:22	
Propylene	ug/m3	<0.065	0.44	0.065	07/29/22 12:22	
Styrene	ug/m3	<0.19	0.43	0.19	07/29/22 12:22	
Tetrachloroethene	ug/m3	<0.15	0.34	0.15	07/29/22 12:22	
Tetrahydrofuran	ug/m3	<0.090	0.30	0.090	07/29/22 12:22	
Toluene	ug/m3	<0.12	0.38	0.12	07/29/22 12:22	
trans-1,2-Dichloroethene	ug/m3	<0.084	0.40	0.084	07/29/22 12:22	
trans-1,3-Dichloropropene	ug/m3	<0.27	1.2	0.27	07/29/22 12:22	
Trichloroethene	ug/m3	<0.098	0.27	0.098	07/29/22 12:22	
Trichlorofluoromethane	ug/m3	<0.12	0.57	0.12	07/29/22 12:22	
Vinyl acetate	ug/m3	<0.10	0.36	0.10	07/29/22 12:22	
Vinyl chloride	ug/m3	<0.043	0.13	0.043	07/29/22 12:22	

LABORATORY CONTROL SAMPLE: 4404480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	59.3	62.8	106	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	75.4	83.6	111	70-132	
1,1,2-Trichloroethane	ug/m3	59.6	62.9	106	70-131	
1,1,2-Trichlorotrifluoroethane	ug/m3	83.6	84.2	101	70-130	
1,1-Dichloroethane	ug/m3	43.9	43.3	99	70-130	
1,1-Dichloroethene	ug/m3	43.5	44.7	103	70-130	
1,2,4-Trichlorobenzene	ug/m3	177	176	99	70-130	
1,2,4-Trimethylbenzene	ug/m3	54	54.5	101	70-137	
1,2-Dibromoethane (EDB)	ug/m3	82.5	93.6	113	70-137	
1,2-Dichlorobenzene	ug/m3	66.2	69.2	105	70-131	
1,2-Dichloroethane	ug/m3	44.4	46.3	104	70-134	
1,2-Dichloropropane	ug/m3	50.6	52.3	103	70-130	
1,3,5-Trimethylbenzene	ug/m3	53.7	55.1	103	70-131	
1,3-Butadiene	ug/m3	24.2	25.2	104	70-139	
1,3-Dichlorobenzene	ug/m3	66.3	68.3	103	70-134	
1,4-Dichlorobenzene	ug/m3	66.3	66.1	100	70-131	
2-Butanone (MEK)	ug/m3	32.3	33.1	103	70-133	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 31st and Prospect

Pace Project No.: 60406092

LABORATORY CONTROL SAMPLE: 4404480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/m3	44.8	44.0	98	70-136	
2-Propanol	ug/m3	149	150	101	65-133	
4-Ethyltoluene	ug/m3	53.7	53.7	100	70-130	
4-Methyl-2-pentanone (MIBK)	ug/m3	44.9	45.3	101	70-130	
Acetone	ug/m3	128	134	105	60-134	
Benzene	ug/m3	34.8	34.4	99	70-130	
Benzyl chloride	ug/m3	57.6	55.5	96	70-130	
Bromodichloromethane	ug/m3	73.1	83.1	114	70-130	
Bromoform	ug/m3	114	118	103	70-138	
Bromomethane	ug/m3	42.5	43.1	102	68-131	
Carbon disulfide	ug/m3	34.4	35.4	103	70-130	
Carbon tetrachloride	ug/m3	69.4	81.1	117	70-132	
Chlorobenzene	ug/m3	50.2	51.5	103	70-130	
Chloroethane	ug/m3	28.8	28.8	100	70-134	
Chloroform	ug/m3	52.4	52.8	101	70-130	
Chloromethane	ug/m3	22.6	22.9	102	68-131	
cis-1,2-Dichloroethene	ug/m3	43.4	43.7	101	70-136	
cis-1,3-Dichloropropene	ug/m3	49.4	49.1	99	70-130	
Cyclohexane	ug/m3	37.4	41.2	110	70-131	
Dibromochloromethane	ug/m3	93.2	95.2	102	70-134	
Dichlorodifluoromethane	ug/m3	54.6	54.2	99	70-130	
Dichlorotetrafluoroethane	ug/m3	71.2	72.1	101	70-130	
Ethanol	ug/m3	124	116	94	55-145	
Ethyl acetate	ug/m3	38.9	40.7	105	70-135	
Ethylbenzene	ug/m3	47.8	56.8	119	70-133	
Hexachloro-1,3-butadiene	ug/m3	133	160	120	70-132	
m&p-Xylene	ug/m3	95.4	95.1	100	70-134	
Methyl-tert-butyl ether	ug/m3	39.6	41.9	106	70-131	
Methylene Chloride	ug/m3	190	193	101	65-132	
n-Heptane	ug/m3	44.6	47.5	106	70-130	
n-Hexane	ug/m3	38	40.1	105	70-132	
Naphthalene	ug/m3	65.2	64.2	98	70-130	
o-Xylene	ug/m3	47.6	48.1	101	70-134	
Propylene	ug/m3	18.9	16.8	89	69-133	
Styrene	ug/m3	47	48.1	102	70-135	
Tetrachloroethene	ug/m3	73.4	76.4	104	70-134	
Tetrahydrofuran	ug/m3	32.1	34.7	108	70-140	
Toluene	ug/m3	41.6	42.0	101	70-136	
trans-1,2-Dichloroethene	ug/m3	43.6	43.2	99	70-134	
trans-1,3-Dichloropropene	ug/m3	50.5	48.9	97	70-131	
Trichloroethene	ug/m3	58.4	62.1	106	70-134	
Trichlorofluoromethane	ug/m3	62	66.7	107	63-130	
Vinyl acetate	ug/m3	46.4	50.4	109	70-139	
Vinyl chloride	ug/m3	28	28.8	103	70-132	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 31st and Prospect

Pace Project No.: 60406092

SAMPLE DUPLICATE: 4406121

Parameter	Units	60406092014 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.27	<0.27		25	
1,1,2,2-Tetrachloroethane	ug/m3	<0.54	<0.54		25	
1,1,2-Trichloroethane	ug/m3	<0.29	<0.29		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	0.47J	0.54J		25	
1,1-Dichloroethane	ug/m3	<0.24	<0.24		25	
1,1-Dichloroethene	ug/m3	<0.20	<0.20		25	
1,2,4-Trichlorobenzene	ug/m3	<7.1	<7.1		25	
1,2,4-Trimethylbenzene	ug/m3	25.1	26.2	4	25	
1,2-Dibromoethane (EDB)	ug/m3	<0.44	<0.44		25	
1,2-Dichlorobenzene	ug/m3	<0.59	<0.59		25	
1,2-Dichloroethane	ug/m3	<0.28	<0.28		25	
1,2-Dichloropropane	ug/m3	<0.39	<0.39		25	
1,3,5-Trimethylbenzene	ug/m3	7.0	7.4	4	25	
1,3-Butadiene	ug/m3	<0.18	<0.18		25	
1,3-Dichlorobenzene	ug/m3	<0.74	<0.74		25	
1,4-Dichlorobenzene	ug/m3	2.3J	2.2J		25	
2-Butanone (MEK)	ug/m3	60.5	62.3	3	25	
2-Hexanone	ug/m3	2.8J	3.3J		25	
2-Propanol	ug/m3	11.6	11.8	2	25	
4-Ethyltoluene	ug/m3	7.3	7.6	3	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	1.9J	1.9J		25	
Acetone	ug/m3	502	508	1	25	
Benzene	ug/m3	3.2	3.4	5	25	
Benzyl chloride	ug/m3	<1.3	3.2J		25	
Bromodichloromethane	ug/m3	<0.35	<0.35		25	
Bromoform	ug/m3	<2.4	<2.4		25	
Bromomethane	ug/m3	<0.22	<0.22		25	
Carbon disulfide	ug/m3	1.6	1.7	4	25	
Carbon tetrachloride	ug/m3	<0.41	<0.41		25	
Chlorobenzene	ug/m3	<0.23	<0.23		25	
Chloroethane	ug/m3	<0.33	<0.33		25	
Chloroform	ug/m3	0.82	0.87	6	25	
Chloromethane	ug/m3	0.31J	0.30J		25	
cis-1,2-Dichloroethene	ug/m3	0.42J	0.43J		25	
cis-1,3-Dichloropropene	ug/m3	<0.37	<0.37		25	
Cyclohexane	ug/m3	4.5	4.8	6	25	
Dibromochloromethane	ug/m3	<0.75	<0.75		25	
Dichlorodifluoromethane	ug/m3	2.3	2.4	6	25	
Dichlorotetrafluoroethane	ug/m3	<0.29	<0.29		25	
Ethanol	ug/m3	127	130	2	25	
Ethyl acetate	ug/m3	<0.19	0.97J		25	
Ethylbenzene	ug/m3	9.4	9.9	5	25	
Hexachloro-1,3-butadiene	ug/m3	<1.8	<1.8		25	
m&p-Xylene	ug/m3	26.3	27.5	4	25	
Methyl-tert-butyl ether	ug/m3	<0.18	<0.18		25	
Methylene Chloride	ug/m3	<0.87	<0.87		25	
n-Heptane	ug/m3	6.9	6.9	1	25	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 31st and Prospect

Pace Project No.: 60406092

SAMPLE DUPLICATE: 4406121

Parameter	Units	60406092014 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	4.8	4.9	3	25	
Naphthalene	ug/m3	4.0	4.1	2	25	
o-Xylene	ug/m3	10.9	11.5	5	25	
Propylene	ug/m3	38.2	40.4	6	25	
Styrene	ug/m3	2.3	2.2	1	25	
Tetrachloroethene	ug/m3	2900	2840	2	25	
Tetrahydrofuran	ug/m3	2.5	2.7	5	25	
Toluene	ug/m3	36.9	38.3	4	25	
trans-1,2-Dichloroethene	ug/m3	<0.25	<0.25		25	
trans-1,3-Dichloropropene	ug/m3	<0.79	<0.79		25	
Trichloroethene	ug/m3	6.7	7.0	5	25	
Trichlorofluoromethane	ug/m3	1.4J	1.4J		25	
Vinyl acetate	ug/m3	<0.30	<0.30		25	
Vinyl chloride	ug/m3	<0.13	<0.13		25	

SAMPLE DUPLICATE: 4406122

Parameter	Units	60406092015 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.30	<0.30		25	
1,1,2,2-Tetrachloroethane	ug/m3	<0.60	<0.60		25	
1,1,2-Trichloroethane	ug/m3	<0.32	<0.32		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	0.72J	0.68J		25	
1,1-Dichloroethane	ug/m3	<0.27	<0.27		25	
1,1-Dichloroethene	ug/m3	9.1	9.3	2	25	
1,2,4-Trichlorobenzene	ug/m3	8.2J	<7.9		25	
1,2,4-Trimethylbenzene	ug/m3	16.4	16.9	3	25	
1,2-Dibromoethane (EDB)	ug/m3	<0.48	<0.48		25	
1,2-Dichlorobenzene	ug/m3	<0.65	<0.65		25	
1,2-Dichloroethane	ug/m3	<0.31	<0.31		25	
1,2-Dichloropropane	ug/m3	<0.43	<0.43		25	
1,3,5-Trimethylbenzene	ug/m3	6.6	6.9	4	25	
1,3-Butadiene	ug/m3	<0.19	<0.19		25	
1,3-Dichlorobenzene	ug/m3	<0.82	<0.82		25	
1,4-Dichlorobenzene	ug/m3	4.0J	4.0J		25	
2-Butanone (MEK)	ug/m3	99.9	103	3	25	
2-Hexanone	ug/m3	<0.71	<0.71		25	
2-Propanol	ug/m3	5.4	5.3	3	25	
4-Ethyltoluene	ug/m3	6.3	6.4	3	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.52	4.8J		25	
Acetone	ug/m3	339	339	0	25	
Benzene	ug/m3	15.2	15.6	2	25	
Benzyl chloride	ug/m3	8.1	<1.4		25	
Bromodichloromethane	ug/m3	1.2J	1.2J		25	
Bromoform	ug/m3	<2.6	<2.6		25	
Bromomethane	ug/m3	<0.24	<0.24		25	

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## QUALITY CONTROL DATA

Project: 31st and Prospect

Pace Project No.: 60406092

SAMPLE DUPLICATE: 4406122

Parameter	Units	60406092015 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/m3	10.7	11.0	3	25	
Carbon tetrachloride	ug/m3	<0.45	<0.45		25	
Chlorobenzene	ug/m3	<0.25	<0.25		25	
Chloroethane	ug/m3	0.48J	<0.36		25	
Chloroform	ug/m3	<0.29	<0.29		25	
Chloromethane	ug/m3	1.8	2.0	9	25	
cis-1,2-Dichloroethene	ug/m3	424	418	1	25	
cis-1,3-Dichloropropene	ug/m3	<0.41	<0.41		25	
Cyclohexane	ug/m3	443	450	1	25	
Dibromochloromethane	ug/m3	<0.83	<0.83		25	
Dichlorodifluoromethane	ug/m3	2.4	2.4	0	25	
Dichlorotetrafluoroethane	ug/m3	<0.33	<0.33		25	
Ethanol	ug/m3	55.3	54.1	2	25	
Ethyl acetate	ug/m3	<0.21	<0.21		25	
Ethylbenzene	ug/m3	10.1	10.4	3	25	
Hexachloro-1,3-butadiene	ug/m3	<2.0	<2.0		25	
m&p-Xylene	ug/m3	24.2	24.6	1	25	
Methyl-tert-butyl ether	ug/m3	<0.20	<0.20		25	
Methylene Chloride	ug/m3	<0.95	<0.95		25	
n-Heptane	ug/m3	235	243	3	25	
n-Hexane	ug/m3	97.1	102	5	25	
Naphthalene	ug/m3	6.5	5.9	9	25	
o-Xylene	ug/m3	9.8	10.2	4	25	
Propylene	ug/m3	313	312	0	25	
Styrene	ug/m3	3.7	3.8	3	25	
Tetrachloroethene	ug/m3	3010	2980	1	25	
Tetrahydrofuran	ug/m3	<0.29	<0.29		25	
Toluene	ug/m3	59.8	60.6	1	25	
trans-1,2-Dichloroethene	ug/m3	3.8	3.9	1	25	
trans-1,3-Dichloropropene	ug/m3	<0.88	<0.88		25	
Trichloroethene	ug/m3	831	830	0	25	
Trichlorofluoromethane	ug/m3	1.4J	1.4J		25	
Vinyl acetate	ug/m3	<0.33	<0.33		25	
Vinyl chloride	ug/m3	2.7	2.6	3	25	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 31st and Prospect

Pace Project No.: 60406092

QC Batch: 831756

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Laboratory:

Pace Analytical Services - Minneapolis

Associated Lab Samples: 60406092004, 60406092006, 60406092007

METHOD BLANK: 4406299

Matrix: Air

Associated Lab Samples: 60406092004, 60406092006, 60406092007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.093	0.56	0.093	08/01/22 14:29	
1,1,2,2-Tetrachloroethane	ug/m3	<0.19	0.70	0.19	08/01/22 14:29	
1,1,2-Trichloroethane	ug/m3	<0.098	0.28	0.098	08/01/22 14:29	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.14	0.78	0.14	08/01/22 14:29	
1,1-Dichloroethane	ug/m3	<0.082	0.41	0.082	08/01/22 14:29	
1,1-Dichloroethene	ug/m3	<0.069	0.40	0.069	08/01/22 14:29	
1,2,4-Trichlorobenzene	ug/m3	<2.4	3.8	2.4	08/01/22 14:29	
1,2,4-Trimethylbenzene	ug/m3	<0.18	0.50	0.18	08/01/22 14:29	
1,2-Dibromoethane (EDB)	ug/m3	<0.15	0.39	0.15	08/01/22 14:29	
1,2-Dichlorobenzene	ug/m3	<0.20	1.5	0.20	08/01/22 14:29	
1,2-Dichloroethane	ug/m3	<0.097	0.41	0.097	08/01/22 14:29	
1,2-Dichloropropane	ug/m3	<0.13	0.47	0.13	08/01/22 14:29	
1,3,5-Trimethylbenzene	ug/m3	<0.14	0.50	0.14	08/01/22 14:29	
1,3-Butadiene	ug/m3	<0.060	0.22	0.060	08/01/22 14:29	
1,3-Dichlorobenzene	ug/m3	<0.25	1.5	0.25	08/01/22 14:29	
1,4-Dichlorobenzene	ug/m3	<0.44	1.5	0.44	08/01/22 14:29	
2-Butanone (MEK)	ug/m3	<0.23	1.5	0.23	08/01/22 14:29	
2-Hexanone	ug/m3	<0.22	2.1	0.22	08/01/22 14:29	
2-Propanol	ug/m3	<0.25	1.2	0.25	08/01/22 14:29	
4-Ethyltoluene	ug/m3	<0.24	1.2	0.24	08/01/22 14:29	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.16	2.1	0.16	08/01/22 14:29	
Acetone	ug/m3	<0.90	3.0	0.90	08/01/22 14:29	
Benzene	ug/m3	<0.057	0.16	0.057	08/01/22 14:29	
Benzyl chloride	ug/m3	<0.44	2.6	0.44	08/01/22 14:29	MN
Bromodichloromethane	ug/m3	<0.12	0.68	0.12	08/01/22 14:29	
Bromoform	ug/m3	<0.81	2.6	0.81	08/01/22 14:29	
Bromomethane	ug/m3	<0.075	0.39	0.075	08/01/22 14:29	
Carbon disulfide	ug/m3	<0.064	0.32	0.064	08/01/22 14:29	
Carbon tetrachloride	ug/m3	<0.14	0.64	0.14	08/01/22 14:29	
Chlorobenzene	ug/m3	<0.078	0.47	0.078	08/01/22 14:29	
Chloroethane	ug/m3	<0.11	0.67	0.11	08/01/22 14:29	MN
Chloroform	ug/m3	<0.092	0.25	0.092	08/01/22 14:29	
Chloromethane	ug/m3	<0.043	0.21	0.043	08/01/22 14:29	
cis-1,2-Dichloroethene	ug/m3	<0.098	0.40	0.098	08/01/22 14:29	
cis-1,3-Dichloropropene	ug/m3	<0.13	1.2	0.13	08/01/22 14:29	
Cyclohexane	ug/m3	<0.11	0.88	0.11	08/01/22 14:29	
Dibromochloromethane	ug/m3	<0.26	0.86	0.26	08/01/22 14:29	
Dichlorodifluoromethane	ug/m3	<0.094	0.50	0.094	08/01/22 14:29	
Dichlorotetrafluoroethane	ug/m3	<0.10	0.71	0.10	08/01/22 14:29	
Ethanol	ug/m3	<0.30	0.96	0.30	08/01/22 14:29	

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## QUALITY CONTROL DATA

Project: 31st and Prospect

Pace Project No.: 60406092

METHOD BLANK: 4406299

Matrix: Air

Associated Lab Samples: 60406092004, 60406092006, 60406092007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.066	0.37	0.066	08/01/22 14:29	
Ethylbenzene	ug/m3	<0.15	0.44	0.15	08/01/22 14:29	
Hexachloro-1,3-butadiene	ug/m3	<0.62	2.7	0.62	08/01/22 14:29	
m&p-Xylene	ug/m3	<0.32	0.88	0.32	08/01/22 14:29	
Methyl-tert-butyl ether	ug/m3	<0.063	1.8	0.063	08/01/22 14:29	
Methylene Chloride	ug/m3	<0.30	1.8	0.30	08/01/22 14:29	
n-Heptane	ug/m3	<0.090	0.42	0.090	08/01/22 14:29	
n-Hexane	ug/m3	<0.096	0.36	0.096	08/01/22 14:29	
Naphthalene	ug/m3	<1.1	1.3	1.1	08/01/22 14:29	
o-Xylene	ug/m3	<0.14	0.44	0.14	08/01/22 14:29	
Propylene	ug/m3	<0.065	0.44	0.065	08/01/22 14:29	
Styrene	ug/m3	<0.19	0.43	0.19	08/01/22 14:29	
Tetrachloroethene	ug/m3	<0.15	0.34	0.15	08/01/22 14:29	
Tetrahydrofuran	ug/m3	<0.090	0.30	0.090	08/01/22 14:29	
Toluene	ug/m3	<0.12	0.38	0.12	08/01/22 14:29	
trans-1,2-Dichloroethene	ug/m3	<0.084	0.40	0.084	08/01/22 14:29	
trans-1,3-Dichloropropene	ug/m3	<0.27	1.2	0.27	08/01/22 14:29	
Trichloroethene	ug/m3	<0.098	0.27	0.098	08/01/22 14:29	
Trichlorofluoromethane	ug/m3	<0.12	0.57	0.12	08/01/22 14:29	
Vinyl acetate	ug/m3	<0.10	0.36	0.10	08/01/22 14:29	
Vinyl chloride	ug/m3	<0.043	0.13	0.043	08/01/22 14:29	

LABORATORY CONTROL SAMPLE: 4406300

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	71.2	74.4	105	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	90.7	95.1	105	70-132	
1,1,2-Trichloroethane	ug/m3	70.5	79.3	112	70-131	
1,1,2-Trichlorotrifluoroethane	ug/m3	103	105	103	70-130	
1,1-Dichloroethane	ug/m3	56.4	55.0	98	70-130	
1,1-Dichloroethene	ug/m3	54	54.9	102	70-130	
1,2,4-Trichlorobenzene	ug/m3	102	121	118	70-130	
1,2,4-Trimethylbenzene	ug/m3	65.9	72.6	110	70-137	
1,2-Dibromoethane (EDB)	ug/m3	99.8	104	104	70-137	
1,2-Dichlorobenzene	ug/m3	80.3	97.2	121	70-131	
1,2-Dichloroethane	ug/m3	54.9	60.1	110	70-134	
1,2-Dichloropropane	ug/m3	61.4	62.6	102	70-130	
1,3,5-Trimethylbenzene	ug/m3	65.6	68.0	104	70-131	
1,3-Butadiene	ug/m3	29.9	32.7	109	70-139	
1,3-Dichlorobenzene	ug/m3	79.9	76.3	95	70-134	
1,4-Dichlorobenzene	ug/m3	80.5	75.6	94	70-131	
2-Butanone (MEK)	ug/m3	40.2	39.9	99	70-133	
2-Hexanone	ug/m3	55.6	63.3	114	70-136	
2-Propanol	ug/m3	36	41.6	115	65-133	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 31st and Prospect

Pace Project No.: 60406092

LABORATORY CONTROL SAMPLE: 4406300

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	65.9	76.9	117	70-130	
4-Methyl-2-pentanone (MIBK)	ug/m3	54.6	62.2	114	70-130	
Acetone	ug/m3	30.3	35.0	116	60-134	
Benzene	ug/m3	42.5	41.5	97	70-130	
Benzyl chloride	ug/m3	72.8	67.1	92	70-130	
Bromodichloromethane	ug/m3	89.3	94.1	105	70-130	
Bromoform	ug/m3	138	107	78	70-138	
Bromomethane	ug/m3	51.1	45.1	88	68-131	
Carbon disulfide	ug/m3	43.4	39.8	92	70-130	
Carbon tetrachloride	ug/m3	84.6	91.7	108	70-132	
Chlorobenzene	ug/m3	61.3	61.9	101	70-130	
Chloroethane	ug/m3	34.8	35.8	103	70-134	
Chloroform	ug/m3	64.1	63.1	99	70-130	
Chloromethane	ug/m3	27	30.0	111	68-131	
cis-1,2-Dichloroethene	ug/m3	52.9	52.0	98	70-136	
cis-1,3-Dichloropropene	ug/m3	60.7	66.7	110	70-130	
Cyclohexane	ug/m3	45.7	47.0	103	70-131	
Dibromochloromethane	ug/m3	114	107	94	70-134	
Dichlorodifluoromethane	ug/m3	65.6	71.3	109	70-130	
Dichlorotetrafluoroethane	ug/m3	92.8	89.0	96	70-130	
Ethanol	ug/m3	28.5	30.7	107	55-145	
Ethyl acetate	ug/m3	47.3	48.9	103	70-135	
Ethylbenzene	ug/m3	57.9	58.9	102	70-133	
Hexachloro-1,3-butadiene	ug/m3	148	165	111	70-132	
m&p-Xylene	ug/m3	115	121	105	70-134	
Methyl-tert-butyl ether	ug/m3	48.3	51.2	106	70-131	
Methylene Chloride	ug/m3	47	55.6	118	65-132	
n-Heptane	ug/m3	54.4	55.5	102	70-130	
n-Hexane	ug/m3	46.4	47.1	101	70-132	
Naphthalene	ug/m3	73.1	83.2	114	70-130	
o-Xylene	ug/m3	57.3	59.2	103	70-134	
Propylene	ug/m3	23.3	23.4	101	69-133	
Styrene	ug/m3	56.9	67.3	118	70-135	
Tetrachloroethene	ug/m3	89.8	84.9	95	70-134	
Tetrahydrofuran	ug/m3	39.7	42.9	108	70-140	
Toluene	ug/m3	51	53.1	104	70-136	
trans-1,2-Dichloroethene	ug/m3	53.2	53.4	101	70-134	
trans-1,3-Dichloropropene	ug/m3	59.4	73.1	123	70-131	
Trichloroethene	ug/m3	71.7	72.3	101	70-134	
Trichlorofluoromethane	ug/m3	77.7	80.2	103	63-130	
Vinyl acetate	ug/m3	51.1	60.1	118	70-139	
Vinyl chloride	ug/m3	33.5	37.7	113	70-132	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 31st and Prospect

Pace Project No.: 60406092

SAMPLE DUPLICATE: 4407093

Parameter	Units	10617509001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<8.1		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	71.4		25	
1,1,2-Trichloroethane	ug/m3	ND	<8.6		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	<12.7		25	
1,1-Dichloroethane	ug/m3	ND	<7.2		25	
1,1-Dichloroethene	ug/m3	ND	<6.0		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<214		25	
1,2,4-Trimethylbenzene	ug/m3	ND	<15.5		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	<13.1		25	
1,2-Dichlorobenzene	ug/m3	ND	<17.7		25	
1,2-Dichloroethane	ug/m3	ND	<8.5		25	
1,2-Dichloropropane	ug/m3	ND	<11.8		25	
1,3,5-Trimethylbenzene	ug/m3	ND	<12.7		25	
1,3-Butadiene	ug/m3	ND	<5.3		25	
1,3-Dichlorobenzene	ug/m3	ND	<22.3		25	
1,4-Dichlorobenzene	ug/m3	ND	<38.4		25	
2-Butanone (MEK)	ug/m3	ND	<20.4		25	
2-Hexanone	ug/m3	ND	<19.4		25	
2-Propanol	ug/m3	ND	<22.3		25	
4-Ethyltoluene	ug/m3	ND	<20.7		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	<14.1		25	
Acetone	ug/m3	ND	<79.3		25	
Benzene	ug/m3	ND	<5.0		25	
Benzyl chloride	ug/m3	ND	<39.0		25	
Bromodichloromethane	ug/m3	ND	<10.4		25	
Bromoform	ug/m3	ND	<71.0		25	
Bromomethane	ug/m3	ND	<6.6		25	
Carbon disulfide	ug/m3	ND	<5.7		25	
Carbon tetrachloride	ug/m3	ND	<12.3		25	
Chlorobenzene	ug/m3	ND	<6.8		25	
Chloroethane	ug/m3	ND	<9.8		25	
Chloroform	ug/m3	ND	<8.0		25	
Chloromethane	ug/m3	ND	<3.7		25	
cis-1,2-Dichloroethene	ug/m3	ND	<8.5		25	
cis-1,3-Dichloropropene	ug/m3	ND	<11.2		25	
Cyclohexane	ug/m3	ND	<9.7		25	
Dibromochloromethane	ug/m3	ND	<22.6		25	
Dichlorodifluoromethane	ug/m3	ND	<8.2		25	
Dichlorotetrafluoroethane	ug/m3	ND	<8.8		25	
Ethanol	ug/m3	ND	<25.9		25	
Ethyl acetate	ug/m3	ND	<5.7		25	
Ethylbenzene	ug/m3	ND	<13.5		25	
Hexachloro-1,3-butadiene	ug/m3	ND	<53.9		25	
m&p-Xylene	ug/m3	ND	32.7J		25	
Methyl-tert-butyl ether	ug/m3	ND	<5.5		25	
Methylene Chloride	ug/m3	ND	<26.0		25	
n-Heptane	ug/m3	981	1060	8	25	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 31st and Prospect

Pace Project No.: 60406092

SAMPLE DUPLICATE: 4407093

Parameter	Units	10617509001 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	812	911	11	25	
Naphthalene	ug/m3	ND	<95.0		25	
o-Xylene	ug/m3	ND	12.0J		25	
Propylene	ug/m3	ND	<5.7		25	
Styrene	ug/m3	ND	<16.9		25	
Tetrachloroethene	ug/m3	ND	<12.8		25	
Tetrahydrofuran	ug/m3	ND	<7.9		25	
Toluene	ug/m3	ND	<10.7		25	
trans-1,2-Dichloroethene	ug/m3	ND	<7.4		25	
trans-1,3-Dichloropropene	ug/m3	ND	<23.8		25	
Trichloroethene	ug/m3	ND	<8.6		25	
Trichlorofluoromethane	ug/m3	ND	<10.2		25	
Vinyl acetate	ug/m3	ND	<9.1		25	
Vinyl chloride	ug/m3	ND	<3.8		25	

SAMPLE DUPLICATE: 4407094

Parameter	Units	10619060017 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<1.8		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	<3.6		25	
1,1,2-Trichloroethane	ug/m3	ND	<1.9		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	<2.8		25	
1,1-Dichloroethane	ug/m3	ND	<1.6		25	
1,1-Dichloroethene	ug/m3	ND	<1.3		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<47.3		25	
1,2,4-Trimethylbenzene	ug/m3	ND	<3.4		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	<2.9		25	
1,2-Dichlorobenzene	ug/m3	ND	<3.9		25	
1,2-Dichloroethane	ug/m3	ND	<1.9		25	
1,2-Dichloropropane	ug/m3	ND	<2.6		25	
1,3,5-Trimethylbenzene	ug/m3	ND	<2.8		25	
1,3-Butadiene	ug/m3	ND	<1.2		25	
1,3-Dichlorobenzene	ug/m3	ND	<4.9		25	
1,4-Dichlorobenzene	ug/m3	ND	<8.5		25	
2-Butanone (MEK)	ug/m3	ND	<4.5		25	
2-Hexanone	ug/m3	ND	<4.3		25	
2-Propanol	ug/m3	ND	6.9J		25	
4-Ethyltoluene	ug/m3	ND	<4.6		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	<3.1		25	
Acetone	ug/m3	ND	<17.6		25	
Benzene	ug/m3	ND	<1.1		25	
Benzyl chloride	ug/m3	ND	<8.6		25	
Bromodichloromethane	ug/m3	ND	<2.3		25	
Bromoform	ug/m3	ND	<15.7		25	
Bromomethane	ug/m3	ND	<1.5		25	

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## QUALITY CONTROL DATA

Project: 31st and Prospect

Pace Project No.: 60406092

SAMPLE DUPLICATE: 4407094

Parameter	Units	10619060017 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/m3	ND	<1.3		25	
Carbon tetrachloride	ug/m3	ND	<2.7		25	
Chlorobenzene	ug/m3	ND	<1.5		25	
Chloroethane	ug/m3	ND	<2.2		25	
Chloroform	ug/m3	ND	<1.8		25	
Chloromethane	ug/m3	ND	<0.83		25	
cis-1,2-Dichloroethene	ug/m3	ND	<1.9		25	
cis-1,3-Dichloropropene	ug/m3	ND	<2.5		25	
Cyclohexane	ug/m3	ND	11.0J		25	
Dibromochloromethane	ug/m3	ND	<5.0		25	
Dichlorodifluoromethane	ug/m3	ND	<1.8		25	
Dichlorotetrafluoroethane	ug/m3	ND	<2.0		25	
Ethanol	ug/m3	48.9	47.1	4	25	
Ethyl acetate	ug/m3	ND	<1.3		25	
Ethylbenzene	ug/m3	ND	<3.0		25	
Hexachloro-1,3-butadiene	ug/m3	ND	<11.9		25	
m&p-Xylene	ug/m3	ND	<6.2		25	
Methyl-tert-butyl ether	ug/m3	ND	<1.2		25	
Methylene Chloride	ug/m3	ND	<5.8		25	
n-Heptane	ug/m3	ND	<1.8		25	
n-Hexane	ug/m3	ND	<1.9		25	
Naphthalene	ug/m3	ND	<21.0		25	
o-Xylene	ug/m3	ND	<2.6		25	
Propylene	ug/m3	ND	<1.3		25	
Styrene	ug/m3	ND	<3.7		25	
Tetrachloroethene	ug/m3	ND	<2.8		25	
Tetrahydrofuran	ug/m3	ND	<1.7		25	
Toluene	ug/m3	ND	<2.4		25	
trans-1,2-Dichloroethene	ug/m3	132	114	15	25	
trans-1,3-Dichloropropene	ug/m3	ND	<5.3		25	
Trichloroethene	ug/m3	ND	<1.9		25	
Trichlorofluoromethane	ug/m3	ND	<2.3		25	
Vinyl acetate	ug/m3	ND	<2.0		25	
Vinyl chloride	ug/m3	ND	<0.84		25	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 31st and Prospect

Pace Project No.: 60406092

QC Batch: 832118

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 60406092016

METHOD BLANK: 4407694

Matrix: Air

Associated Lab Samples: 60406092016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.093	0.56	0.093	08/02/22 09:43	
1,1,2,2-Tetrachloroethane	ug/m3	<0.19	0.70	0.19	08/02/22 09:43	
1,1,2-Trichloroethane	ug/m3	<0.098	0.28	0.098	08/02/22 09:43	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.14	0.78	0.14	08/02/22 09:43	
1,1-Dichloroethane	ug/m3	<0.082	0.41	0.082	08/02/22 09:43	
1,1-Dichloroethene	ug/m3	<0.069	0.40	0.069	08/02/22 09:43	
1,2,4-Trichlorobenzene	ug/m3	<2.4	3.8	2.4	08/02/22 09:43	
1,2,4-Trimethylbenzene	ug/m3	<0.18	0.50	0.18	08/02/22 09:43	
1,2-Dibromoethane (EDB)	ug/m3	<0.15	0.39	0.15	08/02/22 09:43	
1,2-Dichlorobenzene	ug/m3	<0.20	1.5	0.20	08/02/22 09:43	
1,2-Dichloroethane	ug/m3	<0.097	0.41	0.097	08/02/22 09:43	
1,2-Dichloropropane	ug/m3	<0.13	0.47	0.13	08/02/22 09:43	
1,3,5-Trimethylbenzene	ug/m3	<0.14	0.50	0.14	08/02/22 09:43	
1,3-Butadiene	ug/m3	<0.060	0.22	0.060	08/02/22 09:43	
1,3-Dichlorobenzene	ug/m3	<0.25	1.5	0.25	08/02/22 09:43	
1,4-Dichlorobenzene	ug/m3	<0.44	1.5	0.44	08/02/22 09:43	
2-Butanone (MEK)	ug/m3	<0.23	1.5	0.23	08/02/22 09:43	
2-Hexanone	ug/m3	<0.22	2.1	0.22	08/02/22 09:43	
2-Propanol	ug/m3	<0.25	1.2	0.25	08/02/22 09:43	
4-Ethyltoluene	ug/m3	<0.24	1.2	0.24	08/02/22 09:43	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.16	2.1	0.16	08/02/22 09:43	
Acetone	ug/m3	<0.90	3.0	0.90	08/02/22 09:43	
Benzene	ug/m3	<0.057	0.16	0.057	08/02/22 09:43	
Benzyl chloride	ug/m3	<0.44	2.6	0.44	08/02/22 09:43	MN
Bromodichloromethane	ug/m3	<0.12	0.68	0.12	08/02/22 09:43	
Bromoform	ug/m3	<0.81	2.6	0.81	08/02/22 09:43	
Bromomethane	ug/m3	<0.075	0.39	0.075	08/02/22 09:43	
Carbon disulfide	ug/m3	<0.064	0.32	0.064	08/02/22 09:43	
Carbon tetrachloride	ug/m3	<0.14	0.64	0.14	08/02/22 09:43	
Chlorobenzene	ug/m3	<0.078	0.47	0.078	08/02/22 09:43	
Chloroethane	ug/m3	<0.11	0.67	0.11	08/02/22 09:43	MN
Chloroform	ug/m3	<0.092	0.25	0.092	08/02/22 09:43	
Chloromethane	ug/m3	<0.043	0.21	0.043	08/02/22 09:43	
cis-1,2-Dichloroethene	ug/m3	<0.098	0.40	0.098	08/02/22 09:43	
cis-1,3-Dichloropropene	ug/m3	<0.13	1.2	0.13	08/02/22 09:43	
Cyclohexane	ug/m3	<0.11	0.88	0.11	08/02/22 09:43	
Dibromochloromethane	ug/m3	<0.26	0.86	0.26	08/02/22 09:43	
Dichlorodifluoromethane	ug/m3	<0.094	0.50	0.094	08/02/22 09:43	
Dichlorotetrafluoroethane	ug/m3	<0.10	0.71	0.10	08/02/22 09:43	
Ethanol	ug/m3	<0.30	0.96	0.30	08/02/22 09:43	

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## QUALITY CONTROL DATA

Project: 31st and Prospect

Pace Project No.: 60406092

METHOD BLANK: 4407694

Matrix: Air

Associated Lab Samples: 60406092016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.066	0.37	0.066	08/02/22 09:43	
Ethylbenzene	ug/m3	<0.15	0.44	0.15	08/02/22 09:43	
Hexachloro-1,3-butadiene	ug/m3	<0.62	2.7	0.62	08/02/22 09:43	
m&p-Xylene	ug/m3	<0.32	0.88	0.32	08/02/22 09:43	
Methyl-tert-butyl ether	ug/m3	<0.063	1.8	0.063	08/02/22 09:43	
Methylene Chloride	ug/m3	<0.30	1.8	0.30	08/02/22 09:43	
n-Heptane	ug/m3	<0.090	0.42	0.090	08/02/22 09:43	
n-Hexane	ug/m3	<0.096	0.36	0.096	08/02/22 09:43	
Naphthalene	ug/m3	<1.1	1.3	1.1	08/02/22 09:43	
o-Xylene	ug/m3	<0.14	0.44	0.14	08/02/22 09:43	
Propylene	ug/m3	<0.065	0.44	0.065	08/02/22 09:43	
Styrene	ug/m3	<0.19	0.43	0.19	08/02/22 09:43	
Tetrachloroethene	ug/m3	<0.15	0.34	0.15	08/02/22 09:43	
Tetrahydrofuran	ug/m3	<0.090	0.30	0.090	08/02/22 09:43	
Toluene	ug/m3	<0.12	0.38	0.12	08/02/22 09:43	
trans-1,2-Dichloroethene	ug/m3	<0.084	0.40	0.084	08/02/22 09:43	
trans-1,3-Dichloropropene	ug/m3	<0.27	1.2	0.27	08/02/22 09:43	
Trichloroethene	ug/m3	<0.098	0.27	0.098	08/02/22 09:43	
Trichlorofluoromethane	ug/m3	<0.12	0.57	0.12	08/02/22 09:43	
Vinyl acetate	ug/m3	<0.10	0.36	0.10	08/02/22 09:43	
Vinyl chloride	ug/m3	<0.043	0.13	0.043	08/02/22 09:43	

LABORATORY CONTROL SAMPLE: 4407695

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	59.3	63.6	107	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	75.4	76.6	102	70-132	
1,1,2-Trichloroethane	ug/m3	59.6	65.7	110	70-131	
1,1,2-Trichlorotrifluoroethane	ug/m3	83.6	84.5	101	70-130	
1,1-Dichloroethane	ug/m3	43.9	45.7	104	70-130	
1,1-Dichloroethene	ug/m3	43.5	43.0	99	70-130	
1,2,4-Trichlorobenzene	ug/m3	177	166	93	70-130	
1,2,4-Trimethylbenzene	ug/m3	54	56.0	104	70-137	
1,2-Dibromoethane (EDB)	ug/m3	82.5	91.6	111	70-137	
1,2-Dichlorobenzene	ug/m3	66.2	81.6	123	70-131	
1,2-Dichloroethane	ug/m3	44.4	48.4	109	70-134	
1,2-Dichloropropane	ug/m3	50.6	51.2	101	70-130	
1,3,5-Trimethylbenzene	ug/m3	53.7	53.7	100	70-131	
1,3-Butadiene	ug/m3	24.2	23.4	97	70-139	
1,3-Dichlorobenzene	ug/m3	66.3	61.3	92	70-134	
1,4-Dichlorobenzene	ug/m3	66.3	62.0	94	70-131	
2-Butanone (MEK)	ug/m3	32.3	32.7	101	70-133	
2-Hexanone	ug/m3	44.8	47.9	107	70-136	
2-Propanol	ug/m3	149	135	90	65-133	

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

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 31st and Prospect

Pace Project No.: 60406092

LABORATORY CONTROL SAMPLE: 4407695

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	53.7	58.8	110	70-130	
4-Methyl-2-pentanone (MIBK)	ug/m3	44.9	44.7	100	70-130	
Acetone	ug/m3	128	122	95	60-134	
Benzene	ug/m3	34.8	35.3	101	70-130	
Benzyl chloride	ug/m3	57.6	56.7	99	70-130	
Bromodichloromethane	ug/m3	73.1	80.2	110	70-130	
Bromoform	ug/m3	114	130	114	70-138	
Bromomethane	ug/m3	42.5	35.6	84	68-131	
Carbon disulfide	ug/m3	34.4	32.4	94	70-130	
Carbon tetrachloride	ug/m3	69.4	82.2	118	70-132	
Chlorobenzene	ug/m3	50.2	53.0	106	70-130	
Chloroethane	ug/m3	28.8	27.4	95	70-134	
Chloroform	ug/m3	52.4	54.5	104	70-130	
Chloromethane	ug/m3	22.6	25.6	113	68-131	
cis-1,2-Dichloroethene	ug/m3	43.4	46.7	108	70-136	
cis-1,3-Dichloropropene	ug/m3	49.4	54.3	110	70-130	
Cyclohexane	ug/m3	37.4	42.4	113	70-131	
Dibromochloromethane	ug/m3	93.2	104	112	70-134	
Dichlorodifluoromethane	ug/m3	54.6	58.7	107	70-130	
Dichlorotetrafluoroethane	ug/m3	71.2	77.9	109	70-130	
Ethanol	ug/m3	124	96.3	78	55-145	
Ethyl acetate	ug/m3	38.9	37.6	97	70-135	
Ethylbenzene	ug/m3	47.8	49.7	104	70-133	
Hexachloro-1,3-butadiene	ug/m3	133	143	108	70-132	
m&p-Xylene	ug/m3	95.4	103	108	70-134	
Methyl-tert-butyl ether	ug/m3	39.6	42.9	108	70-131	
Methylene Chloride	ug/m3	190	189	99	65-132	
n-Heptane	ug/m3	44.6	41.8	94	70-130	
n-Hexane	ug/m3	38	41.9	110	70-132	
Naphthalene	ug/m3	65.2	61.7	95	70-130	
o-Xylene	ug/m3	47.6	49.9	105	70-134	
Propylene	ug/m3	18.9	17.4	92	69-133	
Styrene	ug/m3	47	54.6	116	70-135	
Tetrachloroethene	ug/m3	73.4	78.2	107	70-134	
Tetrahydrofuran	ug/m3	32.1	35.0	109	70-140	
Toluene	ug/m3	41.6	44.4	107	70-136	
trans-1,2-Dichloroethene	ug/m3	43.6	49.2	113	70-134	
trans-1,3-Dichloropropene	ug/m3	50.5	58.9	117	70-131	
Trichloroethene	ug/m3	58.4	63.6	109	70-134	
Trichlorofluoromethane	ug/m3	62	66.2	107	63-130	
Vinyl acetate	ug/m3	46.4	44.8	97	70-139	
Vinyl chloride	ug/m3	28	28.2	101	70-132	

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## REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: 31st and Prospect

Pace Project No.: 60406092

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

C8 Result may be biased high due to carryover from previously analyzed sample.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

MN The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 31st and Prospect

Pace Project No.: 60406092

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60406092001	SG-1-(15.5-16)	TO-15	831389		
60406092002	SG-1-(4.5-5)	TO-15	831389		
60406092003	SG-4-(11.5-12)	TO-15	831389		
60406092004	SG-4-(7.5-8)	TO-15	831756		
60406092005	SG-8-(19.5-20)	TO-15	831389		
60406092006	SG-8-(4.5-5)	TO-15	831756		
60406092007	SG-7-(16-16.5)	TO-15	831756		
60406092008	SG-7-(2-2.5)	TO-15	831389		
60406092009	SG-2-(23.5-24)	TO-15	831389		
60406092010	SG-2-(4.5-5)	TO-15	831389		
60406092011	SG-3-(21.5-22)	TO-15	831389		
60406092012	SG-3-(4.5-5)	TO-15	831389		
60406092013	SG-5-(16.6-17)	TO-15	831389		
60406092014	SG-5-(4.5-5)	TO-15	831389		
60406092015	SG-6-(22.5-23)	TO-15	831389		
60406092016	SG-6-(4.5-5)	TO-15	832118		

## REPORT OF LABORATORY ANALYSIS

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DC#\_Title: ENV-FRM-MIN4-0113 v01\_Sample Condition Upon Receipt  
(SCUR) - Air

Effective Date: 02/25/2022

WO#: 60406092



Air Sample Condition Upon Receipt

Client Name:

Pasi KS

Project #:

Courier: ☒ FedEx ☐ UPS ☐ USPS ☐ Client  
☐ Pace ☐ Speedee ☐ Commercial

Tracking Number: 9753 8452 0926, 0904, 0890, 0915 ☐ See Exception

Custody Seal on Cooler/Box Present?

☐ Yes ☒ No

Seals Intact?

☐ Yes ☒ No

Packing Material:

☐ Bubble Wrap

☐ Bubble Bags

☒ Foam

☐ None

☐ Tin Can

☐ Other:

Date & Initials of Person Examining Contents: RL 7/19/22

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
(Tedar bags not acceptable container for TO-15 or APH)		
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
(Visual Inspection/no leaks when pressurized)		
Media: <input checked="" type="checkbox"/> Air Can <input type="checkbox"/> Airbag		11. Individually Certified Cans? Y <input checked="" type="checkbox"/> N (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
Do cans need to be pressurized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13.
(DO NOT PRESSURIZE 3C or ASTM 1946III)		

Gauge #: ☐ 10AIR26 ☒ 10AIR34 ☐ 10AIR35 ☐ 10AIR17 ☐ 10AIR47 ☐ 10AIR48

Canisters

Canisters

Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
SG-1 15.5	801	862	-6	+5	SG-6 22.5	542	2478	-5	+5
-1 4.5	3488	235	-6		-6 4.5	2382	109	-3	+5
-4 11.5	984	1379	-4						
-4 7.5	2124	1422	-3						
-8 14.5	4022	1363	-6						
-8 4.5	3312	2781	-2						
-7 10	3664	2269	-4						
-7 2	1246	1257	-1						
-2 23.5	3486	758	-6						
-2 4.5	3398	1930	-4						
-3 2.5	3883	2861	-7						
-3 4.5	3489	1771	-3						
-5 16.6	332	328	-4						
-5 4.5	3583	1753	-2.5	+5					

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: \_\_\_\_\_  
Comments/Resolution: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Project Manager Review:



Date:


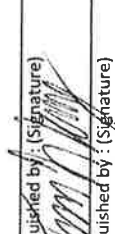
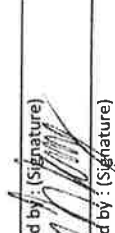
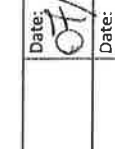

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).

Qualtrax ID: 52723

Page 1 of 1

6040692

Company Name/Address: <b>Tetra Tech EMI</b> 415 Oak Street Kansas City, MO 64106		Billing Information:		Chain of Custody		Page 1 of 2
Report To: <b>Stephanie Caples, copy to Emily Fisher</b>		Email To: <b>Stephanie.Caples@tetratech.com, emily.fisher@tetratech.com</b>		Analysis		 PEOPLE ADVANCING SCIENCE 12065 Lebanon Road Mt. Juliet, TN 37122 Phone: 615-736-5558 AL: 800-767-5859 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <a href="https://info.pacedlabs.com/hubfs/pas-standard-terms.pdf">https://info.pacedlabs.com/hubfs/pas-standard-terms.pdf</a>
Project Description: <b>31st and Prospect</b>		City/State Collected:		Analysis		
Phone: <b>816-412-1777</b>		Client Project # <b>103IP65210190.08.03</b>		Analysis		
Collected by (print): <b>Thomas Kaley</b>		Site/Facility ID #		Analysis		
Collected by (signature): 		Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Three Day <input type="checkbox"/> Next Day <input type="checkbox"/> Five Day <input type="checkbox"/> Two Day		Analysis		
Sample ID	Can #	Flow Cont. #	Collection	Canister Pressure/Vacuum	Analysis	
			Date	Initial	Final	
SG-1-(15.5-16)	801		07/08/2022	0930	-30	
SG-1-(4.5-5)	3488		07/08/2022	0935	-30	
SG-4-(11.5-12)	984		07/08/2022	0940	-30	
SG-4-(7.5-8)	2124		07/08/2022	0950	-30	
SG-8-(19.5-20)	4022		07/08/2022	1020	-30	
SG-8-(4.5-5)	3312		07/08/2022	1025	-30	
SG-7-(16-16.5)	3664		07/08/2022	1100	-30	
SG-7-(2-2.5)	1246		07/08/2022	1105	-30	
SG-2-(23.5-24)	3486		07/08/2022	1400	-30	
SG-2-(4.5-5)	3398		07/08/2022	1405	-30	
Remarks:						

Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier		Tracking #		Hold #	
Relinquished by: (Signature) 		Date: 07/15/22		Time: 14:20	
Relinquished by: (Signature) 		Date:		Time:	
Relinquished by: (Signature) 		Date:		Time:	
Received by: (Signature) 		Date: 7/19/22		Time: 9:50	
Received by: (Signature) 		Date:		Time:	
Received for lab by: (Signature)		Date:		Time:	
Condition: (lab use only)		COC Seal Intact: Y N NA		NCF:	



DC#\_ Title: ENV-FRM-MIN4-0126 v00\_Pending Log-in Checklist

Effective Date: 03/03/2022

SR Tech RG
Date Initiated 7/19/22 PM NRZ
Client Name Basiks
Profile # 42788
Pink shelf ☐ #1 ☐ #2

Issue Type (check all that apply)\*

☒ COC Issue FRWO

Date/Time Received 7/19/22 @ 9:50

EPIC Issue (check one)

☐ Client not in Epic
☐ Profile not in Epic
☐ Add acode
☐ Other

Resolution

PM/Date

Sample Line Item	BP1U	BP2U	BP3U	BP3S	BP3N	AG1U	AG1H	AG3S	AGIT	JGFU	JGCU	BJFU	WPDU	VG9M	VG9H	GN	SP5T	DWC
Check the box to the left to indicate that the container(s) received for line items <u>1-12</u> are identical to the container(s) documented for line item 1 for this																		
1	<input checked="" type="checkbox"/>																	
2	<input checked="" type="checkbox"/>																	
3	<input checked="" type="checkbox"/>																	
4	<input checked="" type="checkbox"/>																	
5	<input checked="" type="checkbox"/>																	
6	<input checked="" type="checkbox"/>																	
7	<input checked="" type="checkbox"/>																	
8	<input checked="" type="checkbox"/>																	
9	<input checked="" type="checkbox"/>																	
10	<input checked="" type="checkbox"/>																	
11	<input checked="" type="checkbox"/>																	
12	<input checked="" type="checkbox"/>																	

Comments:



9608 Loiret Blvd.  
Lenexa, KS 66219  
(913)599-5665

## SAMPLE ACKNOWLEDGMENT

**Samples Submitted By:** TETRA TECH EMI  
**Client Project ID:** 31ST & PROSPECT  
**Client PO#:**

**Pace Project Manager:** Jeffrey Shopper  
Phone 1(913)563-1408  
jeff.shopper@pacelabs.com

**Pace Analytical Project ID:** 60405046  
**Samples Received:** July 8, 2022 12:00 PM  
**Estimated Completion:** July 22, 2022

**CC:** Kaitlyn Mitchell

Customer Sample ID	Pace Analytical Lab ID	Matrix	Date/Time Collected	Method
MW-1	60405046001	Water	07/08/22 10:00	8260 Volatile Organics by GC/MS Economic Price Adjustment
MW-2	60405046002	Water	07/08/22 09:15	8260 Volatile Organics by GC/MS
MW-2-FD	60405046003	Water	07/08/22 09:15	8260 Volatile Organics by GC/MS
RB	60405046004	Water	07/08/22 10:10	8260 Volatile Organics by GC/MS
FB	60405046005	Water	07/08/22 10:20	8260 Volatile Organics by GC/MS
TRIP BLANK	60405046006	Water	07/08/22 11:10	8260 Volatile Organics by GC/MS
MW-3	60405046007	Water	07/08/22 08:45	8260 Volatile Organics by GC/MS

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

Confidentiality Statement: The Parties agree that they will take all reasonable precautions to prevent the unauthorized disclosure of any proprietary or confidential information of each other and that they will not disclose such information except to those employees, subcontractors, or agents who have expressly agreed to maintain confidentiality.

Thank you for choosing Pace Analytical Services, LLC.



## SAMPLE ACKNOWLEDGMENT

### Analyte List

Customer Sample ID	Method	Compound	Reporting	
			Limit	Units
MW-1	8260 MSV	Acetone	10	ug/L
		Benzene	1	ug/L
		Bromobenzene	1	ug/L
		Bromochloromethane	1	ug/L
		Bromodichloromethane	1	ug/L
		Bromoform	1	ug/L
		Bromomethane	5	ug/L
		2-Butanone (MEK)	10	ug/L
		n-Butylbenzene	1	ug/L
		sec-Butylbenzene	1	ug/L
		tert-Butylbenzene	1	ug/L
		Carbon disulfide	5	ug/L
		Carbon tetrachloride	1	ug/L
		Chlorobenzene	1	ug/L
		Chloroethane	1	ug/L
		Chloroform	1	ug/L
		Chloromethane	1	ug/L
		2-Chlorotoluene	1	ug/L
		4-Chlorotoluene	1	ug/L
		1,2-Dibromo-3-chloropropane	2.5	ug/L
		Dibromochloromethane	1	ug/L
		1,2-Dibromoethane (EDB)	1	ug/L
		Dibromomethane	1	ug/L
		1,2-Dichlorobenzene	1	ug/L
		1,3-Dichlorobenzene	1	ug/L
		1,4-Dichlorobenzene	1	ug/L
		Dichlorodifluoromethane	1	ug/L
		1,1-Dichloroethane	1	ug/L
		1,2-Dichloroethane	1	ug/L
		1,2-Dichloroethene (Total)	1	ug/L
		1,1-Dichloroethene	1	ug/L
		cis-1,2-Dichloroethene	1	ug/L
		trans-1,2-Dichloroethene	1	ug/L
		1,2-Dichloropropane	1	ug/L
		1,3-Dichloropropane	1	ug/L
		2,2-Dichloropropane	1	ug/L
		1,1-Dichloropropene	1	ug/L
		cis-1,3-Dichloropropene	1	ug/L
		trans-1,3-Dichloropropene	1	ug/L
		Ethylbenzene	1	ug/L
		Hexachloro-1,3-butadiene	1	ug/L
		2-Hexanone	10	ug/L
		Isopropylbenzene (Cumene)	1	ug/L
		p-Isopropyltoluene	1	ug/L
		Methylene Chloride	1	ug/L
		4-Methyl-2-pentanone (MIBK)	10	ug/L
		Methyl-tert-butyl ether	1	ug/L
		Naphthalene	10	ug/L
		n-Propylbenzene	1	ug/L
		Styrene	1	ug/L
		1,1,1,2-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.

## SAMPLE ACKNOWLEDGMENT

### Analyte List

Customer Sample ID	Method	Compound	Reporting	
			Limit	Units
MW-2	8260 MSV	1,1,2,2-Tetrachloroethane	1	ug/L
		Tetrachloroethene	1	ug/L
		Toluene	1	ug/L
		1,2,3-Trichlorobenzene	1	ug/L
		1,2,4-Trichlorobenzene	1	ug/L
		1,1,1-Trichloroethane	1	ug/L
		1,1,2-Trichloroethane	1	ug/L
		Trichloroethene	1	ug/L
		Trichlorofluoromethane	1	ug/L
		1,2,3-Trichloropropane	2.5	ug/L
		1,2,4-Trimethylbenzene	1	ug/L
		1,3,5-Trimethylbenzene	1	ug/L
		Vinyl chloride	1	ug/L
		Xylene (Total)	3	ug/L
		Preservation pH	0.1	
		Acetone	10	ug/L
		Benzene	1	ug/L
		Bromobenzene	1	ug/L
		Bromochloromethane	1	ug/L
		Bromodichloromethane	1	ug/L
		Bromoform	1	ug/L
		Bromomethane	5	ug/L
		2-Butanone (MEK)	10	ug/L
		n-Butylbenzene	1	ug/L
		sec-Butylbenzene	1	ug/L
		tert-Butylbenzene	1	ug/L
		Carbon disulfide	5	ug/L
		Carbon tetrachloride	1	ug/L
		Chlorobenzene	1	ug/L
		Chloroethane	1	ug/L
		Chloroform	1	ug/L
		Chloromethane	1	ug/L
		2-Chlorotoluene	1	ug/L
		4-Chlorotoluene	1	ug/L
		1,2-Dibromo-3-chloropropane	2.5	ug/L
		Dibromochloromethane	1	ug/L
		1,2-Dibromoethane (EDB)	1	ug/L
		Dibromomethane	1	ug/L
		1,2-Dichlorobenzene	1	ug/L
		1,3-Dichlorobenzene	1	ug/L
		1,4-Dichlorobenzene	1	ug/L
		Dichlorodifluoromethane	1	ug/L
		1,1-Dichloroethane	1	ug/L
		1,2-Dichloroethane	1	ug/L
		1,2-Dichloroethene (Total)	1	ug/L
		1,1-Dichloroethene	1	ug/L
		cis-1,2-Dichloroethene	1	ug/L
		trans-1,2-Dichloroethene	1	ug/L
		1,2-Dichloropropane	1	ug/L
		1,3-Dichloropropane	1	ug/L
		2,2-Dichloropropane	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.

## SAMPLE ACKNOWLEDGMENT

### Analyte List

Customer Sample ID	Method	Compound	Reporting	
			Limit	Units
MW-2-FD	8260 MSV	1,1-Dichloropropene	1	ug/L
		cis-1,3-Dichloropropene	1	ug/L
		trans-1,3-Dichloropropene	1	ug/L
		Ethylbenzene	1	ug/L
		Hexachloro-1,3-butadiene	1	ug/L
		2-Hexanone	10	ug/L
		Isopropylbenzene (Cumene)	1	ug/L
		p-Isopropyltoluene	1	ug/L
		Methylene Chloride	1	ug/L
		4-Methyl-2-pentanone (MIBK)	10	ug/L
		Methyl-tert-butyl ether	1	ug/L
		Naphthalene	10	ug/L
		n-Propylbenzene	1	ug/L
		Styrene	1	ug/L
		1,1,1,2-Tetrachloroethane	1	ug/L
		1,1,2,2-Tetrachloroethane	1	ug/L
		Tetrachloroethene	1	ug/L
		Toluene	1	ug/L
		1,2,3-Trichlorobenzene	1	ug/L
		1,2,4-Trichlorobenzene	1	ug/L
		1,1,1-Trichloroethane	1	ug/L
		1,1,2-Trichloroethane	1	ug/L
		Trichloroethene	1	ug/L
		Trichlorofluoromethane	1	ug/L
		1,2,3-Trichloropropane	2.5	ug/L
		1,2,4-Trimethylbenzene	1	ug/L
		1,3,5-Trimethylbenzene	1	ug/L
		Vinyl chloride	1	ug/L
		Xylene (Total)	3	ug/L
		Preservation pH	0.1	
		Acetone	10	ug/L
		Benzene	1	ug/L
		Bromobenzene	1	ug/L
		Bromochloromethane	1	ug/L
		Bromodichloromethane	1	ug/L
		Bromoform	1	ug/L
		Bromomethane	5	ug/L
		2-Butanone (MEK)	10	ug/L
		n-Butylbenzene	1	ug/L
		sec-Butylbenzene	1	ug/L
		tert-Butylbenzene	1	ug/L
		Carbon disulfide	5	ug/L
		Carbon tetrachloride	1	ug/L
		Chlorobenzene	1	ug/L
		Chloroethane	1	ug/L
		Chloroform	1	ug/L
		Chloromethane	1	ug/L
		2-Chlorotoluene	1	ug/L
		4-Chlorotoluene	1	ug/L
		1,2-Dibromo-3-chloropropane	2.5	ug/L
		Dibromochloromethane	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.

## SAMPLE ACKNOWLEDGMENT

### Analyte List

Customer Sample ID	Method	Compound	Reporting	
			Limit	Units
		1,2-Dibromoethane (EDB)	1	ug/L
		Dibromomethane	1	ug/L
		1,2-Dichlorobenzene	1	ug/L
		1,3-Dichlorobenzene	1	ug/L
		1,4-Dichlorobenzene	1	ug/L
		Dichlorodifluoromethane	1	ug/L
		1,1-Dichloroethane	1	ug/L
		1,2-Dichloroethane	1	ug/L
		1,2-Dichloroethene (Total)	1	ug/L
		1,1-Dichloroethene	1	ug/L
		cis-1,2-Dichloroethene	1	ug/L
		trans-1,2-Dichloroethene	1	ug/L
		1,2-Dichloropropane	1	ug/L
		1,3-Dichloropropane	1	ug/L
		2,2-Dichloropropane	1	ug/L
		1,1-Dichloropropene	1	ug/L
		cis-1,3-Dichloropropene	1	ug/L
		trans-1,3-Dichloropropene	1	ug/L
		Ethylbenzene	1	ug/L
		Hexachloro-1,3-butadiene	1	ug/L
		2-Hexanone	10	ug/L
		Isopropylbenzene (Cumene)	1	ug/L
		p-Isopropyltoluene	1	ug/L
		Methylene Chloride	1	ug/L
		4-Methyl-2-pentanone (MIBK)	10	ug/L
		Methyl-tert-butyl ether	1	ug/L
		Naphthalene	10	ug/L
		n-Propylbenzene	1	ug/L
		Styrene	1	ug/L
		1,1,1,2-Tetrachloroethane	1	ug/L
		1,1,2,2-Tetrachloroethane	1	ug/L
		Tetrachloroethene	1	ug/L
		Toluene	1	ug/L
		1,2,3-Trichlorobenzene	1	ug/L
		1,2,4-Trichlorobenzene	1	ug/L
		1,1,1-Trichloroethane	1	ug/L
		1,1,2-Trichloroethane	1	ug/L
		Trichloroethene	1	ug/L
		Trichlorofluoromethane	1	ug/L
		1,2,3-Trichloropropane	2.5	ug/L
		1,2,4-Trimethylbenzene	1	ug/L
		1,3,5-Trimethylbenzene	1	ug/L
		Vinyl chloride	1	ug/L
		Xylene (Total)	3	ug/L
		Preservation pH	0.1	
RB	8260 MSV	Acetone	10	ug/L
		Benzene	1	ug/L
		Bromobenzene	1	ug/L
		Bromochloromethane	1	ug/L
		Bromodichloromethane	1	ug/L
		Bromoform	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.

## SAMPLE ACKNOWLEDGMENT

### Analyte List

Customer Sample ID	Method	Compound	Reporting	
			Limit	Units
		Bromomethane	5	ug/L
		2-Butanone (MEK)	10	ug/L
		n-Butylbenzene	1	ug/L
		sec-Butylbenzene	1	ug/L
		tert-Butylbenzene	1	ug/L
		Carbon disulfide	5	ug/L
		Carbon tetrachloride	1	ug/L
		Chlorobenzene	1	ug/L
		Chloroethane	1	ug/L
		Chloroform	1	ug/L
		Chloromethane	1	ug/L
		2-Chlorotoluene	1	ug/L
		4-Chlorotoluene	1	ug/L
		1,2-Dibromo-3-chloropropane	2.5	ug/L
		Dibromochloromethane	1	ug/L
		1,2-Dibromoethane (EDB)	1	ug/L
		Dibromomethane	1	ug/L
		1,2-Dichlorobenzene	1	ug/L
		1,3-Dichlorobenzene	1	ug/L
		1,4-Dichlorobenzene	1	ug/L
		Dichlorodifluoromethane	1	ug/L
		1,1-Dichloroethane	1	ug/L
		1,2-Dichloroethane	1	ug/L
		1,2-Dichloroethene (Total)	1	ug/L
		1,1-Dichloroethene	1	ug/L
		cis-1,2-Dichloroethene	1	ug/L
		trans-1,2-Dichloroethene	1	ug/L
		1,2-Dichloropropane	1	ug/L
		1,3-Dichloropropane	1	ug/L
		2,2-Dichloropropane	1	ug/L
		1,1-Dichloropropene	1	ug/L
		cis-1,3-Dichloropropene	1	ug/L
		trans-1,3-Dichloropropene	1	ug/L
		Ethylbenzene	1	ug/L
		Hexachloro-1,3-butadiene	1	ug/L
		2-Hexanone	10	ug/L
		Isopropylbenzene (Cumene)	1	ug/L
		p-Isopropyltoluene	1	ug/L
		Methylene Chloride	1	ug/L
		4-Methyl-2-pentanone (MIBK)	10	ug/L
		Methyl-tert-butyl ether	1	ug/L
		Naphthalene	10	ug/L
		n-Propylbenzene	1	ug/L
		Styrene	1	ug/L
		1,1,1,2-Tetrachloroethane	1	ug/L
		1,1,2,2-Tetrachloroethane	1	ug/L
		Tetrachloroethene	1	ug/L
		Toluene	1	ug/L
		1,2,3-Trichlorobenzene	1	ug/L
		1,2,4-Trichlorobenzene	1	ug/L
		1,1,1-Trichloroethane	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.

## SAMPLE ACKNOWLEDGMENT

### Analyte List

Customer Sample ID	Method	Compound	Reporting	
			Limit	Units
FB	8260 MSV	1,1,2-Trichloroethane	1	ug/L
		Trichloroethene	1	ug/L
		Trichlorofluoromethane	1	ug/L
		1,2,3-Trichloropropane	2.5	ug/L
		1,2,4-Trimethylbenzene	1	ug/L
		1,3,5-Trimethylbenzene	1	ug/L
		Vinyl chloride	1	ug/L
		Xylene (Total)	3	ug/L
		Preservation pH	0.1	
		Acetone	10	ug/L
		Benzene	1	ug/L
		Bromobenzene	1	ug/L
		Bromochloromethane	1	ug/L
		Bromodichloromethane	1	ug/L
		Bromoform	1	ug/L
		Bromomethane	5	ug/L
		2-Butanone (MEK)	10	ug/L
		n-Butylbenzene	1	ug/L
		sec-Butylbenzene	1	ug/L
		tert-Butylbenzene	1	ug/L
		Carbon disulfide	5	ug/L
		Carbon tetrachloride	1	ug/L
		Chlorobenzene	1	ug/L
		Chloroethane	1	ug/L
		Chloroform	1	ug/L
		Chloromethane	1	ug/L
		2-Chlorotoluene	1	ug/L
		4-Chlorotoluene	1	ug/L
		1,2-Dibromo-3-chloropropane	2.5	ug/L
		Dibromochloromethane	1	ug/L
		1,2-Dibromoethane (EDB)	1	ug/L
		Dibromomethane	1	ug/L
		1,2-Dichlorobenzene	1	ug/L
		1,3-Dichlorobenzene	1	ug/L
		1,4-Dichlorobenzene	1	ug/L
		Dichlorodifluoromethane	1	ug/L
		1,1-Dichloroethane	1	ug/L
		1,2-Dichloroethane	1	ug/L
		1,2-Dichloroethene (Total)	1	ug/L
		1,1-Dichloroethene	1	ug/L
		cis-1,2-Dichloroethene	1	ug/L
		trans-1,2-Dichloroethene	1	ug/L
		1,2-Dichloropropane	1	ug/L
		1,3-Dichloropropane	1	ug/L
		2,2-Dichloropropane	1	ug/L
		1,1-Dichloropropene	1	ug/L
		cis-1,3-Dichloropropene	1	ug/L
		trans-1,3-Dichloropropene	1	ug/L
		Ethylbenzene	1	ug/L
		Hexachloro-1,3-butadiene	1	ug/L
		2-Hexanone	10	ug/L

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Thank you for choosing Pace Analytical Services, LLC.

## SAMPLE ACKNOWLEDGMENT

### Analyte List

Customer Sample ID	Method	Compound	Reporting	
			Limit	Units
TRIP BLANK	8260 MSV	Isopropylbenzene (Cumene)	1	ug/L
		p-Isopropyltoluene	1	ug/L
		Methylene Chloride	1	ug/L
		4-Methyl-2-pentanone (MIBK)	10	ug/L
		Methyl-tert-butyl ether	1	ug/L
		Naphthalene	10	ug/L
		n-Propylbenzene	1	ug/L
		Styrene	1	ug/L
		1,1,1,2-Tetrachloroethane	1	ug/L
		1,1,2,2-Tetrachloroethane	1	ug/L
		Tetrachloroethene	1	ug/L
		Toluene	1	ug/L
		1,2,3-Trichlorobenzene	1	ug/L
		1,2,4-Trichlorobenzene	1	ug/L
		1,1,1-Trichloroethane	1	ug/L
		1,1,2-Trichloroethane	1	ug/L
		Trichloroethene	1	ug/L
		Trichlorofluoromethane	1	ug/L
		1,2,3-Trichloropropane	2.5	ug/L
		1,2,4-Trimethylbenzene	1	ug/L
		1,3,5-Trimethylbenzene	1	ug/L
		Vinyl chloride	1	ug/L
		Xylene (Total)	3	ug/L
		Preservation pH	0.1	
		Acetone	10	ug/L
		Benzene	1	ug/L
		Bromobenzene	1	ug/L
		Bromochloromethane	1	ug/L
		Bromodichloromethane	1	ug/L
		Bromoform	1	ug/L
		Bromomethane	5	ug/L
		2-Butanone (MEK)	10	ug/L
		n-Butylbenzene	1	ug/L
		sec-Butylbenzene	1	ug/L
		tert-Butylbenzene	1	ug/L
		Carbon disulfide	5	ug/L
		Carbon tetrachloride	1	ug/L
		Chlorobenzene	1	ug/L
		Chloroethane	1	ug/L
		Chloroform	1	ug/L
		Chloromethane	1	ug/L
		2-Chlorotoluene	1	ug/L
		4-Chlorotoluene	1	ug/L
		1,2-Dibromo-3-chloropropane	2.5	ug/L
		Dibromochloromethane	1	ug/L
		1,2-Dibromoethane (EDB)	1	ug/L
		Dibromomethane	1	ug/L
		1,2-Dichlorobenzene	1	ug/L
		1,3-Dichlorobenzene	1	ug/L
		1,4-Dichlorobenzene	1	ug/L
		Dichlorodifluoromethane	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.



## SAMPLE ACKNOWLEDGMENT

### Analyte List

Customer Sample ID	Method	Compound	Reporting	
			Limit	Units
MW-3	8260 MSV	1,1-Dichloroethane	1	ug/L
		1,2-Dichloroethane	1	ug/L
		1,2-Dichloroethene (Total)	1	ug/L
		1,1-Dichloroethene	1	ug/L
		cis-1,2-Dichloroethene	1	ug/L
		trans-1,2-Dichloroethene	1	ug/L
		1,2-Dichloropropane	1	ug/L
		1,3-Dichloropropane	1	ug/L
		2,2-Dichloropropane	1	ug/L
		1,1-Dichloropropene	1	ug/L
		cis-1,3-Dichloropropene	1	ug/L
		trans-1,3-Dichloropropene	1	ug/L
		Ethylbenzene	1	ug/L
		Hexachloro-1,3-butadiene	1	ug/L
		2-Hexanone	10	ug/L
		Isopropylbenzene (Cumene)	1	ug/L
		p-Isopropyltoluene	1	ug/L
		Methylene Chloride	1	ug/L
		4-Methyl-2-pentanone (MIBK)	10	ug/L
		Methyl-tert-butyl ether	1	ug/L
		Naphthalene	10	ug/L
		n-Propylbenzene	1	ug/L
		Styrene	1	ug/L
		1,1,1,2-Tetrachloroethane	1	ug/L
		1,1,2,2-Tetrachloroethane	1	ug/L
		Tetrachloroethene	1	ug/L
		Toluene	1	ug/L
		1,2,3-Trichlorobenzene	1	ug/L
		1,2,4-Trichlorobenzene	1	ug/L
		1,1,1-Trichloroethane	1	ug/L
		1,1,2-Trichloroethane	1	ug/L
		Trichloroethene	1	ug/L
		Trichlorofluoromethane	1	ug/L
		1,2,3-Trichloropropane	2.5	ug/L
		1,2,4-Trimethylbenzene	1	ug/L
		1,3,5-Trimethylbenzene	1	ug/L
		Vinyl chloride	1	ug/L
		Xylene (Total)	3	ug/L
		Preservation pH	0.1	
		Acetone	10	ug/L
		Benzene	1	ug/L
		Bromobenzene	1	ug/L
		Bromochloromethane	1	ug/L
		Bromodichloromethane	1	ug/L
		Bromoform	1	ug/L
		Bromomethane	5	ug/L
		2-Butanone (MEK)	10	ug/L
		n-Butylbenzene	1	ug/L
		sec-Butylbenzene	1	ug/L
		tert-Butylbenzene	1	ug/L
		Carbon disulfide	5	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.

## SAMPLE ACKNOWLEDGMENT

### Analyte List

Customer Sample ID	Method	Compound	Reporting	
			Limit	Units
		Carbon tetrachloride	1	ug/L
		Chlorobenzene	1	ug/L
		Chloroethane	1	ug/L
		Chloroform	1	ug/L
		Chloromethane	1	ug/L
		2-Chlorotoluene	1	ug/L
		4-Chlorotoluene	1	ug/L
		1,2-Dibromo-3-chloropropane	2.5	ug/L
		Dibromochloromethane	1	ug/L
		1,2-Dibromoethane (EDB)	1	ug/L
		Dibromomethane	1	ug/L
		1,2-Dichlorobenzene	1	ug/L
		1,3-Dichlorobenzene	1	ug/L
		1,4-Dichlorobenzene	1	ug/L
		Dichlorodifluoromethane	1	ug/L
		1,1-Dichloroethane	1	ug/L
		1,2-Dichloroethane	1	ug/L
		1,2-Dichloroethene (Total)	1	ug/L
		1,1-Dichloroethene	1	ug/L
		cis-1,2-Dichloroethene	1	ug/L
		trans-1,2-Dichloroethene	1	ug/L
		1,2-Dichloropropane	1	ug/L
		1,3-Dichloropropane	1	ug/L
		2,2-Dichloropropane	1	ug/L
		1,1-Dichloropropene	1	ug/L
		cis-1,3-Dichloropropene	1	ug/L
		trans-1,3-Dichloropropene	1	ug/L
		Ethylbenzene	1	ug/L
		Hexachloro-1,3-butadiene	1	ug/L
		2-Hexanone	10	ug/L
		Isopropylbenzene (Cumene)	1	ug/L
		p-Isopropyltoluene	1	ug/L
		Methylene Chloride	1	ug/L
		4-Methyl-2-pentanone (MIBK)	10	ug/L
		Methyl-tert-butyl ether	1	ug/L
		Naphthalene	10	ug/L
		n-Propylbenzene	1	ug/L
		Styrene	1	ug/L
		1,1,1,2-Tetrachloroethane	1	ug/L
		1,1,2,2-Tetrachloroethane	1	ug/L
		Tetrachloroethene	1	ug/L
		Toluene	1	ug/L
		1,2,3-Trichlorobenzene	1	ug/L
		1,2,4-Trichlorobenzene	1	ug/L
		1,1,1-Trichloroethane	1	ug/L
		1,1,2-Trichloroethane	1	ug/L
		Trichloroethene	1	ug/L
		Trichlorofluoromethane	1	ug/L
		1,2,3-Trichloropropane	2.5	ug/L
		1,2,4-Trimethylbenzene	1	ug/L
		1,3,5-Trimethylbenzene	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.

## SAMPLE ACKNOWLEDGMENT

### Analyte List

Customer Sample ID	Method	Compound	Reporting	
			Limit	Units
		Vinyl chloride	1	ug/L
		Xylene (Total)	3	ug/L
		Preservation pH	0.1	

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.

July 19, 2022

Kaitlyn Mitchell  
Tetra Tech EMI  
415 Oak  
Kansas City, MO 64106

RE: Project: 31ST & PROSPECT  
Pace Project No.: 60405046

Dear Kaitlyn Mitchell:

Enclosed are the analytical results for sample(s) received by the laboratory on July 08, 2022. 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 - Kansas City

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

Sincerely,



Jeffrey Shopper  
jeff.shopper@pacelabs.com  
1(913)563-1408  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 31ST & PROSPECT

Pace Project No.: 60405046

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### **Pace Analytical Services Kansas**

9608 Loiret Boulevard, Lenexa, KS 66219

Missouri Inorganic Drinking Water Certification #: 10090

Arkansas Drinking Water

Arkansas Certification #: 22-031-0

Arkansas Drinking Water

Illinois Certification #: 2000302021-3

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212020-2

Oklahoma Certification #: 9205/9935

Florida: Cert E871149 SEKS WET

Texas Certification #: T104704407-21-15

Utah Certification #: KS000212019-9

Illinois Certification #: 004592

Kansas Field Laboratory Accreditation: # E-92587

Missouri SEKS Micro Certification: 10070

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 31ST & PROSPECT

Pace Project No.: 60405046

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60405046001	MW-1	Water	07/08/22 10:00	07/08/22 12:00
60405046002	MW-2	Water	07/08/22 09:15	07/08/22 12:00
60405046003	MW-2-FD	Water	07/08/22 09:15	07/08/22 12:00
60405046004	RB	Water	07/08/22 10:10	07/08/22 12:00
60405046005	FB	Water	07/08/22 10:20	07/08/22 12:00
60405046006	TRIP BLANK	Water	07/08/22 11:10	07/08/22 12:00
60405046007	MW-3	Water	07/08/22 08:45	07/08/22 12:00

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: 31ST & PROSPECT

Pace Project No.: 60405046

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60405046001	MW-1	EPA 5030B/8260	CSC	69	PASI-K
60405046002	MW-2	EPA 5030B/8260	PGH	69	PASI-K
60405046003	MW-2-FD	EPA 5030B/8260	PGH	69	PASI-K
60405046004	RB	EPA 5030B/8260	PGH	69	PASI-K
60405046005	FB	EPA 5030B/8260	PGH	69	PASI-K
60405046006	TRIP BLANK	EPA 5030B/8260	PGH	69	PASI-K
60405046007	MW-3	EPA 5030B/8260	PGH	69	PASI-K

PASI-K = Pace Analytical Services - Kansas City

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 31ST & PROSPECT

Pace Project No.: 60405046

Sample: MW-1		Lab ID: 60405046001	Collected: 07/08/22 10:00	Received: 07/08/22 12:00	Matrix: Water			
Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
Acetone	<2.5	ug/L	10.0	1		07/18/22 11:47	67-64-1	
Benzene	<0.14	ug/L	1.0	1		07/18/22 11:47	71-43-2	
Bromobenzene	<0.088	ug/L	1.0	1		07/18/22 11:47	108-86-1	
Bromochloromethane	<0.20	ug/L	1.0	1		07/18/22 11:47	74-97-5	
Bromodichloromethane	<0.16	ug/L	1.0	1		07/18/22 11:47	75-27-4	
Bromoform	<0.68	ug/L	1.0	1		07/18/22 11:47	75-25-2	
Bromomethane	<0.46	ug/L	5.0	1		07/18/22 11:47	74-83-9	
2-Butanone (MEK)	<0.98	ug/L	10.0	1		07/18/22 11:47	78-93-3	
n-Butylbenzene	<0.15	ug/L	1.0	1		07/18/22 11:47	104-51-8	
sec-Butylbenzene	<0.11	ug/L	1.0	1		07/18/22 11:47	135-98-8	
tert-Butylbenzene	<0.12	ug/L	1.0	1		07/18/22 11:47	98-06-6	
Carbon disulfide	<0.98	ug/L	5.0	1		07/18/22 11:47	75-15-0	
Carbon tetrachloride	<0.17	ug/L	1.0	1		07/18/22 11:47	56-23-5	
Chlorobenzene	<0.089	ug/L	1.0	1		07/18/22 11:47	108-90-7	
Chloroethane	<0.37	ug/L	1.0	1		07/18/22 11:47	75-00-3	
Chloroform	<0.22	ug/L	1.0	1		07/18/22 11:47	67-66-3	
Chloromethane	<0.28	ug/L	1.0	1		07/18/22 11:47	74-87-3	
2-Chlorotoluene	<0.11	ug/L	1.0	1		07/18/22 11:47	95-49-8	
4-Chlorotoluene	<0.15	ug/L	1.0	1		07/18/22 11:47	106-43-4	
1,2-Dibromo-3-chloropropane	<0.78	ug/L	2.5	1		07/18/22 11:47	96-12-8	
Dibromochloromethane	<0.30	ug/L	1.0	1		07/18/22 11:47	124-48-1	
1,2-Dibromoethane (EDB)	<0.20	ug/L	1.0	1		07/18/22 11:47	106-93-4	
Dibromomethane	<0.11	ug/L	1.0	1		07/18/22 11:47	74-95-3	
1,2-Dichlorobenzene	<0.12	ug/L	1.0	1		07/18/22 11:47	95-50-1	
1,3-Dichlorobenzene	<0.13	ug/L	1.0	1		07/18/22 11:47	541-73-1	
1,4-Dichlorobenzene	<0.13	ug/L	1.0	1		07/18/22 11:47	106-46-7	
Dichlorodifluoromethane	<0.20	ug/L	1.0	1		07/18/22 11:47	75-71-8	
1,1-Dichloroethane	<0.12	ug/L	1.0	1		07/18/22 11:47	75-34-3	
1,2-Dichloroethane	<0.21	ug/L	1.0	1		07/18/22 11:47	107-06-2	
1,2-Dichloroethene (Total)	2.0	ug/L	1.0	1		07/18/22 11:47	540-59-0	
1,1-Dichloroethene	<0.22	ug/L	1.0	1		07/18/22 11:47	75-35-4	
cis-1,2-Dichloroethene	1.9	ug/L	1.0	1		07/18/22 11:47	156-59-2	
trans-1,2-Dichloroethene	0.12J	ug/L	1.0	1		07/18/22 11:47	156-60-5	
1,2-Dichloropropane	<0.14	ug/L	1.0	1		07/18/22 11:47	78-87-5	
1,3-Dichloropropane	<0.10	ug/L	1.0	1		07/18/22 11:47	142-28-9	
2,2-Dichloropropane	<0.16	ug/L	1.0	1		07/18/22 11:47	594-20-7	
1,1-Dichloropropene	<0.14	ug/L	1.0	1		07/18/22 11:47	563-58-6	
cis-1,3-Dichloropropene	<0.078	ug/L	1.0	1		07/18/22 11:47	10061-01-5	
trans-1,3-Dichloropropene	<0.18	ug/L	1.0	1		07/18/22 11:47	10061-02-6	
Ethylbenzene	<0.12	ug/L	1.0	1		07/18/22 11:47	100-41-4	
Hexachloro-1,3-butadiene	<0.42	ug/L	1.0	1		07/18/22 11:47	87-68-3	
2-Hexanone	<1.1	ug/L	10.0	1		07/18/22 11:47	591-78-6	
Isopropylbenzene (Cumene)	<0.097	ug/L	1.0	1		07/18/22 11:47	98-82-8	
p-Isopropyltoluene	<0.13	ug/L	1.0	1		07/18/22 11:47	99-87-6	
Methylene Chloride	<0.39	ug/L	1.0	1		07/18/22 11:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.74	ug/L	10.0	1		07/18/22 11:47	108-10-1	

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## ANALYTICAL RESULTS

Project: 31ST & PROSPECT

Pace Project No.: 60405046

Sample: MW-1		Lab ID: 60405046001	Collected: 07/08/22 10:00	Received: 07/08/22 12:00	Matrix: Water			
Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
Methyl-tert-butyl ether	<0.13	ug/L	1.0	1		07/18/22 11:47	1634-04-4	
Naphthalene	<0.82	ug/L	10.0	1		07/18/22 11:47	91-20-3	
n-Propylbenzene	<0.12	ug/L	1.0	1		07/18/22 11:47	103-65-1	
Styrene	<0.12	ug/L	1.0	1		07/18/22 11:47	100-42-5	
1,1,1,2-Tetrachloroethane	<0.084	ug/L	1.0	1		07/18/22 11:47	630-20-6	
1,1,2,2-Tetrachloroethane	<0.15	ug/L	1.0	1		07/18/22 11:47	79-34-5	
Tetrachloroethene	61.9	ug/L	1.0	1		07/18/22 11:47	127-18-4	
Toluene	<0.25	ug/L	1.0	1		07/18/22 11:47	108-88-3	
1,2,3-Trichlorobenzene	<0.93	ug/L	1.0	1		07/18/22 11:47	87-61-6	
1,2,4-Trichlorobenzene	<0.73	ug/L	1.0	1		07/18/22 11:47	120-82-1	
1,1,1-Trichloroethane	<0.11	ug/L	1.0	1		07/18/22 11:47	71-55-6	
1,1,2-Trichloroethane	<0.14	ug/L	1.0	1		07/18/22 11:47	79-00-5	
Trichloroethene	17.7	ug/L	1.0	1		07/18/22 11:47	79-01-6	
Trichlorofluoromethane	<0.16	ug/L	1.0	1		07/18/22 11:47	75-69-4	
1,2,3-Trichloropropane	<0.41	ug/L	2.5	1		07/18/22 11:47	96-18-4	
1,2,4-Trimethylbenzene	<0.32	ug/L	1.0	1		07/18/22 11:47	95-63-6	
1,3,5-Trimethylbenzene	<0.090	ug/L	1.0	1		07/18/22 11:47	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	1		07/18/22 11:47	75-01-4	
Xylene (Total)	<0.28	ug/L	3.0	1		07/18/22 11:47	1330-20-7	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	97	%	80-120	1		07/18/22 11:47	460-00-4	
Toluene-d8 (S)	100	%	80-120	1		07/18/22 11:47	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1		07/18/22 11:47	2199-69-1	
Preservation pH	1.0		0.10	1		07/18/22 11:47		

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## ANALYTICAL RESULTS

Project: 31ST & PROSPECT

Pace Project No.: 60405046

Sample: MW-2		Lab ID: 60405046002	Collected: 07/08/22 09:15	Received: 07/08/22 12:00	Matrix: Water			
Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
Acetone	<254	ug/L	1000	100		07/15/22 13:21	67-64-1	
Benzene	<13.6	ug/L	100	100		07/15/22 13:21	71-43-2	
Bromobenzene	<8.8	ug/L	100	100		07/15/22 13:21	108-86-1	
Bromochloromethane	<20.2	ug/L	100	100		07/15/22 13:21	74-97-5	
Bromodichloromethane	<15.5	ug/L	100	100		07/15/22 13:21	75-27-4	
Bromoform	<67.6	ug/L	100	100		07/15/22 13:21	75-25-2	
Bromomethane	<46.0	ug/L	500	100		07/15/22 13:21	74-83-9	
2-Butanone (MEK)	<97.5	ug/L	1000	100		07/15/22 13:21	78-93-3	
n-Butylbenzene	<15.3	ug/L	100	100		07/15/22 13:21	104-51-8	
sec-Butylbenzene	<11.0	ug/L	100	100		07/15/22 13:21	135-98-8	
tert-Butylbenzene	<12.0	ug/L	100	100		07/15/22 13:21	98-06-6	
Carbon disulfide	<97.8	ug/L	500	100		07/15/22 13:21	75-15-0	
Carbon tetrachloride	<17.2	ug/L	100	100		07/15/22 13:21	56-23-5	
Chlorobenzene	<8.9	ug/L	100	100		07/15/22 13:21	108-90-7	
Chloroethane	<37.4	ug/L	100	100		07/15/22 13:21	75-00-3	
Chloroform	<22.0	ug/L	100	100		07/15/22 13:21	67-66-3	
Chloromethane	<28.3	ug/L	100	100		07/15/22 13:21	74-87-3	
2-Chlorotoluene	<10.8	ug/L	100	100		07/15/22 13:21	95-49-8	
4-Chlorotoluene	<14.9	ug/L	100	100		07/15/22 13:21	106-43-4	
1,2-Dibromo-3-chloropropane	<78.0	ug/L	250	100		07/15/22 13:21	96-12-8	
Dibromochloromethane	<30.5	ug/L	100	100		07/15/22 13:21	124-48-1	
1,2-Dibromoethane (EDB)	<19.6	ug/L	100	100		07/15/22 13:21	106-93-4	
Dibromomethane	<10.9	ug/L	100	100		07/15/22 13:21	74-95-3	
1,2-Dichlorobenzene	<12.5	ug/L	100	100		07/15/22 13:21	95-50-1	
1,3-Dichlorobenzene	<13.2	ug/L	100	100		07/15/22 13:21	541-73-1	
1,4-Dichlorobenzene	<13.3	ug/L	100	100		07/15/22 13:21	106-46-7	
Dichlorodifluoromethane	<19.9	ug/L	100	100		07/15/22 13:21	75-71-8	
1,1-Dichloroethane	<12.2	ug/L	100	100		07/15/22 13:21	75-34-3	
1,2-Dichloroethane	<21.2	ug/L	100	100		07/15/22 13:21	107-06-2	
1,2-Dichloroethene (Total)	45.9J	ug/L	100	100		07/15/22 13:21	540-59-0	
1,1-Dichloroethene	<21.9	ug/L	100	100		07/15/22 13:21	75-35-4	
cis-1,2-Dichloroethene	45.9J	ug/L	100	100		07/15/22 13:21	156-59-2	
trans-1,2-Dichloroethene	<10.2	ug/L	100	100		07/15/22 13:21	156-60-5	
1,2-Dichloropropane	<13.9	ug/L	100	100		07/15/22 13:21	78-87-5	
1,3-Dichloropropane	<10.4	ug/L	100	100		07/15/22 13:21	142-28-9	
2,2-Dichloropropane	<16.2	ug/L	100	100		07/15/22 13:21	594-20-7	
1,1-Dichloropropene	<13.5	ug/L	100	100		07/15/22 13:21	563-58-6	
cis-1,3-Dichloropropene	<7.8	ug/L	100	100		07/15/22 13:21	10061-01-5	
trans-1,3-Dichloropropene	<18.2	ug/L	100	100		07/15/22 13:21	10061-02-6	
Ethylbenzene	<12.0	ug/L	100	100		07/15/22 13:21	100-41-4	
Hexachloro-1,3-butadiene	<41.7	ug/L	100	100		07/15/22 13:21	87-68-3	
2-Hexanone	<110	ug/L	1000	100		07/15/22 13:21	591-78-6	
Isopropylbenzene (Cumene)	<9.7	ug/L	100	100		07/15/22 13:21	98-82-8	
p-Isopropyltoluene	<12.7	ug/L	100	100		07/15/22 13:21	99-87-6	
Methylene Chloride	<39.1	ug/L	100	100		07/15/22 13:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	<73.6	ug/L	1000	100		07/15/22 13:21	108-10-1	

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## ANALYTICAL RESULTS

Project: 31ST & PROSPECT

Pace Project No.: 60405046

Sample: MW-2		Lab ID: 60405046002		Collected: 07/08/22 09:15		Received: 07/08/22 12:00		Matrix: Water	
Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City							
Methyl-tert-butyl ether	<12.8	ug/L	100	100		07/15/22 13:21	1634-04-4		
Naphthalene	<82.2	ug/L	1000	100		07/15/22 13:21	91-20-3		
n-Propylbenzene	<11.9	ug/L	100	100		07/15/22 13:21	103-65-1		
Styrene	<12.3	ug/L	100	100		07/15/22 13:21	100-42-5		
1,1,1,2-Tetrachloroethane	<8.4	ug/L	100	100		07/15/22 13:21	630-20-6		
1,1,2,2-Tetrachloroethane	<15.4	ug/L	100	100		07/15/22 13:21	79-34-5		
Tetrachloroethene	7670	ug/L	100	100		07/15/22 13:21	127-18-4		
Toluene	<25.3	ug/L	100	100		07/15/22 13:21	108-88-3		
1,2,3-Trichlorobenzene	<92.7	ug/L	100	100		07/15/22 13:21	87-61-6		
1,2,4-Trichlorobenzene	<73.2	ug/L	100	100		07/15/22 13:21	120-82-1		
1,1,1-Trichloroethane	<10.9	ug/L	100	100		07/15/22 13:21	71-55-6		
1,1,2-Trichloroethane	<14.2	ug/L	100	100		07/15/22 13:21	79-00-5		
Trichloroethene	123	ug/L	100	100		07/15/22 13:21	79-01-6		
Trichlorofluoromethane	<16.4	ug/L	100	100		07/15/22 13:21	75-69-4		
1,2,3-Trichloropropane	<40.8	ug/L	250	100		07/15/22 13:21	96-18-4		
1,2,4-Trimethylbenzene	<32.4	ug/L	100	100		07/15/22 13:21	95-63-6		
1,3,5-Trimethylbenzene	<9.0	ug/L	100	100		07/15/22 13:21	108-67-8		
Vinyl chloride	<16.7	ug/L	100	100		07/15/22 13:21	75-01-4		
Xylene (Total)	<28.2	ug/L	300	100		07/15/22 13:21	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	103	%	80-120	100		07/15/22 13:21	460-00-4		
Toluene-d8 (S)	99	%	80-120	100		07/15/22 13:21	2037-26-5		
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	100		07/15/22 13:21	2199-69-1		
Preservation pH	1.0		0.10	100		07/15/22 13:21			

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## ANALYTICAL RESULTS

Project: 31ST & PROSPECT

Pace Project No.: 60405046

Sample: MW-2-FD		Lab ID: 60405046003	Collected: 07/08/22 09:15	Received: 07/08/22 12:00	Matrix: Water			
Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
Acetone	<254	ug/L	1000	100		07/15/22 13:35	67-64-1	
Benzene	<13.6	ug/L	100	100		07/15/22 13:35	71-43-2	
Bromobenzene	<8.8	ug/L	100	100		07/15/22 13:35	108-86-1	
Bromochloromethane	<20.2	ug/L	100	100		07/15/22 13:35	74-97-5	
Bromodichloromethane	<15.5	ug/L	100	100		07/15/22 13:35	75-27-4	
Bromoform	<67.6	ug/L	100	100		07/15/22 13:35	75-25-2	
Bromomethane	<46.0	ug/L	500	100		07/15/22 13:35	74-83-9	
2-Butanone (MEK)	<97.5	ug/L	1000	100		07/15/22 13:35	78-93-3	
n-Butylbenzene	<15.3	ug/L	100	100		07/15/22 13:35	104-51-8	
sec-Butylbenzene	<11.0	ug/L	100	100		07/15/22 13:35	135-98-8	
tert-Butylbenzene	<12.0	ug/L	100	100		07/15/22 13:35	98-06-6	
Carbon disulfide	<97.8	ug/L	500	100		07/15/22 13:35	75-15-0	
Carbon tetrachloride	<17.2	ug/L	100	100		07/15/22 13:35	56-23-5	
Chlorobenzene	<8.9	ug/L	100	100		07/15/22 13:35	108-90-7	
Chloroethane	<37.4	ug/L	100	100		07/15/22 13:35	75-00-3	
Chloroform	<22.0	ug/L	100	100		07/15/22 13:35	67-66-3	
Chloromethane	<28.3	ug/L	100	100		07/15/22 13:35	74-87-3	
2-Chlorotoluene	<10.8	ug/L	100	100		07/15/22 13:35	95-49-8	
4-Chlorotoluene	<14.9	ug/L	100	100		07/15/22 13:35	106-43-4	
1,2-Dibromo-3-chloropropane	<78.0	ug/L	250	100		07/15/22 13:35	96-12-8	
Dibromochloromethane	<30.5	ug/L	100	100		07/15/22 13:35	124-48-1	
1,2-Dibromoethane (EDB)	<19.6	ug/L	100	100		07/15/22 13:35	106-93-4	
Dibromomethane	<10.9	ug/L	100	100		07/15/22 13:35	74-95-3	
1,2-Dichlorobenzene	<12.5	ug/L	100	100		07/15/22 13:35	95-50-1	
1,3-Dichlorobenzene	<13.2	ug/L	100	100		07/15/22 13:35	541-73-1	
1,4-Dichlorobenzene	<13.3	ug/L	100	100		07/15/22 13:35	106-46-7	
Dichlorodifluoromethane	<19.9	ug/L	100	100		07/15/22 13:35	75-71-8	
1,1-Dichloroethane	<12.2	ug/L	100	100		07/15/22 13:35	75-34-3	
1,2-Dichloroethane	<21.2	ug/L	100	100		07/15/22 13:35	107-06-2	
1,2-Dichloroethene (Total)	<22.2	ug/L	100	100		07/15/22 13:35	540-59-0	
1,1-Dichloroethene	<21.9	ug/L	100	100		07/15/22 13:35	75-35-4	
cis-1,2-Dichloroethene	<12.9	ug/L	100	100		07/15/22 13:35	156-59-2	
trans-1,2-Dichloroethene	<10.2	ug/L	100	100		07/15/22 13:35	156-60-5	
1,2-Dichloropropane	<13.9	ug/L	100	100		07/15/22 13:35	78-87-5	
1,3-Dichloropropane	<10.4	ug/L	100	100		07/15/22 13:35	142-28-9	
2,2-Dichloropropane	<16.2	ug/L	100	100		07/15/22 13:35	594-20-7	
1,1-Dichloropropene	<13.5	ug/L	100	100		07/15/22 13:35	563-58-6	
cis-1,3-Dichloropropene	<7.8	ug/L	100	100		07/15/22 13:35	10061-01-5	
trans-1,3-Dichloropropene	<18.2	ug/L	100	100		07/15/22 13:35	10061-02-6	
Ethylbenzene	<12.0	ug/L	100	100		07/15/22 13:35	100-41-4	
Hexachloro-1,3-butadiene	<41.7	ug/L	100	100		07/15/22 13:35	87-68-3	
2-Hexanone	<110	ug/L	1000	100		07/15/22 13:35	591-78-6	
Isopropylbenzene (Cumene)	<9.7	ug/L	100	100		07/15/22 13:35	98-82-8	
p-Isopropyltoluene	<12.7	ug/L	100	100		07/15/22 13:35	99-87-6	
Methylene Chloride	<39.1	ug/L	100	100		07/15/22 13:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	<73.6	ug/L	1000	100		07/15/22 13:35	108-10-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 31ST & PROSPECT

Pace Project No.: 60405046

Sample: MW-2-FD		Lab ID: 60405046003	Collected: 07/08/22 09:15	Received: 07/08/22 12:00	Matrix: Water			
Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
Methyl-tert-butyl ether	<12.8	ug/L	100	100		07/15/22 13:35	1634-04-4	
Naphthalene	<82.2	ug/L	1000	100		07/15/22 13:35	91-20-3	
n-Propylbenzene	<11.9	ug/L	100	100		07/15/22 13:35	103-65-1	
Styrene	<12.3	ug/L	100	100		07/15/22 13:35	100-42-5	
1,1,1,2-Tetrachloroethane	<8.4	ug/L	100	100		07/15/22 13:35	630-20-6	
1,1,2,2-Tetrachloroethane	<15.4	ug/L	100	100		07/15/22 13:35	79-34-5	
Tetrachloroethene	8290	ug/L	100	100		07/15/22 13:35	127-18-4	
Toluene	<25.3	ug/L	100	100		07/15/22 13:35	108-88-3	
1,2,3-Trichlorobenzene	<92.7	ug/L	100	100		07/15/22 13:35	87-61-6	
1,2,4-Trichlorobenzene	<73.2	ug/L	100	100		07/15/22 13:35	120-82-1	
1,1,1-Trichloroethane	<10.9	ug/L	100	100		07/15/22 13:35	71-55-6	
1,1,2-Trichloroethane	<14.2	ug/L	100	100		07/15/22 13:35	79-00-5	
Trichloroethene	86.8J	ug/L	100	100		07/15/22 13:35	79-01-6	
Trichlorofluoromethane	<16.4	ug/L	100	100		07/15/22 13:35	75-69-4	
1,2,3-Trichloropropane	<40.8	ug/L	250	100		07/15/22 13:35	96-18-4	
1,2,4-Trimethylbenzene	<32.4	ug/L	100	100		07/15/22 13:35	95-63-6	
1,3,5-Trimethylbenzene	<9.0	ug/L	100	100		07/15/22 13:35	108-67-8	
Vinyl chloride	<16.7	ug/L	100	100		07/15/22 13:35	75-01-4	
Xylene (Total)	<28.2	ug/L	300	100		07/15/22 13:35	1330-20-7	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	100	%	80-120	100		07/15/22 13:35	460-00-4	
Toluene-d8 (S)	97	%	80-120	100		07/15/22 13:35	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	100		07/15/22 13:35	2199-69-1	
Preservation pH	1.0		0.10	100		07/15/22 13:35		

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## ANALYTICAL RESULTS

Project: 31ST & PROSPECT

Pace Project No.: 60405046

Sample: RB		Lab ID: 60405046004	Collected: 07/08/22 10:10	Received: 07/08/22 12:00	Matrix: Water			
Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
	Pace Analytical Services - Kansas City							
Acetone	<2.5	ug/L	10.0	1		07/15/22 12:39	67-64-1	
Benzene	<0.14	ug/L	1.0	1		07/15/22 12:39	71-43-2	
Bromobenzene	<0.088	ug/L	1.0	1		07/15/22 12:39	108-86-1	
Bromochloromethane	<0.20	ug/L	1.0	1		07/15/22 12:39	74-97-5	
Bromodichloromethane	<0.16	ug/L	1.0	1		07/15/22 12:39	75-27-4	
Bromoform	<0.68	ug/L	1.0	1		07/15/22 12:39	75-25-2	
Bromomethane	<0.46	ug/L	5.0	1		07/15/22 12:39	74-83-9	
2-Butanone (MEK)	<0.98	ug/L	10.0	1		07/15/22 12:39	78-93-3	
n-Butylbenzene	<0.15	ug/L	1.0	1		07/15/22 12:39	104-51-8	
sec-Butylbenzene	<0.11	ug/L	1.0	1		07/15/22 12:39	135-98-8	
tert-Butylbenzene	<0.12	ug/L	1.0	1		07/15/22 12:39	98-06-6	
Carbon disulfide	<0.98	ug/L	5.0	1		07/15/22 12:39	75-15-0	
Carbon tetrachloride	<0.17	ug/L	1.0	1		07/15/22 12:39	56-23-5	
Chlorobenzene	<0.089	ug/L	1.0	1		07/15/22 12:39	108-90-7	
Chloroethane	<0.37	ug/L	1.0	1		07/15/22 12:39	75-00-3	
Chloroform	<0.22	ug/L	1.0	1		07/15/22 12:39	67-66-3	
Chloromethane	<0.28	ug/L	1.0	1		07/15/22 12:39	74-87-3	
2-Chlorotoluene	<0.11	ug/L	1.0	1		07/15/22 12:39	95-49-8	
4-Chlorotoluene	<0.15	ug/L	1.0	1		07/15/22 12:39	106-43-4	
1,2-Dibromo-3-chloropropane	<0.78	ug/L	2.5	1		07/15/22 12:39	96-12-8	
Dibromochloromethane	<0.30	ug/L	1.0	1		07/15/22 12:39	124-48-1	
1,2-Dibromoethane (EDB)	<0.20	ug/L	1.0	1		07/15/22 12:39	106-93-4	
Dibromomethane	<0.11	ug/L	1.0	1		07/15/22 12:39	74-95-3	
1,2-Dichlorobenzene	<0.12	ug/L	1.0	1		07/15/22 12:39	95-50-1	
1,3-Dichlorobenzene	<0.13	ug/L	1.0	1		07/15/22 12:39	541-73-1	
1,4-Dichlorobenzene	<0.13	ug/L	1.0	1		07/15/22 12:39	106-46-7	
Dichlorodifluoromethane	<0.20	ug/L	1.0	1		07/15/22 12:39	75-71-8	
1,1-Dichloroethane	<0.12	ug/L	1.0	1		07/15/22 12:39	75-34-3	
1,2-Dichloroethane	<0.21	ug/L	1.0	1		07/15/22 12:39	107-06-2	
1,2-Dichloroethene (Total)	<0.22	ug/L	1.0	1		07/15/22 12:39	540-59-0	
1,1-Dichloroethene	<0.22	ug/L	1.0	1		07/15/22 12:39	75-35-4	
cis-1,2-Dichloroethene	<0.13	ug/L	1.0	1		07/15/22 12:39	156-59-2	
trans-1,2-Dichloroethene	<0.10	ug/L	1.0	1		07/15/22 12:39	156-60-5	
1,2-Dichloropropane	<0.14	ug/L	1.0	1		07/15/22 12:39	78-87-5	
1,3-Dichloropropane	<0.10	ug/L	1.0	1		07/15/22 12:39	142-28-9	
2,2-Dichloropropane	<0.16	ug/L	1.0	1		07/15/22 12:39	594-20-7	
1,1-Dichloropropene	<0.14	ug/L	1.0	1		07/15/22 12:39	563-58-6	
cis-1,3-Dichloropropene	<0.078	ug/L	1.0	1		07/15/22 12:39	10061-01-5	
trans-1,3-Dichloropropene	<0.18	ug/L	1.0	1		07/15/22 12:39	10061-02-6	
Ethylbenzene	<0.12	ug/L	1.0	1		07/15/22 12:39	100-41-4	
Hexachloro-1,3-butadiene	<0.42	ug/L	1.0	1		07/15/22 12:39	87-68-3	
2-Hexanone	<1.1	ug/L	10.0	1		07/15/22 12:39	591-78-6	
Isopropylbenzene (Cumene)	<0.097	ug/L	1.0	1		07/15/22 12:39	98-82-8	
p-Isopropyltoluene	<0.13	ug/L	1.0	1		07/15/22 12:39	99-87-6	
Methylene Chloride	<0.39	ug/L	1.0	1		07/15/22 12:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.74	ug/L	10.0	1		07/15/22 12:39	108-10-1	

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## ANALYTICAL RESULTS

Project: 31ST & PROSPECT

Pace Project No.: 60405046

Sample: RB		Lab ID: 60405046004	Collected: 07/08/22 10:10	Received: 07/08/22 12:00	Matrix: Water			
Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
Methyl-tert-butyl ether	<0.13	ug/L	1.0	1		07/15/22 12:39	1634-04-4	
Naphthalene	<0.82	ug/L	10.0	1		07/15/22 12:39	91-20-3	
n-Propylbenzene	<0.12	ug/L	1.0	1		07/15/22 12:39	103-65-1	
Styrene	<0.12	ug/L	1.0	1		07/15/22 12:39	100-42-5	
1,1,1,2-Tetrachloroethane	<0.084	ug/L	1.0	1		07/15/22 12:39	630-20-6	
1,1,2,2-Tetrachloroethane	<0.15	ug/L	1.0	1		07/15/22 12:39	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.0	1		07/15/22 12:39	127-18-4	
Toluene	<0.25	ug/L	1.0	1		07/15/22 12:39	108-88-3	
1,2,3-Trichlorobenzene	<0.93	ug/L	1.0	1		07/15/22 12:39	87-61-6	
1,2,4-Trichlorobenzene	<0.73	ug/L	1.0	1		07/15/22 12:39	120-82-1	
1,1,1-Trichloroethane	<0.11	ug/L	1.0	1		07/15/22 12:39	71-55-6	
1,1,2-Trichloroethane	<0.14	ug/L	1.0	1		07/15/22 12:39	79-00-5	
Trichloroethene	<0.21	ug/L	1.0	1		07/15/22 12:39	79-01-6	
Trichlorofluoromethane	<0.16	ug/L	1.0	1		07/15/22 12:39	75-69-4	
1,2,3-Trichloropropane	<0.41	ug/L	2.5	1		07/15/22 12:39	96-18-4	
1,2,4-Trimethylbenzene	<0.32	ug/L	1.0	1		07/15/22 12:39	95-63-6	
1,3,5-Trimethylbenzene	<0.090	ug/L	1.0	1		07/15/22 12:39	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	1		07/15/22 12:39	75-01-4	
Xylene (Total)	<0.28	ug/L	3.0	1		07/15/22 12:39	1330-20-7	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	102	%	80-120	1		07/15/22 12:39	460-00-4	
Toluene-d8 (S)	98	%	80-120	1		07/15/22 12:39	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1		07/15/22 12:39	2199-69-1	
Preservation pH	1.0		0.10	1		07/15/22 12:39		

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## ANALYTICAL RESULTS

Project: 31ST & PROSPECT

Pace Project No.: 60405046

Sample: FB		Lab ID: 60405046005	Collected: 07/08/22 10:20	Received: 07/08/22 12:00	Matrix: Water			
Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
Acetone	<2.5	ug/L	10.0	1		07/15/22 11:44	67-64-1	
Benzene	<0.14	ug/L	1.0	1		07/15/22 11:44	71-43-2	
Bromobenzene	<0.088	ug/L	1.0	1		07/15/22 11:44	108-86-1	
Bromochloromethane	<0.20	ug/L	1.0	1		07/15/22 11:44	74-97-5	
Bromodichloromethane	<0.16	ug/L	1.0	1		07/15/22 11:44	75-27-4	
Bromoform	<0.68	ug/L	1.0	1		07/15/22 11:44	75-25-2	
Bromomethane	<0.46	ug/L	5.0	1		07/15/22 11:44	74-83-9	
2-Butanone (MEK)	<0.98	ug/L	10.0	1		07/15/22 11:44	78-93-3	
n-Butylbenzene	<0.15	ug/L	1.0	1		07/15/22 11:44	104-51-8	
sec-Butylbenzene	<0.11	ug/L	1.0	1		07/15/22 11:44	135-98-8	
tert-Butylbenzene	<0.12	ug/L	1.0	1		07/15/22 11:44	98-06-6	
Carbon disulfide	<0.98	ug/L	5.0	1		07/15/22 11:44	75-15-0	
Carbon tetrachloride	<0.17	ug/L	1.0	1		07/15/22 11:44	56-23-5	
Chlorobenzene	<0.089	ug/L	1.0	1		07/15/22 11:44	108-90-7	
Chloroethane	<0.37	ug/L	1.0	1		07/15/22 11:44	75-00-3	
Chloroform	<0.22	ug/L	1.0	1		07/15/22 11:44	67-66-3	
Chloromethane	<0.28	ug/L	1.0	1		07/15/22 11:44	74-87-3	
2-Chlorotoluene	<0.11	ug/L	1.0	1		07/15/22 11:44	95-49-8	
4-Chlorotoluene	<0.15	ug/L	1.0	1		07/15/22 11:44	106-43-4	
1,2-Dibromo-3-chloropropane	<0.78	ug/L	2.5	1		07/15/22 11:44	96-12-8	
Dibromochloromethane	<0.30	ug/L	1.0	1		07/15/22 11:44	124-48-1	
1,2-Dibromoethane (EDB)	<0.20	ug/L	1.0	1		07/15/22 11:44	106-93-4	
Dibromomethane	<0.11	ug/L	1.0	1		07/15/22 11:44	74-95-3	
1,2-Dichlorobenzene	<0.12	ug/L	1.0	1		07/15/22 11:44	95-50-1	
1,3-Dichlorobenzene	<0.13	ug/L	1.0	1		07/15/22 11:44	541-73-1	
1,4-Dichlorobenzene	<0.13	ug/L	1.0	1		07/15/22 11:44	106-46-7	
Dichlorodifluoromethane	<0.20	ug/L	1.0	1		07/15/22 11:44	75-71-8	
1,1-Dichloroethane	<0.12	ug/L	1.0	1		07/15/22 11:44	75-34-3	
1,2-Dichloroethane	<0.21	ug/L	1.0	1		07/15/22 11:44	107-06-2	
1,2-Dichloroethene (Total)	<0.22	ug/L	1.0	1		07/15/22 11:44	540-59-0	
1,1-Dichloroethene	<0.22	ug/L	1.0	1		07/15/22 11:44	75-35-4	
cis-1,2-Dichloroethene	<0.13	ug/L	1.0	1		07/15/22 11:44	156-59-2	
trans-1,2-Dichloroethene	<0.10	ug/L	1.0	1		07/15/22 11:44	156-60-5	
1,2-Dichloropropane	<0.14	ug/L	1.0	1		07/15/22 11:44	78-87-5	
1,3-Dichloropropane	<0.10	ug/L	1.0	1		07/15/22 11:44	142-28-9	
2,2-Dichloropropane	<0.16	ug/L	1.0	1		07/15/22 11:44	594-20-7	
1,1-Dichloropropene	<0.14	ug/L	1.0	1		07/15/22 11:44	563-58-6	
cis-1,3-Dichloropropene	<0.078	ug/L	1.0	1		07/15/22 11:44	10061-01-5	
trans-1,3-Dichloropropene	<0.18	ug/L	1.0	1		07/15/22 11:44	10061-02-6	
Ethylbenzene	<0.12	ug/L	1.0	1		07/15/22 11:44	100-41-4	
Hexachloro-1,3-butadiene	<0.42	ug/L	1.0	1		07/15/22 11:44	87-68-3	
2-Hexanone	<1.1	ug/L	10.0	1		07/15/22 11:44	591-78-6	
Isopropylbenzene (Cumene)	<0.097	ug/L	1.0	1		07/15/22 11:44	98-82-8	
p-Isopropyltoluene	<0.13	ug/L	1.0	1		07/15/22 11:44	99-87-6	
Methylene Chloride	<0.39	ug/L	1.0	1		07/15/22 11:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.74	ug/L	10.0	1		07/15/22 11:44	108-10-1	

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## ANALYTICAL RESULTS

Project: 31ST & PROSPECT

Pace Project No.: 60405046

Sample: FB		Lab ID: 60405046005	Collected: 07/08/22 10:20	Received: 07/08/22 12:00	Matrix: Water			
Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
Methyl-tert-butyl ether	<0.13	ug/L	1.0	1		07/15/22 11:44	1634-04-4	
Naphthalene	<0.82	ug/L	10.0	1		07/15/22 11:44	91-20-3	
n-Propylbenzene	<0.12	ug/L	1.0	1		07/15/22 11:44	103-65-1	
Styrene	<0.12	ug/L	1.0	1		07/15/22 11:44	100-42-5	
1,1,1,2-Tetrachloroethane	<0.084	ug/L	1.0	1		07/15/22 11:44	630-20-6	
1,1,2,2-Tetrachloroethane	<0.15	ug/L	1.0	1		07/15/22 11:44	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.0	1		07/15/22 11:44	127-18-4	
Toluene	<0.25	ug/L	1.0	1		07/15/22 11:44	108-88-3	
1,2,3-Trichlorobenzene	<0.93	ug/L	1.0	1		07/15/22 11:44	87-61-6	
1,2,4-Trichlorobenzene	<0.73	ug/L	1.0	1		07/15/22 11:44	120-82-1	
1,1,1-Trichloroethane	<0.11	ug/L	1.0	1		07/15/22 11:44	71-55-6	
1,1,2-Trichloroethane	<0.14	ug/L	1.0	1		07/15/22 11:44	79-00-5	
Trichloroethene	<0.21	ug/L	1.0	1		07/15/22 11:44	79-01-6	
Trichlorofluoromethane	<0.16	ug/L	1.0	1		07/15/22 11:44	75-69-4	
1,2,3-Trichloropropane	<0.41	ug/L	2.5	1		07/15/22 11:44	96-18-4	
1,2,4-Trimethylbenzene	<0.32	ug/L	1.0	1		07/15/22 11:44	95-63-6	
1,3,5-Trimethylbenzene	<0.090	ug/L	1.0	1		07/15/22 11:44	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	1		07/15/22 11:44	75-01-4	
Xylene (Total)	<0.28	ug/L	3.0	1		07/15/22 11:44	1330-20-7	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	103	%	80-120	1		07/15/22 11:44	460-00-4	
Toluene-d8 (S)	97	%	80-120	1		07/15/22 11:44	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1		07/15/22 11:44	2199-69-1	
Preservation pH	1.0		0.10	1		07/15/22 11:44		

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## ANALYTICAL RESULTS

Project: 31ST & PROSPECT

Pace Project No.: 60405046

Sample: TRIP BLANK		Lab ID: 60405046006	Collected: 07/08/22 11:10	Received: 07/08/22 12:00	Matrix: Water			
Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 5030B/8260						
		Pace Analytical Services - Kansas City						
Acetone	<2.5	ug/L	10.0	1		07/15/22 11:30	67-64-1	
Benzene	<0.14	ug/L	1.0	1		07/15/22 11:30	71-43-2	
Bromobenzene	<0.088	ug/L	1.0	1		07/15/22 11:30	108-86-1	
Bromochloromethane	<0.20	ug/L	1.0	1		07/15/22 11:30	74-97-5	
Bromodichloromethane	<0.16	ug/L	1.0	1		07/15/22 11:30	75-27-4	
Bromoform	<0.68	ug/L	1.0	1		07/15/22 11:30	75-25-2	
Bromomethane	<0.46	ug/L	5.0	1		07/15/22 11:30	74-83-9	
2-Butanone (MEK)	<0.98	ug/L	10.0	1		07/15/22 11:30	78-93-3	
n-Butylbenzene	<0.15	ug/L	1.0	1		07/15/22 11:30	104-51-8	
sec-Butylbenzene	<0.11	ug/L	1.0	1		07/15/22 11:30	135-98-8	
tert-Butylbenzene	<0.12	ug/L	1.0	1		07/15/22 11:30	98-06-6	
Carbon disulfide	<0.98	ug/L	5.0	1		07/15/22 11:30	75-15-0	
Carbon tetrachloride	<0.17	ug/L	1.0	1		07/15/22 11:30	56-23-5	
Chlorobenzene	<0.089	ug/L	1.0	1		07/15/22 11:30	108-90-7	
Chloroethane	<0.37	ug/L	1.0	1		07/15/22 11:30	75-00-3	
Chloroform	<0.22	ug/L	1.0	1		07/15/22 11:30	67-66-3	
Chloromethane	<0.28	ug/L	1.0	1		07/15/22 11:30	74-87-3	
2-Chlorotoluene	<0.11	ug/L	1.0	1		07/15/22 11:30	95-49-8	
4-Chlorotoluene	<0.15	ug/L	1.0	1		07/15/22 11:30	106-43-4	
1,2-Dibromo-3-chloropropane	<0.78	ug/L	2.5	1		07/15/22 11:30	96-12-8	
Dibromochloromethane	<0.30	ug/L	1.0	1		07/15/22 11:30	124-48-1	
1,2-Dibromoethane (EDB)	<0.20	ug/L	1.0	1		07/15/22 11:30	106-93-4	
Dibromomethane	<0.11	ug/L	1.0	1		07/15/22 11:30	74-95-3	
1,2-Dichlorobenzene	<0.12	ug/L	1.0	1		07/15/22 11:30	95-50-1	
1,3-Dichlorobenzene	<0.13	ug/L	1.0	1		07/15/22 11:30	541-73-1	
1,4-Dichlorobenzene	<0.13	ug/L	1.0	1		07/15/22 11:30	106-46-7	
Dichlorodifluoromethane	<0.20	ug/L	1.0	1		07/15/22 11:30	75-71-8	
1,1-Dichloroethane	<0.12	ug/L	1.0	1		07/15/22 11:30	75-34-3	
1,2-Dichloroethane	<0.21	ug/L	1.0	1		07/15/22 11:30	107-06-2	
1,2-Dichloroethene (Total)	<0.22	ug/L	1.0	1		07/15/22 11:30	540-59-0	
1,1-Dichloroethene	<0.22	ug/L	1.0	1		07/15/22 11:30	75-35-4	
cis-1,2-Dichloroethene	<0.13	ug/L	1.0	1		07/15/22 11:30	156-59-2	
trans-1,2-Dichloroethene	<0.10	ug/L	1.0	1		07/15/22 11:30	156-60-5	
1,2-Dichloropropane	<0.14	ug/L	1.0	1		07/15/22 11:30	78-87-5	
1,3-Dichloropropane	<0.10	ug/L	1.0	1		07/15/22 11:30	142-28-9	
2,2-Dichloropropane	<0.16	ug/L	1.0	1		07/15/22 11:30	594-20-7	
1,1-Dichloropropene	<0.14	ug/L	1.0	1		07/15/22 11:30	563-58-6	
cis-1,3-Dichloropropene	<0.078	ug/L	1.0	1		07/15/22 11:30	10061-01-5	
trans-1,3-Dichloropropene	<0.18	ug/L	1.0	1		07/15/22 11:30	10061-02-6	
Ethylbenzene	<0.12	ug/L	1.0	1		07/15/22 11:30	100-41-4	
Hexachloro-1,3-butadiene	<0.42	ug/L	1.0	1		07/15/22 11:30	87-68-3	
2-Hexanone	<1.1	ug/L	10.0	1		07/15/22 11:30	591-78-6	
Isopropylbenzene (Cumene)	<0.097	ug/L	1.0	1		07/15/22 11:30	98-82-8	
p-Isopropyltoluene	<0.13	ug/L	1.0	1		07/15/22 11:30	99-87-6	
Methylene Chloride	0.71J	ug/L	1.0	1		07/15/22 11:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.74	ug/L	10.0	1		07/15/22 11:30	108-10-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 31ST & PROSPECT

Pace Project No.: 60405046

Sample: TRIP BLANK		Lab ID: 60405046006	Collected: 07/08/22 11:10	Received: 07/08/22 12:00	Matrix: Water			
Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 5030B/8260						
		Pace Analytical Services - Kansas City						
Methyl-tert-butyl ether	<0.13	ug/L	1.0	1		07/15/22 11:30	1634-04-4	
Naphthalene	<0.82	ug/L	10.0	1		07/15/22 11:30	91-20-3	
n-Propylbenzene	<0.12	ug/L	1.0	1		07/15/22 11:30	103-65-1	
Styrene	<0.12	ug/L	1.0	1		07/15/22 11:30	100-42-5	
1,1,1,2-Tetrachloroethane	<0.084	ug/L	1.0	1		07/15/22 11:30	630-20-6	
1,1,2,2-Tetrachloroethane	<0.15	ug/L	1.0	1		07/15/22 11:30	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.0	1		07/15/22 11:30	127-18-4	
Toluene	<0.25	ug/L	1.0	1		07/15/22 11:30	108-88-3	
1,2,3-Trichlorobenzene	<0.93	ug/L	1.0	1		07/15/22 11:30	87-61-6	
1,2,4-Trichlorobenzene	<0.73	ug/L	1.0	1		07/15/22 11:30	120-82-1	
1,1,1-Trichloroethane	<0.11	ug/L	1.0	1		07/15/22 11:30	71-55-6	
1,1,2-Trichloroethane	<0.14	ug/L	1.0	1		07/15/22 11:30	79-00-5	
Trichloroethene	<0.21	ug/L	1.0	1		07/15/22 11:30	79-01-6	
Trichlorofluoromethane	<0.16	ug/L	1.0	1		07/15/22 11:30	75-69-4	
1,2,3-Trichloropropane	<0.41	ug/L	2.5	1		07/15/22 11:30	96-18-4	
1,2,4-Trimethylbenzene	<0.32	ug/L	1.0	1		07/15/22 11:30	95-63-6	
1,3,5-Trimethylbenzene	<0.090	ug/L	1.0	1		07/15/22 11:30	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	1		07/15/22 11:30	75-01-4	
Xylene (Total)	<0.28	ug/L	3.0	1		07/15/22 11:30	1330-20-7	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	102	%	80-120	1		07/15/22 11:30	460-00-4	
Toluene-d8 (S)	97	%	80-120	1		07/15/22 11:30	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1		07/15/22 11:30	2199-69-1	
Preservation pH	1.0		0.10	1		07/15/22 11:30		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 31ST & PROSPECT

Pace Project No.: 60405046

Sample: MW-3		Lab ID: 60405046007	Collected: 07/08/22 08:45	Received: 07/08/22 12:00	Matrix: Water			
Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
	Pace Analytical Services - Kansas City							
Acetone	<12.7	ug/L	50.0	5		07/15/22 13:07	67-64-1	
Benzene	3.2J	ug/L	5.0	5		07/15/22 13:07	71-43-2	
Bromobenzene	<0.44	ug/L	5.0	5		07/15/22 13:07	108-86-1	
Bromochloromethane	<1.0	ug/L	5.0	5		07/15/22 13:07	74-97-5	
Bromodichloromethane	<0.78	ug/L	5.0	5		07/15/22 13:07	75-27-4	
Bromoform	<3.4	ug/L	5.0	5		07/15/22 13:07	75-25-2	
Bromomethane	<2.3	ug/L	25.0	5		07/15/22 13:07	74-83-9	
2-Butanone (MEK)	<4.9	ug/L	50.0	5		07/15/22 13:07	78-93-3	
n-Butylbenzene	<0.76	ug/L	5.0	5		07/15/22 13:07	104-51-8	
sec-Butylbenzene	<0.55	ug/L	5.0	5		07/15/22 13:07	135-98-8	
tert-Butylbenzene	<0.60	ug/L	5.0	5		07/15/22 13:07	98-06-6	
Carbon disulfide	<4.9	ug/L	25.0	5		07/15/22 13:07	75-15-0	
Carbon tetrachloride	<0.86	ug/L	5.0	5		07/15/22 13:07	56-23-5	
Chlorobenzene	<0.44	ug/L	5.0	5		07/15/22 13:07	108-90-7	
Chloroethane	<1.9	ug/L	5.0	5		07/15/22 13:07	75-00-3	
Chloroform	<1.1	ug/L	5.0	5		07/15/22 13:07	67-66-3	
Chloromethane	<1.4	ug/L	5.0	5		07/15/22 13:07	74-87-3	
2-Chlorotoluene	<0.54	ug/L	5.0	5		07/15/22 13:07	95-49-8	
4-Chlorotoluene	<0.74	ug/L	5.0	5		07/15/22 13:07	106-43-4	
1,2-Dibromo-3-chloropropane	<3.9	ug/L	12.5	5		07/15/22 13:07	96-12-8	
Dibromochloromethane	<1.5	ug/L	5.0	5		07/15/22 13:07	124-48-1	
1,2-Dibromoethane (EDB)	<0.98	ug/L	5.0	5		07/15/22 13:07	106-93-4	
Dibromomethane	<0.54	ug/L	5.0	5		07/15/22 13:07	74-95-3	
1,2-Dichlorobenzene	<0.62	ug/L	5.0	5		07/15/22 13:07	95-50-1	
1,3-Dichlorobenzene	<0.66	ug/L	5.0	5		07/15/22 13:07	541-73-1	
1,4-Dichlorobenzene	<0.66	ug/L	5.0	5		07/15/22 13:07	106-46-7	
Dichlorodifluoromethane	<1.0	ug/L	5.0	5		07/15/22 13:07	75-71-8	
1,1-Dichloroethane	<0.61	ug/L	5.0	5		07/15/22 13:07	75-34-3	
1,2-Dichloroethane	<1.1	ug/L	5.0	5		07/15/22 13:07	107-06-2	
1,2-Dichloroethene (Total)	109	ug/L	5.0	5		07/15/22 13:07	540-59-0	
1,1-Dichloroethene	<1.1	ug/L	5.0	5		07/15/22 13:07	75-35-4	
cis-1,2-Dichloroethene	107	ug/L	5.0	5		07/15/22 13:07	156-59-2	
trans-1,2-Dichloroethene	1.4J	ug/L	5.0	5		07/15/22 13:07	156-60-5	
1,2-Dichloropropane	<0.70	ug/L	5.0	5		07/15/22 13:07	78-87-5	
1,3-Dichloropropane	<0.52	ug/L	5.0	5		07/15/22 13:07	142-28-9	
2,2-Dichloropropane	<0.81	ug/L	5.0	5		07/15/22 13:07	594-20-7	
1,1-Dichloropropene	<0.68	ug/L	5.0	5		07/15/22 13:07	563-58-6	
cis-1,3-Dichloropropene	<0.39	ug/L	5.0	5		07/15/22 13:07	10061-01-5	
trans-1,3-Dichloropropene	<0.91	ug/L	5.0	5		07/15/22 13:07	10061-02-6	
Ethylbenzene	<0.60	ug/L	5.0	5		07/15/22 13:07	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	5		07/15/22 13:07	87-68-3	
2-Hexanone	<5.5	ug/L	50.0	5		07/15/22 13:07	591-78-6	
Isopropylbenzene (Cumene)	1.3J	ug/L	5.0	5		07/15/22 13:07	98-82-8	
p-Isopropyltoluene	<0.64	ug/L	5.0	5		07/15/22 13:07	99-87-6	
Methylene Chloride	2.9J	ug/L	5.0	5		07/15/22 13:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	<3.7	ug/L	50.0	5		07/15/22 13:07	108-10-1	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 31ST & PROSPECT

Pace Project No.: 60405046

Sample: MW-3		Lab ID: 60405046007	Collected: 07/08/22 08:45	Received: 07/08/22 12:00	Matrix: Water			
Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
Methyl-tert-butyl ether	<0.64	ug/L	5.0	5		07/15/22 13:07	1634-04-4	
Naphthalene	<4.1	ug/L	50.0	5		07/15/22 13:07	91-20-3	
n-Propylbenzene	<0.60	ug/L	5.0	5		07/15/22 13:07	103-65-1	
Styrene	<0.62	ug/L	5.0	5		07/15/22 13:07	100-42-5	
1,1,1,2-Tetrachloroethane	<0.42	ug/L	5.0	5		07/15/22 13:07	630-20-6	
1,1,2,2-Tetrachloroethane	<0.77	ug/L	5.0	5		07/15/22 13:07	79-34-5	
Tetrachloroethene	528	ug/L	5.0	5		07/15/22 13:07	127-18-4	
Toluene	<1.3	ug/L	5.0	5		07/15/22 13:07	108-88-3	
1,2,3-Trichlorobenzene	<4.6	ug/L	5.0	5		07/15/22 13:07	87-61-6	
1,2,4-Trichlorobenzene	<3.7	ug/L	5.0	5		07/15/22 13:07	120-82-1	
1,1,1-Trichloroethane	<0.54	ug/L	5.0	5		07/15/22 13:07	71-55-6	
1,1,2-Trichloroethane	<0.71	ug/L	5.0	5		07/15/22 13:07	79-00-5	
Trichloroethene	198	ug/L	5.0	5		07/15/22 13:07	79-01-6	
Trichlorofluoromethane	<0.82	ug/L	5.0	5		07/15/22 13:07	75-69-4	
1,2,3-Trichloropropane	<2.0	ug/L	12.5	5		07/15/22 13:07	96-18-4	
1,2,4-Trimethylbenzene	<1.6	ug/L	5.0	5		07/15/22 13:07	95-63-6	
1,3,5-Trimethylbenzene	<0.45	ug/L	5.0	5		07/15/22 13:07	108-67-8	
Vinyl chloride	<0.84	ug/L	5.0	5		07/15/22 13:07	75-01-4	
Xylene (Total)	<1.4	ug/L	15.0	5		07/15/22 13:07	1330-20-7	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	103	%	80-120	5		07/15/22 13:07	460-00-4	
Toluene-d8 (S)	96	%	80-120	5		07/15/22 13:07	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	5		07/15/22 13:07	2199-69-1	
Preservation pH	1.0		0.10	5		07/15/22 13:07		

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 31ST & PROSPECT

Pace Project No.: 60405046

QC Batch: 797052

Analysis Method: EPA 5030B/8260

QC Batch Method: EPA 5030B/8260

Analysis Description: 8260 MSV Water 10 mL Purge

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60405046002, 60405046003, 60405046004, 60405046005, 60405046006, 60405046007

METHOD BLANK: 3175235

Matrix: Water

Associated Lab Samples: 60405046002, 60405046003, 60405046004, 60405046005, 60405046006, 60405046007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.084	1.0	07/15/22 10:49	
1,1,1-Trichloroethane	ug/L	<0.11	1.0	07/15/22 10:49	
1,1,2,2-Tetrachloroethane	ug/L	<0.15	1.0	07/15/22 10:49	
1,1,2-Trichloroethane	ug/L	<0.14	1.0	07/15/22 10:49	
1,1-Dichloroethane	ug/L	<0.12	1.0	07/15/22 10:49	
1,1-Dichloroethene	ug/L	<0.22	1.0	07/15/22 10:49	
1,1-Dichloropropene	ug/L	<0.14	1.0	07/15/22 10:49	
1,2,3-Trichlorobenzene	ug/L	<0.93	1.0	07/15/22 10:49	
1,2,3-Trichloropropane	ug/L	<0.41	2.5	07/15/22 10:49	
1,2,4-Trichlorobenzene	ug/L	<0.73	1.0	07/15/22 10:49	
1,2,4-Trimethylbenzene	ug/L	<0.32	1.0	07/15/22 10:49	
1,2-Dibromo-3-chloropropane	ug/L	<0.78	2.5	07/15/22 10:49	
1,2-Dibromoethane (EDB)	ug/L	<0.20	1.0	07/15/22 10:49	
1,2-Dichlorobenzene	ug/L	<0.12	1.0	07/15/22 10:49	
1,2-Dichloroethane	ug/L	<0.21	1.0	07/15/22 10:49	
1,2-Dichloroethene (Total)	ug/L	<0.22	1.0	07/15/22 10:49	
1,2-Dichloropropane	ug/L	<0.14	1.0	07/15/22 10:49	
1,3,5-Trimethylbenzene	ug/L	<0.090	1.0	07/15/22 10:49	
1,3-Dichlorobenzene	ug/L	<0.13	1.0	07/15/22 10:49	
1,3-Dichloropropane	ug/L	<0.10	1.0	07/15/22 10:49	
1,4-Dichlorobenzene	ug/L	0.14J	1.0	07/15/22 10:49	
2,2-Dichloropropane	ug/L	<0.16	1.0	07/15/22 10:49	
2-Butanone (MEK)	ug/L	<0.98	10.0	07/15/22 10:49	
2-Chlorotoluene	ug/L	<0.11	1.0	07/15/22 10:49	
2-Hexanone	ug/L	<1.1	10.0	07/15/22 10:49	
4-Chlorotoluene	ug/L	<0.15	1.0	07/15/22 10:49	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.74	10.0	07/15/22 10:49	
Acetone	ug/L	<2.5	10.0	07/15/22 10:49	
Benzene	ug/L	<0.14	1.0	07/15/22 10:49	
Bromobenzene	ug/L	<0.088	1.0	07/15/22 10:49	
Bromochloromethane	ug/L	<0.20	1.0	07/15/22 10:49	
Bromodichloromethane	ug/L	<0.16	1.0	07/15/22 10:49	
Bromoform	ug/L	<0.68	1.0	07/15/22 10:49	
Bromomethane	ug/L	<0.46	5.0	07/15/22 10:49	
Carbon disulfide	ug/L	<0.98	5.0	07/15/22 10:49	
Carbon tetrachloride	ug/L	<0.17	1.0	07/15/22 10:49	
Chlorobenzene	ug/L	<0.089	1.0	07/15/22 10:49	
Chloroethane	ug/L	<0.37	1.0	07/15/22 10:49	
Chloroform	ug/L	<0.22	1.0	07/15/22 10:49	
Chloromethane	ug/L	<0.28	1.0	07/15/22 10:49	

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

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## QUALITY CONTROL DATA

Project: 31ST & PROSPECT

Pace Project No.: 60405046

METHOD BLANK: 3175235

Matrix: Water

Associated Lab Samples: 60405046002, 60405046003, 60405046004, 60405046005, 60405046006, 60405046007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	<0.13	1.0	07/15/22 10:49	
cis-1,3-Dichloropropene	ug/L	<0.078	1.0	07/15/22 10:49	
Dibromochloromethane	ug/L	<0.30	1.0	07/15/22 10:49	
Dibromomethane	ug/L	<0.11	1.0	07/15/22 10:49	
Dichlorodifluoromethane	ug/L	<0.20	1.0	07/15/22 10:49	
Ethylbenzene	ug/L	<0.12	1.0	07/15/22 10:49	
Hexachloro-1,3-butadiene	ug/L	<0.42	1.0	07/15/22 10:49	
Isopropylbenzene (Cumene)	ug/L	<0.097	1.0	07/15/22 10:49	
Methyl-tert-butyl ether	ug/L	<0.13	1.0	07/15/22 10:49	
Methylene Chloride	ug/L	<0.39	1.0	07/15/22 10:49	
n-Butylbenzene	ug/L	<0.15	1.0	07/15/22 10:49	
n-Propylbenzene	ug/L	<0.12	1.0	07/15/22 10:49	
Naphthalene	ug/L	<0.82	10.0	07/15/22 10:49	
p-Isopropyltoluene	ug/L	<0.13	1.0	07/15/22 10:49	
sec-Butylbenzene	ug/L	<0.11	1.0	07/15/22 10:49	
Styrene	ug/L	<0.12	1.0	07/15/22 10:49	
tert-Butylbenzene	ug/L	<0.12	1.0	07/15/22 10:49	
Tetrachloroethene	ug/L	<0.33	1.0	07/15/22 10:49	
Toluene	ug/L	<0.25	1.0	07/15/22 10:49	
trans-1,2-Dichloroethene	ug/L	<0.10	1.0	07/15/22 10:49	
trans-1,3-Dichloropropene	ug/L	<0.18	1.0	07/15/22 10:49	
Trichloroethene	ug/L	<0.21	1.0	07/15/22 10:49	
Trichlorofluoromethane	ug/L	<0.16	1.0	07/15/22 10:49	
Vinyl chloride	ug/L	<0.17	1.0	07/15/22 10:49	
Xylene (Total)	ug/L	<0.28	3.0	07/15/22 10:49	
1,2-Dichlorobenzene-d4 (S)	%	102	80-120	07/15/22 10:49	
4-Bromofluorobenzene (S)	%	105	80-120	07/15/22 10:49	
Toluene-d8 (S)	%	96	80-120	07/15/22 10:49	

LABORATORY CONTROL SAMPLE: 3175236

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	22.5	112	80-120	
1,1,1-Trichloroethane	ug/L	20	21.1	105	80-120	
1,1,2,2-Tetrachloroethane	ug/L	20	21.9	109	75-125	
1,1,2-Trichloroethane	ug/L	20	21.9	110	80-120	
1,1-Dichloroethane	ug/L	20	20.4	102	75-125	
1,1-Dichloroethene	ug/L	20	19.9	100	80-120	
1,1-Dichloropropene	ug/L	20	21.3	107	80-125	
1,2,3-Trichlorobenzene	ug/L	20	21.0	105	75-125	
1,2,3-Trichloropropane	ug/L	20	20.7	103	80-125	
1,2,4-Trichlorobenzene	ug/L	20	22.9	114	75-120	
1,2,4-Trimethylbenzene	ug/L	20	20.8	104	80-125	
1,2-Dibromo-3-chloropropane	ug/L	20	18.6	93	70-120	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 31ST & PROSPECT

Pace Project No.: 60405046

LABORATORY CONTROL SAMPLE: 3175236

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	22.7	113	80-120	
1,2-Dichlorobenzene	ug/L	20	21.5	107	80-120	
1,2-Dichloroethane	ug/L	20	22.1	111	75-120	
1,2-Dichloroethene (Total)	ug/L	40	40.7	102	80-120	
1,2-Dichloropropane	ug/L	20	22.0	110	80-125	
1,3,5-Trimethylbenzene	ug/L	20	21.2	106	80-125	
1,3-Dichlorobenzene	ug/L	20	21.5	107	80-120	
1,3-Dichloropropane	ug/L	20	21.6	108	80-120	
1,4-Dichlorobenzene	ug/L	20	21.0	105	80-120	
2,2-Dichloropropane	ug/L	20	20.1	100	60-130	
2-Butanone (MEK)	ug/L	100	97.9	98	40-150	
2-Chlorotoluene	ug/L	20	21.1	106	80-120	
2-Hexanone	ug/L	100	96.5	96	45-150	
4-Chlorotoluene	ug/L	20	21.5	107	80-120	
4-Methyl-2-pentanone (MIBK)	ug/L	100	101	101	65-140	
Acetone	ug/L	100	80.3	80	20-175	
Benzene	ug/L	20	21.5	107	80-120	
Bromobenzene	ug/L	20	21.6	108	80-120	
Bromochloromethane	ug/L	20	20.3	102	80-125	
Bromodichloromethane	ug/L	20	21.5	107	80-125	
Bromoform	ug/L	20	20.3	102	60-135	
Bromomethane	ug/L	20	20.9	104	10-165	
Carbon disulfide	ug/L	20	20.1	100	75-135	
Carbon tetrachloride	ug/L	20	20.6	103	80-125	
Chlorobenzene	ug/L	20	21.7	109	80-120	
Chloroethane	ug/L	20	17.8	89	70-130	
Chloroform	ug/L	20	20.6	103	80-120	
Chloromethane	ug/L	20	15.5	77	35-155	
cis-1,2-Dichloroethene	ug/L	20	20.3	102	80-120	
cis-1,3-Dichloropropene	ug/L	20	22.6	113	80-125	
Dibromochloromethane	ug/L	20	19.1	96	70-120	
Dibromomethane	ug/L	20	19.7	99	80-120	
Dichlorodifluoromethane	ug/L	20	14.9	74	50-150	
Ethylbenzene	ug/L	20	21.6	108	80-120	
Hexachloro-1,3-butadiene	ug/L	20	22.3	112	65-135	
Isopropylbenzene (Cumene)	ug/L	20	21.2	106	80-125	
Methyl-tert-butyl ether	ug/L	20	20.4	102	65-130	
Methylene Chloride	ug/L	20	18.1	91	75-120	
n-Butylbenzene	ug/L	20	20.2	101	80-125	
n-Propylbenzene	ug/L	20	21.9	109	80-120	
Naphthalene	ug/L	20	21.9	110	70-120	
p-Isopropyltoluene	ug/L	20	21.1	106	80-135	
sec-Butylbenzene	ug/L	20	21.6	108	80-120	
Styrene	ug/L	20	22.4	112	80-120	
tert-Butylbenzene	ug/L	20	22.1	110	80-120	
Tetrachloroethene	ug/L	20	21.4	107	80-120	
Toluene	ug/L	20	21.2	106	80-120	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 31ST & PROSPECT

Pace Project No.: 60405046

LABORATORY CONTROL SAMPLE: 3175236

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/L	20	20.4	102	80-120	
trans-1,3-Dichloropropene	ug/L	20	21.7	108	75-120	
Trichloroethene	ug/L	20	21.6	108	80-120	
Trichlorofluoromethane	ug/L	20	20.4	102	80-130	
Vinyl chloride	ug/L	20	18.2	91	65-130	
Xylene (Total)	ug/L	60	63.1	105	80-120	
1,2-Dichlorobenzene-d4 (S)	%			100	80-120	
4-Bromofluorobenzene (S)	%			99	80-120	
Toluene-d8 (S)	%			98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3175237 3175238

Parameter	Units	60404997003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	22.4	22.9	112	114	70-125	2	15	
1,1,1-Trichloroethane	ug/L	ND	20	20	22.2	22.8	111	114	75-130	3	15	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	21.9	22.2	109	111	65-130	1	15	
1,1,2-Trichloroethane	ug/L	ND	20	20	23.0	23.4	115	117	70-120	2	20	
1,1-Dichloroethane	ug/L	ND	20	20	20.4	21.3	102	106	61-130	4	15	
1,1-Dichloroethene	ug/L	ND	20	20	21.2	21.9	106	110	60-135	3	25	
1,1-Dichloropropene	ug/L	ND	20	20	23.2	23.2	116	116	55-145	0	20	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	19.9	23.3	99	117	55-120	16	25	
1,2,3-Trichloropropane	ug/L	ND	20	20	19.7	21.0	98	105	60-135	7	20	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	22.4	24.5	112	123	50-125	9	25	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	21.6	21.7	108	109	60-135	0	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	18.0	17.8	90	89	55-125	1	25	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	21.8	23.0	109	115	65-125	5	20	
1,2-Dichlorobenzene	ug/L	ND	20	20	22.1	22.1	110	110	65-120	0	20	
1,2-Dichloroethane	ug/L	0.53	20	20	22.0	22.3	107	109	30-160	1	25	
1,2-Dichloroethene (Total)	ug/L	ND	40	40	44.1	42.7	110	106	65-125	3	20	
1,2-Dichloropropane	ug/L	ND	20	20	22.7	23.0	111	112	65-130	1	20	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	21.9	21.6	110	108	60-135	1	20	
1,3-Dichlorobenzene	ug/L	ND	20	20	22.2	23.0	111	115	65-120	3	20	
1,3-Dichloropropane	ug/L	ND	20	20	22.0	21.7	110	108	70-120	2	20	
1,4-Dichlorobenzene	ug/L	ND	20	20	21.7	22.3	108	112	60-125	3	20	
2,2-Dichloropropane	ug/L	ND	20	20	19.4	19.7	97	99	40-130	1	30	
2-Butanone (MEK)	ug/L	ND	100	100	67.2	73.9	67	74	30-130	9	25	
2-Chlorotoluene	ug/L	ND	20	20	22.7	22.2	114	111	65-125	3	20	
2-Hexanone	ug/L	ND	100	100	72.5	76.6	73	77	40-135	6	20	
4-Chlorotoluene	ug/L	ND	20	20	22.0	22.0	110	110	65-125	0	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	100	97.2	99.6	97	100	60-135	2	20	
Acetone	ug/L	ND	100	100	37.4	46.7	37	47	10-150	22	25	
Benzene	ug/L	ND	20	20	22.2	22.4	111	112	20-155	1	25	
Bromobenzene	ug/L	ND	20	20	22.4	23.0	112	115	65-120	2	15	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 31ST & PROSPECT

Pace Project No.: 60405046

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3175237 3175238											
Parameter	Units	60404997003		MS	MSD	MS		MS	MSD	% Rec Limits	Max RPD
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec		
Bromochloromethane	ug/L	ND	20	20	20	20.1	20.4	100	102	65-125	1 20
Bromodichloromethane	ug/L	ND	20	20	20	21.2	21.9	106	110	70-130	3 15
Bromoform	ug/L	ND	20	20	20	19.6	20.5	98	102	50-125	4 20
Bromomethane	ug/L	ND	20	20	20	20.0	20.5	100	103	10-155	2 45
Carbon disulfide	ug/L	ND	20	20	20	20.8	21.6	104	108	55-140	4 25
Carbon tetrachloride	ug/L	22.4	20	20	20	45.2	45.8	114	117	70-140	1 20
Chlorobenzene	ug/L	ND	20	20	20	22.4	22.4	112	112	65-130	0 20
Chloroethane	ug/L	ND	20	20	20	18.5	19.9	92	99	20-180	7 20
Chloroform	ug/L	15.7	20	20	20	36.0	36.6	102	104	70-125	2 20
Chloromethane	ug/L	ND	20	20	20	16.6	19.3	82	96	20-160	15 30
cis-1,2-Dichloroethene	ug/L	ND	20	20	20	23.1	21.7	115	108	55-130	6 20
cis-1,3-Dichloropropene	ug/L	ND	20	20	20	21.6	22.4	108	112	60-125	4 20
Dibromochloromethane	ug/L	ND	20	20	20	19.1	19.4	96	97	65-120	1 20
Dibromomethane	ug/L	ND	20	20	20	19.0	20.0	95	100	65-125	5 20
Dichlorodifluoromethane	ug/L	ND	20	20	20	19.2	19.6	96	98	10-175	3 25
Ethylbenzene	ug/L	ND	20	20	20	22.2	22.5	111	112	20-160	1 25
Hexachloro-1,3-butadiene	ug/L	ND	20	20	20	22.9	23.7	111	115	40-130	3 30
Isopropylbenzene (Cumene)	ug/L	ND	20	20	20	23.3	23.7	116	118	65-140	2 20
Methyl-tert-butyl ether	ug/L	ND	20	20	20	19.5	20.8	97	104	25-160	7 30
Methylene Chloride	ug/L	ND	20	20	20	18.5	19.0	91	93	60-125	3 25
n-Butylbenzene	ug/L	ND	20	20	20	21.2	21.7	106	108	50-140	2 25
n-Propylbenzene	ug/L	ND	20	20	20	23.0	22.3	115	111	60-130	3 20
Naphthalene	ug/L	ND	20	20	20	20.8	26.1	104	131	30-150	23 25
p-Isopropyltoluene	ug/L	ND	20	20	20	22.0	21.8	110	109	50-150	1 20
sec-Butylbenzene	ug/L	ND	20	20	20	22.8	23.2	114	116	60-140	2 20
Styrene	ug/L	ND	20	20	20	22.0	22.4	110	112	40-145	2 30
tert-Butylbenzene	ug/L	ND	20	20	20	23.1	23.0	116	115	60-130	0 20
Tetrachloroethene	ug/L	6.4	20	20	20	28.5	29.3	111	115	55-135	3 25
Toluene	ug/L	ND	20	20	20	22.0	22.3	110	112	25-150	1 25
trans-1,2-Dichloroethene	ug/L	ND	20	20	20	21.0	21.0	105	105	60-130	0 20
trans-1,3-Dichloropropene	ug/L	ND	20	20	20	21.6	22.2	108	111	60-120	3 15
Trichloroethene	ug/L	1.1	20	20	20	23.7	23.9	113	114	50-145	1 20
Trichlorofluoromethane	ug/L	ND	20	20	20	22.4	23.4	111	115	50-155	4 20
Vinyl chloride	ug/L	ND	20	20	20	20.1	20.8	100	104	40-155	3 25
Xylene (Total)	ug/L	ND	60	60	60	67.1	66.7	112	111	15-160	1 30
1,2-Dichlorobenzene-d4 (S)	%							102	101	80-120	
4-Bromofluorobenzene (S)	%							100	99	80-120	
Toluene-d8 (S)	%							101	100	80-120	
Preservation pH		1.0				1.0	1.0				0

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## QUALITY CONTROL DATA

Project: 31ST & PROSPECT  
Pace Project No.: 60405046

QC Batch: 798026	Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260	Analysis Description: 8260 MSV Water 10 mL Purge
	Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60405046001

METHOD BLANK: 3178678 Matrix: Water

Associated Lab Samples: 60405046001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.084	1.0	07/18/22 10:33	
1,1,1-Trichloroethane	ug/L	<0.11	1.0	07/18/22 10:33	
1,1,2,2-Tetrachloroethane	ug/L	<0.15	1.0	07/18/22 10:33	
1,1,2-Trichloroethane	ug/L	<0.14	1.0	07/18/22 10:33	
1,1-Dichloroethane	ug/L	<0.12	1.0	07/18/22 10:33	
1,1-Dichloroethene	ug/L	<0.22	1.0	07/18/22 10:33	
1,1-Dichloropropene	ug/L	<0.14	1.0	07/18/22 10:33	
1,2,3-Trichlorobenzene	ug/L	<0.93	1.0	07/18/22 10:33	
1,2,3-Trichloropropane	ug/L	<0.41	2.5	07/18/22 10:33	
1,2,4-Trichlorobenzene	ug/L	<0.73	1.0	07/18/22 10:33	
1,2,4-Trimethylbenzene	ug/L	<0.32	1.0	07/18/22 10:33	
1,2-Dibromo-3-chloropropane	ug/L	<0.78	2.5	07/18/22 10:33	
1,2-Dibromoethane (EDB)	ug/L	<0.20	1.0	07/18/22 10:33	
1,2-Dichlorobenzene	ug/L	<0.12	1.0	07/18/22 10:33	
1,2-Dichloroethane	ug/L	<0.21	1.0	07/18/22 10:33	
1,2-Dichloroethene (Total)	ug/L	<0.22	1.0	07/18/22 10:33	
1,2-Dichloropropane	ug/L	<0.14	1.0	07/18/22 10:33	
1,3,5-Trimethylbenzene	ug/L	<0.090	1.0	07/18/22 10:33	
1,3-Dichlorobenzene	ug/L	<0.13	1.0	07/18/22 10:33	
1,3-Dichloropropane	ug/L	<0.10	1.0	07/18/22 10:33	
1,4-Dichlorobenzene	ug/L	<0.13	1.0	07/18/22 10:33	
2,2-Dichloropropane	ug/L	<0.16	1.0	07/18/22 10:33	
2-Butanone (MEK)	ug/L	<0.98	10.0	07/18/22 10:33	
2-Chlorotoluene	ug/L	<0.11	1.0	07/18/22 10:33	
2-Hexanone	ug/L	<1.1	10.0	07/18/22 10:33	
4-Chlorotoluene	ug/L	<0.15	1.0	07/18/22 10:33	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.74	10.0	07/18/22 10:33	
Acetone	ug/L	<2.5	10.0	07/18/22 10:33	
Benzene	ug/L	<0.14	1.0	07/18/22 10:33	
Bromobenzene	ug/L	<0.088	1.0	07/18/22 10:33	
Bromochloromethane	ug/L	<0.20	1.0	07/18/22 10:33	
Bromodichloromethane	ug/L	<0.16	1.0	07/18/22 10:33	
Bromoform	ug/L	<0.68	1.0	07/18/22 10:33	
Bromomethane	ug/L	<0.46	5.0	07/18/22 10:33	
Carbon disulfide	ug/L	<0.98	5.0	07/18/22 10:33	
Carbon tetrachloride	ug/L	<0.17	1.0	07/18/22 10:33	
Chlorobenzene	ug/L	<0.089	1.0	07/18/22 10:33	
Chloroethane	ug/L	<0.37	1.0	07/18/22 10:33	
Chloroform	ug/L	<0.22	1.0	07/18/22 10:33	
Chloromethane	ug/L	<0.28	1.0	07/18/22 10:33	

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## QUALITY CONTROL DATA

Project: 31ST & PROSPECT

Pace Project No.: 60405046

METHOD BLANK: 3178678

Matrix: Water

Associated Lab Samples: 60405046001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	<0.13	1.0	07/18/22 10:33	
cis-1,3-Dichloropropene	ug/L	<0.078	1.0	07/18/22 10:33	
Dibromochloromethane	ug/L	<0.30	1.0	07/18/22 10:33	
Dibromomethane	ug/L	<0.11	1.0	07/18/22 10:33	
Dichlorodifluoromethane	ug/L	<0.20	1.0	07/18/22 10:33	
Ethylbenzene	ug/L	<0.12	1.0	07/18/22 10:33	
Hexachloro-1,3-butadiene	ug/L	<0.42	1.0	07/18/22 10:33	
Isopropylbenzene (Cumene)	ug/L	<0.097	1.0	07/18/22 10:33	
Methyl-tert-butyl ether	ug/L	<0.13	1.0	07/18/22 10:33	
Methylene Chloride	ug/L	<0.39	1.0	07/18/22 10:33	
n-Butylbenzene	ug/L	<0.15	1.0	07/18/22 10:33	
n-Propylbenzene	ug/L	<0.12	1.0	07/18/22 10:33	
Naphthalene	ug/L	<0.82	10.0	07/18/22 10:33	
p-Isopropyltoluene	ug/L	<0.13	1.0	07/18/22 10:33	
sec-Butylbenzene	ug/L	<0.11	1.0	07/18/22 10:33	
Styrene	ug/L	<0.12	1.0	07/18/22 10:33	
tert-Butylbenzene	ug/L	<0.12	1.0	07/18/22 10:33	
Tetrachloroethene	ug/L	<0.33	1.0	07/18/22 10:33	
Toluene	ug/L	<0.25	1.0	07/18/22 10:33	
trans-1,2-Dichloroethene	ug/L	<0.10	1.0	07/18/22 10:33	
trans-1,3-Dichloropropene	ug/L	<0.18	1.0	07/18/22 10:33	
Trichloroethene	ug/L	<0.21	1.0	07/18/22 10:33	
Trichlorofluoromethane	ug/L	<0.16	1.0	07/18/22 10:33	
Vinyl chloride	ug/L	<0.17	1.0	07/18/22 10:33	
Xylene (Total)	ug/L	<0.28	3.0	07/18/22 10:33	
1,2-Dichlorobenzene-d4 (S)	%	102	80-120	07/18/22 10:33	
4-Bromofluorobenzene (S)	%	100	80-120	07/18/22 10:33	
Toluene-d8 (S)	%	100	80-120	07/18/22 10:33	

LABORATORY CONTROL SAMPLE: 3178679

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.4	107	80-120	
1,1,1-Trichloroethane	ug/L	20	21.8	109	80-120	
1,1,2,2-Tetrachloroethane	ug/L	20	21.9	110	75-125	
1,1,2-Trichloroethane	ug/L	20	21.0	105	80-120	
1,1-Dichloroethane	ug/L	20	23.2	116	75-125	
1,1-Dichloroethene	ug/L	20	22.6	113	80-120	
1,1-Dichloropropene	ug/L	20	20.9	104	80-125	
1,2,3-Trichlorobenzene	ug/L	20	21.1	106	75-125	
1,2,3-Trichloropropane	ug/L	20	20.1	101	80-125	
1,2,4-Trichlorobenzene	ug/L	20	21.9	109	75-120	
1,2,4-Trimethylbenzene	ug/L	20	20.9	104	80-125	
1,2-Dibromo-3-chloropropane	ug/L	20	20.7	103	70-120	

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

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 31ST & PROSPECT

Pace Project No.: 60405046

LABORATORY CONTROL SAMPLE: 3178679

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	20.6	103	80-120	
1,2-Dichlorobenzene	ug/L	20	21.0	105	80-120	
1,2-Dichloroethane	ug/L	20	21.5	107	75-120	
1,2-Dichloroethene (Total)	ug/L	40	43.2	108	80-120	
1,2-Dichloropropane	ug/L	20	20.5	103	80-125	
1,3,5-Trimethylbenzene	ug/L	20	20.5	102	80-125	
1,3-Dichlorobenzene	ug/L	20	21.4	107	80-120	
1,3-Dichloropropane	ug/L	20	20.7	103	80-120	
1,4-Dichlorobenzene	ug/L	20	20.8	104	80-120	
2,2-Dichloropropane	ug/L	20	21.8	109	60-130	
2-Butanone (MEK)	ug/L	100	115	115	40-150	
2-Chlorotoluene	ug/L	20	20.7	103	80-120	
2-Hexanone	ug/L	100	115	115	45-150	
4-Chlorotoluene	ug/L	20	21.7	108	80-120	
4-Methyl-2-pentanone (MIBK)	ug/L	100	103	103	65-140	
Acetone	ug/L	100	137	137	20-175	
Benzene	ug/L	20	21.5	108	80-120	
Bromobenzene	ug/L	20	20.9	105	80-120	
Bromochloromethane	ug/L	20	19.8	99	80-125	
Bromodichloromethane	ug/L	20	21.9	110	80-125	
Bromoform	ug/L	20	20.6	103	60-135	
Bromomethane	ug/L	20	20.6	103	10-165	
Carbon disulfide	ug/L	20	23.5	117	75-135	
Carbon tetrachloride	ug/L	20	22.7	113	80-125	
Chlorobenzene	ug/L	20	21.3	107	80-120	
Chloroethane	ug/L	20	19.4	97	70-130	
Chloroform	ug/L	20	21.7	109	80-120	
Chloromethane	ug/L	20	17.9	90	35-155	
cis-1,2-Dichloroethene	ug/L	20	20.9	105	80-120	
cis-1,3-Dichloropropene	ug/L	20	21.8	109	80-125	
Dibromochloromethane	ug/L	20	22.1	110	70-120	
Dibromomethane	ug/L	20	20.7	104	80-120	
Dichlorodifluoromethane	ug/L	20	20.1	101	50-150	
Ethylbenzene	ug/L	20	21.1	106	80-120	
Hexachloro-1,3-butadiene	ug/L	20	19.1	96	65-135	
Isopropylbenzene (Cumene)	ug/L	20	21.0	105	80-125	
Methyl-tert-butyl ether	ug/L	20	22.1	111	65-130	
Methylene Chloride	ug/L	20	20.1	100	75-120	
n-Butylbenzene	ug/L	20	20.6	103	80-125	
n-Propylbenzene	ug/L	20	21.7	108	80-120	
Naphthalene	ug/L	20	21.9	110	70-120	
p-Isopropyltoluene	ug/L	20	21.2	106	80-135	
sec-Butylbenzene	ug/L	20	21.0	105	80-120	
Styrene	ug/L	20	21.9	110	80-120	
tert-Butylbenzene	ug/L	20	20.6	103	80-120	
Tetrachloroethene	ug/L	20	21.3	106	80-120	
Toluene	ug/L	20	20.9	105	80-120	

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

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 31ST & PROSPECT

Pace Project No.: 60405046

LABORATORY CONTROL SAMPLE: 3178679

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/L	20	22.2	111	80-120	
trans-1,3-Dichloropropene	ug/L	20	21.8	109	75-120	
Trichloroethene	ug/L	20	19.9	100	80-120	
Trichlorofluoromethane	ug/L	20	21.7	108	80-130	
Vinyl chloride	ug/L	20	21.6	108	65-130	
Xylene (Total)	ug/L	60	61.5	103	80-120	
1,2-Dichlorobenzene-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			99	80-120	
Toluene-d8 (S)	%			100	80-120	

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

## REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: 31ST & PROSPECT

Pace Project No.: 60405046

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 31ST & PROSPECT

Pace Project No.: 60405046

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60405046001	MW-1	EPA 5030B/8260	798026		
60405046002	MW-2	EPA 5030B/8260	797052		
60405046003	MW-2-FD	EPA 5030B/8260	797052		
60405046004	RB	EPA 5030B/8260	797052		
60405046005	FB	EPA 5030B/8260	797052		
60405046006	TRIP BLANK	EPA 5030B/8260	797052		
60405046007	MW-3	EPA 5030B/8260	797052		

## REPORT OF LABORATORY ANALYSIS

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WO#: 60405046



60405046



DC#\_Title: ENV-FRM-LENE-0009\_Sample Conc

Revision: 2

Effective Date: 01/12/2022

Issued By: Lenexa

Client Name: Tetra Tech EMI

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐

Tracking #: \_\_\_\_\_ Pace Shipping Label Used? Yes ☒ No ☒ LS 718

Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Other ☐

Thermometer Used: T301 Type of Ice: Wet Blue ☐ None ☐

Cooler Temperature (°C): As-read 4.6 Corr. Factor -1.0 Corrected 3.6

Date and initials of person examining contents: LS 7/18/22

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Sample labels match COC: Date / time / ID / analyses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples contain multiple phases? Matrix: <u>WT</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers requiring pH preservation in compliance? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Potassium iodide test strip turns blue/purple? (Preserve)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Samples from USDA Regulated Area: State:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_ Date: \_\_\_\_\_

Pace

# CHAIN-OF-CUSTODY / Analytical Request Document

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

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>.

Section A

Required Client Information:

Company: TETRA TECH EMI  
Address: 415 Oak  
Kansas City, MO 64106  
Email: katiyn.mitchell@tetratech.com  
Phone: (816)412-1742  
Requested Due Date: STD JAX

Section B

Required Project Information:

Report To: Katiyn Mitchell  
Copy To:  
Purchase Order #:  
Project Name: 31st & Prospect  
Project #: 103665210190.08.03

Section C

Invoice Information:

Attention: Katiyn Mitchell  
Company Name: Tetra Tech EMI  
Address: 415 Oak Street Kansas City, MO  
Pace Quote:  
Pace Project Manager: jeff.shopper@pacelabs.com  
Pace Profile #: 970

Section D

Regulatory Agency

State / Location

MO

Page: 1 Of 1

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample ids must be unique	MATRIX Drinking Water Water Waste Water Product Solid/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL CL WP AR OT TS	COLLECTED				MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE		TIME	RELINQUISHED BY / AFFILIATION		DATE	TIME	ACQUIRED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS		
				START	END	DATE	TIME			DATE	TIME		DATE	TIME									
1	MW-1							wt6	7/18/22	1000													
2	MW-2										0915												
3	MW-2-FD										0915												
4	RB										1010												
5	FB										020												
6	Trip Blank										1110												
7	MW-3										0845												
8																							
9																							
10																							
11																							
12																							
ADDITIONAL COMMENTS												DATE		TIME		ACQUIRED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	
												7/18/22		1200		J. P. [Signature]		7/18		1200 3.6		X X	

Client: Tetra Tech EMI

Profile # 970

Site: 31st & Prospect

Notes

COC Line Item	Matrix	WG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3C	BP3Z	WPDU	ZPLC	Other
1	WT	3																												
2																														
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

Container Codes

Glass		Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1C	1L NaOH plastic
DG9H	40mL HCl amber vial	WGKU	4oz clear soil jar	BP1N	1L HNO3 plastic
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass	BP1Z	1L NaOH, Zn Acetate
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2C	500mL NaOH plastic
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3C	250mL NaOH plastic
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate
				BP4U	125mL unpreserved plastic
				BP4N	125mL HNO3 plastic
				BP4S	125mL H2SO4 plastic
				WPDU	16oz unpreserved plastic

Work Order Number:

60405046



WO#: 60405046



60405046



DC#\_Title: ENV-FRM-LENE-0009\_Sample Conc

Revision: 2

Effective Date: 01/12/2022

Issued By: Lenexa

Client Name: Tetra Tech EMI

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐

Tracking #: \_\_\_\_\_ Pace Shipping Label Used? Yes ☒ No ☒ LS 718

Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Other ☐

Thermometer Used: T301 Type of Ice: Wet Blue ☐ None ☐

Cooler Temperature (°C): As-read 4.6 Corr. Factor -1.0 Corrected 3.6

Date and initials of person examining contents: LS 7/18/22

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Sample labels match COC: Date / time / ID / analyses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples contain multiple phases? Matrix: <u>WT</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers requiring pH preservation in compliance? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Potassium iodide test strip turns blue/purple? (Preserve)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Samples from USDA Regulated Area: State:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_ Date: \_\_\_\_\_

Pace

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>. All relevant news must be completed accurately.

## Section C


**Required Project Information:**

**Invoice Information:**

Report To:	Kaitlyn Mitchell	Attention:	Kaitlyn Mitchell
Copy To:		Company Name:	Tetra Tech SMP
Address:	415 Oak	Address:	415 Oak Street Kansas City, MO
Company:	TETRA TECH EMI	Pace Quote:	
Address:	415 Oak	Pace Project Manager:	jeff.shopper@pacelabs.com
Kansas City, MO 64106		Pace Profile #:	970
Email:	kaitlyn.mitchell@tetratech.com		
Phone:	(816)412-1742		
Requested Due Date:	STD	Regulatory Agency	
	103665210190.08.03	State / Location	MO

Page: 1 of 1

[illegible]

SAMPLER NAME AND SIGNATURE  PRINT Name of SAMPLER: Zach Usher  SIGNATURE of SAMPLER: 	DATE Signed: 7/18/22	TEMP in C           Received on (Y/N) Custody (Y/N) Sealed (Y/N) Cooler (Y/N) Samples intact (Y/N)

Client: Tetra Tech EMI

Profile # 970

Site: 31st & Prospect

Notes

COC Line Item	Matrix	WG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3C	BP3Z	WPDU	ZPLC	Other
1	WT	3																												
2																														
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

Container Codes

Glass		Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1C	1L NaOH plastic
DG9H	40mL HCl amber vial	WGKU	4oz clear soil jar	BP1N	1L HNO3 plastic
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass	BP1Z	1L NaOH, Zn Acetate
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2C	500mL NaOH plastic
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3C	250mL NaOH plastic
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate
				BP4U	125mL unpreserved plastic
				BP4N	125mL HNO3 plastic
				BP4S	125mL H2SO4 plastic
				WPDU	16oz unpreserved plastic

Work Order Number:

60405040

## DATA VERIFICATION REPORT

**Prepared by:** David Reed  
**Date:** August 18, 2022  
**Site Name/Task Order:** 31st & Prospect Site / 103G65210190  
**Laboratory:** Pace Analytical Services – Lenexa, Kansas

**Data Package or SDG Number:** 60406092

**Sample Designations/Names:**

SG-1-(4.5-5)	SG-2-(23.5-24)	SG-4-(7.5-8)	SG-5-(4.5-5)	SG-6-(4.5-5)	SG-7-(2-2.5)	SG-8-(4.5-5)
SG-1-(15.5-16)	SG-3-(4.5-5)	SG-4-(11.5-12)	SG-5-(16.6-17)	SG-6-(22.5-23)	SG-7-(16-16.5)	SG-8-(19.5-20)
SG-2-(4.5-5)	SG-3-(21.5-22)					

**Matrices:** Air  
**Analytical Parameters:** Volatile Organic Compounds (VOCs) by EPA Compendium Method TO-15

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain-of-custody	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Data package completeness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sample preservation, storage, and holding times	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Method and field blank contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ethanol and 1,2,4-trichlorobenzene were detected in method blank 4404479 at concentrations between the method detection limit (MDL) and the reporting limit (RL). The 1,2,4-trichlorobenzene result for sample SG-6-(22.5-23) was less than the RL; therefore, this result would be raised to the RL and qualified as nondetect (flagged U).
Surrogate spikes	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Matrix spikes/matrix spike duplicates (MS/MSD)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Other (laboratory duplicates)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Laboratory duplicates performed on samples from other data packages were not evaluated.

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Other (calibration range exceedances / analyte carry-over)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>Propylene for samples SG-1-(15.5-16) and SG-2-(23.5-24) and cyclohexane, n-heptane, n-hexane, and propylene for sample SG-8-(19.5-20) were reported at concentrations that exceeded the instrument calibration range and flagged "E" by the lab as an estimated value; therefore, the associated results would be qualified as estimated (flagged J).</p> <p>The results for benzene, cyclohexane, cis-1,2-dichloroethene, and n-hexane in sample SG-2-(4.5-5) and for cis-1,2-dichloroethene in sample SG-2-(23.5-24) were qualified by the laboratory as possibly biased high due to analyte carry-over from the previous sample in the analytical batch; therefore, the associated results would be qualified as estimated, possibly biased high (flagged J+).</p>
<b>Summary</b> Data is usable with the qualifications discussed in the Method and field blank contamination and Other (calibration range exceedances / analyte carry-over) sections. Results reported between the MDL and the RL were qualified as estimated (flagged J) by the laboratory.				

## DATA VERIFICATION REPORT

**Prepared by:** David Reed  
**Date:** August 18, 2022  
**Site Name/Task Order:** 31st & Prospect Site / 103G65210190  
**Laboratory:** Pace Analytical Services – Lenexa, Kansas

**Data Package or SDG Number:** 60405046

**Sample Designations/Names:**

MW-1                      MW-2                      MW-2-FD                      MW-3                      FB                      RB                      TRIP BLANK

**Matrices:** Groundwater  
**Analytical Parameters:** Volatile Organic Compounds (VOCs) by EPA Method 5030B/8260

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain-of-custody	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Data package completeness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sample preservation, storage, and holding times	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Method and field blank contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Methylene chloride was detected in the Trip Blank at a concentration above the method detection limit (MDL), but below the reporting limit (RL); therefore, the positive result for sample MW-3 was raised to the RL and qualified as nondetect (flagged U).  1,4-Dichlorobenzene was detected in the method blank (3175235) at a concentration above the MDL, but below the RL; however, the analyte was not detected in any associated sample.
Surrogate spikes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix spikes/matrix spike duplicates (MS/MSD)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Matrix spikes were not performed on sample from this data package.
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Other (field duplicates)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Summary</b> Data is usable with the qualification applied for the trip blank detection. Results reported between the MDL and the RL were qualified as estimated (flagged J) by the laboratory.				



**APPENDIX D**  
**HISTORICAL ANALYTICAL RESULTS**

QUARTER 1, JANUARY 2022

DETECTED VOC RESULTS FROM SOIL SAMPLES  
 31<sup>st</sup> & PROSPECT DEVELOPMENT SITE

Sample Location	Acetone	Benzene	2-Butanone (Methyl Ethyl Ketone)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chloroform	cis-1,2-DCE	1,2-Dichloropropane	Ethylbenzene	Hexachloro-1,3- Butadiene
	MRBCA LDTL (All Soil Types, All Pathways, GWP and INH*)										
	4,200	561	7,300	41,600	35,200	34,1000	76.6*	521	42	39,900	NE
	MRBCA RBTL (Tier 1, Residential Land Use, Surface Soil, Outdoor Inhalation, Clayey)										
	487,000,000	3,500,000	772,000,000	21,600,000	21,600,000	21,600,000	783,000	5,410,000	618,000	157,000,000	NE
SB-1-(7-8)	<17.6	1.3 J	<3.7	<0.71	<0.79	<0.96	<0.54	<0.47	<1.1	<5.0	<0.92
SB-1-(7-8)-FD	<18.2	2.1 J	<3.8	<0.73	<0.82	<0.99	<0.55	<0.48	<1.1	<0.52	<0.96
SB-1-(21-22)	<18.5	0.57 J	<3.9	<0.74	<0.84	<1.0	<0.56	<0.49	<1.1	<0.53	<0.97
SB-2-(19-20)	<16.8	<0.51	<3.5	<0.67	<0.76	<0.91	<0.51	0.55 J	<1.0	<0.48	<0.88
SB-2-(24-25)	<15.7	0.86 J	<3.3	<0.63	<0.71	<0.85	<0.48	<0.42	<0.95	<0.45	<0.82
SB-3-(4-5)	<17.6	<0.54	<3.7	<0.71	<0.79	<0.96	<0.54	<0.47	<1.1	<0.50	<0.93
SB-3-(21-22)	<17.2	2.0 J	<3.6	18.4	12.6	1.2 J	5.4	1.3 J	<1.0	0.50 J	<0.90
SB-4-(11.5-12.5)	<16.2	<0.49	<3.4	<0.65	<0.73	<0.89	<0.49	113	<0.98	<0.46	<0.85
SB-4-(23-24)	<15.4	<0.47	<3.2	<0.62	<0.70	<0.84	<0.47	0.59 J	<0.93 J-	<0.44	<0.81
SB-5-(4-5)	56.5	0.59 J	7.1 J	<0.70	<0.79	<0.95	<0.53	<0.47	<1.1	<0.50	<0.92
SB-5-(19-20)	<21.6	<0.66	<4.6	<0.87	<0.98	<1.2	<0.66	<0.58	<1.3	<0.62	<1.1
SB-6-(19-20)	<16.2	<0.49	<3.4	<0.65	<0.73	<0.88	<0.49	<0.43	<0.98	<0.46	<0.85
SB-6-(22.5-23.5)	<15.8	<0.48	<3.3	<0.64	<0.72	<0.86	<0.48	<0.42	<0.96	<0.45	<0.83
SB-7-(13.5-14.5)	<17.0	0.55 J	<3.6	<0.77	<0.93	<0.67	<0.52	14.2	<1.0	<0.48	<0.89
SB-7-(19-20)	318 J	<23.2	<126	<50.4	47.3 J	<35.1	<22.2	62.0 J	<20.6	<28.8	85.7 J
SB-8-(19-20)	<1,400	66,300	<737	5,820	1,730	<205	383 J	<151	1,430 J	14,400	<411
SB-8-(23-24)	<251	17,300	521 J	<52.6	<43.9	<36.7	<23.2	<26.9	<21.5	144 J	<73.4
Sample Location	2-Hexanone	Isopropylbenzene (Cumene)	p-Isopropyltoluene	Naphthalene	n-Propylbenzene	PCE	Toluene	TCE	1,2,4-TMB	1,3,5-TMB	Xylene
	MRBCA LDTL (All Soil Types, All Pathways, GWP and INH*)										
	NE	10,500*	NE	325	10,300	141	29,100	141	3,930	882	24,700*
	MRBCA RBTL (Tier 1, Residential Land Use, Surface Soil, Outdoor Inhalation, Clayey)										
	NE	61,800,000	NE	465,000	21,600,000	3,000,000	757,000,000	9,010,000	927,000	223,000,000,000	15,700,000
SB-1-(7-8)	<2.7	<6.2	<7.5	8.3 J	<0.87	<0.45	<0.38	<0.79	<0.73	<0.68	<1.2
SB-1-(7-8)-FD	<2.8	<0.64	<0.77	<0.92	<0.90	<0.46	<0.40	<0.81	<0.75	<0.70	<1.3
SB-1-(21-22)	<2.8	<0.65	<0.79	<0.94	<0.92	0.95 J	0.64 J	<0.83	<0.77	<0.72	<1.3
SB-2-(19-20)	<2.6	<0.59	<0.71	<0.85	<0.83	626	<0.36	4.6 J	<0.83	<0.65	<1.2
SB-2-(24-25)	<2.4	<0.55	<0.67	<0.79	<0.78	1,140	0.59 J	2.5 J	<0.65	<0.61	<1.1
SB-3-(4-5)	<2.7	<0.62	<0.75	<0389	<0.87	<0.45	<0.38	<0.79	<0.73	<0.68	<1.2
SB-3-(21-22)	84.7	32	<0.73	5.7 J	14.4	1.3 J	0.59 J	<0.77	<0.71	1.0 J	<1.2
SB-4-(11.5-12.5)	<2.5	<0.57	<0.69	<0.82	<0.81	10,100	<0.35	3,640	<0.67	<0.63	<1.1
SB-4-(23-24)	<2.4	<0.54	<0.66	<0.78	<0.76	3.7 J	0.61 J	2.8 J	<0.76	<0.60	<1.1
SB-5-(4-5)	<2.7	<0.62	<0.74	<0.89	<0.87	7.3	0.74 J	<0.78	<0.72	<0.68	<1.2
SB-5-(19-20)	<3.3	<0.76	<0.92	<1.1	<1.1	8.4	<0.47	<0.97	<0.89	<0.84	<1.5
SB-6-(19-20)	<2.5	<0.57	<0.69	<0.82	<0.80	<0.41	<0.35	<0.72	<0.67	<0.63	<1.1
SB-6-(22.5-23.5)	<2.4	<0.56	<0.67	<0.80	<0.79	<0.40	<0.34	<0.71	<0.66	<0.61	<1.1
SB-7-(13.5-14.5)	<2.6	<0.60	<0.72	<0.86	<0.84	2,470	<0.37	961	<0.70	<0.66	<1.2
SB-7-(19-20)	<107	39.0 J	<41.5	299 J	<40.3	371 J+	<25.4	149 J	40.3 J	<39.4	<90.7

QUARTER 1, JANUARY 2022

DETECTED VOC RESULTS FROM SOIL SAMPLES  
31<sup>st</sup> & PROSPECT DEVELOPMENT SITE

Sample Location	Acetone	Benzene	2-Butanone (Methyl Ethyl Ketone)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chloroform	cis-1,2-DCE	1,2-Dichloropropane	Ethylbenzene	Hexachloro-1,3- Butadiene
	MRBCA LDTL (All Soil Types, All Pathways, GWP and INH*)										
	4,200	561	7,300	41,600	35,200	34,1000	76.6*	521	42	39,900	NE
	MRBCA RBTL (Tier 1, Residential Land Use, Surface Soil, Outdoor Inhalation, Clayey)										
	487,000,000	3,500,000	772,000,000	21,600,000	21,600,000	21,600,000	783,000	5,410,000	618,000	157,000,000	NE
SB-8-(19-20)	<628	4,030	4,210	14,000	6,200	<145	50,400	214 J	42,600	13,700	103,000
SB-8-(23-24)	<112	<40.3	<43.4	387 J	<42.1	<25.0	211 J	<25.3	277 J	94.1 J	800

Notes:

All values are in micrograms per kilogram.

**Bold** font indicates the concentration exceeds the reporting limit.  
*Italic* font indicates the concentration exceeds the LDTL.

\*The LDTL is based on the indoor inhalation pathway.

DCE	Dichloroethene
GWP	Protection of domestic groundwater use pathway
INH	Indoor inhalation pathway
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
J+	Estimated concentration with a possible high bias
J-	Estimated concentration with a possible low bias
LDTL	Lowest Default Target Level
MRBCA	Missouri Risk-based Corrective Action
NE	Not established
PCE	Tetrachloroethene
RBTL	Risk-based Target Level
SB	Soil boring
TCE	Trichloroethene
TMB	Trimethylbenzene
VOC	Volatile organic compound

QUARTER 1, JANUARY 2022

DETECTED VOC RESULTS FROM SOIL-GAS SAMPLES  
31<sup>st</sup> & PROSPECT DEVELOPMENT SITE

Sample Location	1,1-DCE	1,2,4-TMB	1,2-DCA	1,3,5-TMB	1,3-Butadiene	2-Butanone (Methyl Ethyl Ketone)	2-Propanol	4-Ethyltoluene	4-Methyl-2-pentanone	Acetone
	MRBCA RBTL (Tier 1, Residential Land Use, Soil Vapor, Indoor Inhalation, Clayey)									
	14,500,000	521,000	NE	521,000	NE	352,000,000	NE	NE	NE	14,300,000
SG-1-(7-7.5)	<1.98	6.69	<0.809	<2.46	0.819	4.07	<2.46	<2.46	4.87	34
SG-2-(4.5-5)	<79.3	<98.3	<32.4	<98.3	<17.7	<118	<98.3	<98.3	<164	<95
SG-3-(4.5-5)	<1.98	4.72	<0.809	<2.46	1.59	13.8	<2.46	<2.46	<2.46	98.6
SG-4-(7.5-8)	<79.3	<98.3	<32.4	<98.3	<17.7	<118	<98.3	<98.3	<164	<95
SG-4-(22.5-23)	<79.3	<98.3	<32.4	<98.3	<17.7	<118	<98.3	<98.3	<164	132
SG-5-(4.5-5)	<1.98	<2.46	<0.809	<2.46	1.13	<2.95	<2.46	<2.46	<2.46	32.8
SG-5-(16.5-17)	<1.98	<2.46	<0.809	<2.46	11.4	24.6	<2.46	<2.46	<4.10	102
SG-6-(4.5-5)	<1.98	<2.46	<0.809	<2.46	0.553	28.3	2.53	<2.46	<4.10	76
SG-7-(4.5-5)	<1.98	5.01	<0.809	<2.46	1.77	5.31	<2.46	<2.46	<4.10	56.6
SG-7-(16.5-17)	80.9	<98.3	<32.4	<98.3	<17.7	<118	<98.3	<98.3	<164	<95
SG-8-(4.5-5)	<1.98	6.64	15.8	2.61	1.04	6.02	12.8	2.65	<4.10	51.5
Sample Location	Benzene	Benzyl Chloride	Carbon Disulfide	Chloromethane	cis-1,2-DCE	Isopropylbenzene (Cumene)	Cyclohexane	Ethylbenzene	Heptane	Hexane
	MRBCA RBTL (Tier 1, Residential Land Use, Soil Vapor, Indoor Inhalation, Clayey)									
	1,430	NE	21,400	722	7,010	34,800,000	NE	646,000	NE	NE
SG-1-(7-7.5)	4.4	<5.18	2.83	<1.03	<1.98	<2.46	3.30	9.25	8.93	5.32
SG-2-(4.5-5)	<63.9	<207	<62.3	<41.3	<79.3	<98.3	<68.8	<86.8	<82	<70.5
SG-3-(4.5-5)	3.10	<5.18	20.9	<1.03	<1.98	<2.46	42.5	5.56	39.6	65.6
SG-4-(7.5-8)	<63.9	<207	<62.3	<41.3	1,210	<98.3	<68.8	<86.8	<82	<70.5
SG-4-(22.5-23)	<63.9	<207	<62.3	<41.3	2,740	<98.3	<68.8	<86.8	<82	<70.5
SG-5-(4.5-5)	2.91	<5.18	<1.56	<1.03	<1.98	<2.46	<1.72	<2.17	3.65	1.90
SG-5-(16.5-17)	12.7	<5.18	7.32	2.73	5.79	<2.46	3.41	3.39	11.4	12.3
SG-6-(4.5-5)	3.96	<5.18	<1.56	<1.03	<1.98	<2.46	<1.72	3.60	5.82	2.57
SG-7-(4.5-5)	4.82	<5.18	4.05	<1.03	3.81	<2.46	19.7	7.47	21.4	18.5
SG-7-(16.5-17)	731	358	<62.3	<41.3	3,790	108	72,100	109	86,300	226,000
SG-8-(4.5-5)	2,610	<5.18	3.64	<1.03	7.45	<2.46	30.3	15.5	333	202
Sample Location	m,p-Xylene	o-Xylene	Propene	Styrene	PCE	Tetrahydrofuran	Toluene	TCE	Vinyl Chloride	
	MRBCA RBTL (Tier 1, Residential Land Use, Soil Vapor, Indoor Inhalation, Clayey)									
	9,450,000	9,450,000	NE	91,700,000	648,000	1,430,000	367,000,000	1,770,000	300,000	
SG-1-(7-7.5)	26.6	9.99	11.2	3.54	8	<1.47	439	<1.07	<1.28	
SG-2-(4.5-5)	<86.8	<86.8	<34.4	<85.2	86,800	<59	<75.4	843	<51.1	
SG-3-(4.5-5)	19.3	6.51	29.7	<2.13	10.4	<1.47	410	1.77	<1.28	
SG-4-(7.5-8)	<86.8	<86.8	<34.4	<85.2	84,600	<59	297	31,300	<51.1	
SG-4-(22.5-23)	<86.8	<86.8	<34.4	<85.2	61,200	<59	1,040	50,400	<51.1	
SG-5-(4.5-5)	6.51	<2.17	18.8	<2.13	17.5	<1.47	180	<1.07	<1.28	
SG-5-(16.5-17)	10.7	3.13	291	<2.13	37.7	4.01	441	7.36	<1.28	
SG-6-(4.5-5)	11.5	3.52	26.1	<2.13	17.8	2.57	395	1.40	<1.28	
SG-7-(4.5-5)	24.3	8.12	15.9	<2.13	96.9	<1.47	550	52.3	<1.28	
SG-7-(16.5-17)	<86.8	<86.8	467	<85.2	13,600	166	983	19,900	317	
SG-8-(4.5-5)	52.5	15	13.4	<2.13	10.2	<1.47	708	11.6	<1.28	

QUARTER 1, JANUARY 2022

DETECTED VOC RESULTS FROM SOIL-GAS SAMPLES  
31<sup>st</sup> & PROSPECT DEVELOPMENT SITE

Notes:

All values are in micrograms per cubic millimeter.

**Bold** font indicates the concentration exceeds the reporting limit.  
*Italic* font indicates the concentration exceeds the RBTL.

DCE	Dichloroethene
DCA	Dichloroethane
MRBCA	Missouri Risk-based Corrective Action
NE	Not established
PCE	Tetrachloroethene
RBTL	Risk-based Target Level
SG	Soil-gas
TCE	Trichloroethene
TMB	Trimethylbenzene
VOC	Volatile organic compound

QUARTER 1, JANUARY 2022

DETECTED VOC RESULTS FROM GROUNDWATER SAMPLES  
31<sup>st</sup> & PROSPECT DEVELOPMENT SITE

Sample Location	Acetone	Benzene	2-Butanone (Methyl Ethyl Ketone)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chloroform	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE
	EPA MCL									
	NE	5	NE	NE	NE	NE	NE	7	70	100
	MRBCA LDTL (All Soil Types, All Pathways, DWG)									
	2,970	5	3,640	98.9	106	103	80	07	70	100
	MRBCA RBTL (Tier 1, Residential Land Use, Groundwater, Indoor Inhalation of Vapor Encroachment, Clayey)									
	101,000,000	2,880	153,000,000	24,300	17,100	26,200	814	14,700	19,400	17,800
MW-1	<2.5	<0.14	<0.98	<0.15	<0.11	<0.12	<0.22	<0.22	4.5	0.28 J
MW-1-FD	<2.5	<0.14	<0.98	<0.15	<0.11	<0.12	<0.22	<0.22	4.4	<0.18
MW-2	<2.5	0.38 J	<0.98	<0.15	<0.11	<0.12	0.36 J	0.37 J	19.8	0.83 J
MW-3	19.1 J+	2.4	<0.98	1.3	1.5	0.25 J	0.76 J	<0.22	20.6	0.49 J
Sample Location	1,2-Dichloropropane	Isopropylbenzene (Cumene)	n-Propylbenzene	PCE	Toluene	1,1,2-TCA	TCE	1,3,5-TMB	Vinyl Chloride	Xylene
	EPA MCL									
	5	NE	NE	5	1000	NE	5	NE	2	10,000
	MRBCA LDTL (All Soil Types, All Pathways, DWG)									
	5	330	115	5	1,000	5	5	7.05	2	10,000
	MRBCA RBTL (Tier 1, Residential Land Use, Groundwater, Indoor Inhalation of Vapor Encroachment, Clayey)									
	3,040	10,600	30,300	928	1,440,000	6,150	4,490	1,550	2.06	33,500
MW-1	<0.14	<0.097	<0.12	143	<0.25	<0.14	57	<0.090	<0.17	<0.28
MW-1-FD	<0.14	<0.097	<0.12	159	<0.25	<0.14	55.6	<0.090	<0.17	<0.28
MW-2	0.55 J	<0.097	<0.12	3,290	1.2	0.50 J	106	<0.090	0.41 J	0.38 J
MW-3	<0.14	5.7	1.8	166	0.87 J	0.45 J	47.9	0.12 J	0.85 J	0.43 J

Notes:

All values are in micrograms per liter.  
**Bold** font indicates the concentration exceeds the reporting limit.  
*Italic* font indicates the concentration exceeds the MCL and LDTL.  
**Red** text indicates the concentration exceeds the RBTL.

EPA	U.S. Environmental Protection Agency
DCE	Dichloroethene
DWG	Protection for domestic groundwater use pathway
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
J+	Estimated concentration with a possible high bias
LDTL	Lowest Default Target Level
MCL	Maximum Contaminant Level
MRBCA	Missouri Risk-based Corrective Action
MW	Monitoring well
NE	Not established
PCE	Tetrachloroethene
RBTL	Risk-based Target Level
TCE	Trichloroethene
TCA	Trichloroethane
TMB	Trimethylbenzene
VOC	Volatile organic compound

QUARTER 2, APRIL 2022

DETECTED VOC RESULTS FROM GROUNDWATER SAMPLES, QUARTER 2  
31<sup>st</sup> & PROSPECT DEVELOPMENT SITE

Sample Location	Acetone	Benzene	Chloroform	<i>cis</i> -1,2-DCE	<i>trans</i> -1,2-DCE	1,2-Dichloropropane	Isopropylbenzene (Cumene)
	EPA MCL						
	NE	5	NE	70	100	5	NE
	MRBCA LDTL (All Soil Types, All Pathways, DWG)						
	2,970	5	80	70	100	5	330
	MRBCA RBTL (Tier 1, Residential Land Use, Groundwater, Indoor Inhalation of Vapor Encroachment, Clayey)						
	101,000,000	2,880	814	19,400	17,800	3,040	10,600
MW-1	<12.7	<0.68	<1.1	2.4 J	<5.1	<0.70	<0.48
MW-2	148 J	<6.8	<11.0	34.0 J	<5.1	<7.0	<4.8
MW-3	<12.7	2.5 J	<1.1	63.8	0.69 J	<0.70	<0.48
MW-3-FD	<2.5	2.5	0.34 J	66.5	0.91 J	0.38 J	0.31 J
Sample Location	Methylene Chloride	4-Methyl-2-Pentanone (MIBK)	PCE	1,1,2-TCA	TCE	1,3,5-TMB	
	EPA MCL						
	NE	NE	5	NE	5	NE	
	MRBCA LDTL (All Soil Types, All Pathways, DWG)						
	0.005	NE	5	5	5	7.05	
	MRBCA RBTL (Tier 1, Residential Land Use, Groundwater, Indoor Inhalation of Vapor Encroachment, Clayey)						
	68.3	NE	928	19,400	928	19,400	
MW-1	10	4.2 J+	83.5	<0.71	22	<0.45	
MW-2	96.7	<36.8	7,760	1,060	349	<4.5	
MW-3	10.3 J	<3.7	539	18.1 J	138	<0.45	
MW-3-FD	>0.39 J	<0.74	505	0.17 J	151	0.42 J	

Notes:

All values are in micrograms per liter (µg/L).

**Bold** font indicates the concentration exceeds the reporting limit.  
*Italic* font indicates the concentration exceeds the MCL and/or LDTL.  
**Red** text indicates the concentration exceeds the RBTL.

EPA	U.S. Environmental Protection Agency
DCE	Dichloroethene
DWG	Protection for domestic groundwater use pathway
FD	Field duplicate
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
J+	Estimated, possibly biased high
LDTL	Lowest Default Target Level
MCL	Maximum Contaminant Level
MRBCA	Missouri Risk-based Corrective Action
MW	Monitoring well
NE	Not established
PCE	Tetrachloroethene
RBTL	Risk-based Target Level
TCE	Trichloroethene
TCA	Trichloroethane
TMB	Trimethylbenzene
VOC	Volatile organic compound