TOEROEK
ASSOCIATES, INC.

February 24, 2022

Mr. Bradley Roberts
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
31st & Prospect Development Site
2501, 2503, and 2505 East 30th Street; 3012 Prospect Avenue; and 3005, 3009, 3011, and 3015 Wabash Avenue, Jackson County, Kansas City, Missouri
Phase II Environmental Site Assessment

Dear Mr. Roberts:

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) report regarding the 31st and Prospect Development site (the Site), located in the City of Kansas City, 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

for Kaitlyn Mitchell
Toeroek Team Project Manager

Enclosure: Phase II ESA

cc: Frank Novello, EPA Region 7 (cover letter only)
Lisa Dunning, EPA Region 7
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TARGETED BROWNFIELDS ASSESSMENT
PHASE II ENVIRONMENTAL SITE ASSESSMENT

31st & PROSPECT DEVELOPMENT SITE
2501, 2503, AND 2505 EAST 30th 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

Task Order	:	68HE0719F0190
Subtask	:	08.03
EPA Region	:	7
Date Prepared	:	February 24, 2022
Contract No.	:	68HERH19D0018
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1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA) tasked Toeroek Associates, Inc. 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 31st and Prospect Development Site (the Site). The focus of this ESA is eight parcels of land located at 2501, 2503, and 2505 East 30th 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 performed 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, 52-parcel area known as the 31st & Prospect Development Site. During the previous investigations in the larger, 52-parcel area, a plume of volatile organic compounds (VOCs) in groundwater was identified within eight parcels within the Site. According to the Brownfields Assessment Application (EPA 2020), the current property owner, CRV, LLC, and the City of Kansas City, Missouri are interested in redeveloping the property, contingent on findings from this Phase II ESA.

The scope of the Phase II ESA included collection of subsurface soil, soil-gas, and groundwater samples 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 for long-term groundwater monitoring that will aid potential remediation under the state of Missouri's Brownfields/Voluntary Cleanup Program (BVCP).

This Phase II ESA report is consistent with ASTM International (ASTM) Standard E1903-19 for Phase II ESAs, and otherwise complies with EPA's "All Appropriate Inquiries" Rule (AAI Rule) (40 *Code of Federal Regulations* [CFR] 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 natures and concentrations 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 (3) 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.

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 the City of 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 30th Street and residential buildings beyond; to the east by Prospect Avenue and commercial businesses beyond; to the south-southeast by Rent-A-Center Furniture Store and parking lot, the Kansas City Public Library and parking lot, and East 31st Street beyond; to the west by Wabash Avenue and residential buildings beyond; to the and north-northwest by a vacant building with East 30th 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 sloping 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).

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

Elevations in Jackson County range from 1,105 feet (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 the city (KC Water 2022). No private drinking water wells are 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 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. Static water level measured on the Site at the time of the January 2022 sampling was approximately 962 to 980 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 as early as 1896 and has been comprised of a mixed residential and commercial area, 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 as early as 1951 to 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 as early as 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).

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

2.5 SUMMARY OF PREVIOUS ASSESSMENTS

The Phase I ESA identified the following historical businesses operating at 3012 Prospect Avenue that pose RECs for the Site: Norge Cleaning Village (Norge) (1965 through 1977), Prospect Laundry (1977 to 1978), Cousin Charlie's Auto Parts (1986), and Thomas Auto (1989) (SCS 2018).

In December 2015, CEG conducted a Limited Phase II ESA at 3000-3012 Prospect Avenue, 2501-2505 East 30th Street, and 3005-3015 Wabash Avenue (CEG 2016). CEG advanced three soil borings near the vacant building at the 3000 Prospect Avenue parcel and three soil borings near the vacant building at 3012 Prospect Avenue. Analytical results from soil samples collected within 2 to 6 ft below ground surface (bgs) indicated presence of the VOCs tetrachloroethene (PCE) at concentrations ranging from 56.5 to 1,100 micrograms per kilogram (µg/kg), and trichloroethene (TCE) at concentrations ranging from 12.3 to 109 µg/kg. PCE is a common dry-cleaning solvent that sequentially degrades to TCE, *cis*-1,2-dichloroethene (DCE), and vinyl chloride. A soil sample collected within 18 to 20 ft bgs and immediately west of the former Norge facility contained 16,300 µg/kg of PCE and 109 µg/kg of TCE. The TCE degradation product *cis*-1,2-DCE was detected at 157 µg/kg. Additionally, vinyl chloride was detected at 2.72 µg/kg (CEG 2016). This soil sample was collected from a sandy layer just above bedrock that occasionally contains perched groundwater. Groundwater was not encountered and, therefore, was not sampled during the 2015 investigation (CEG 2016).

In June 2016, Ramboll performed a Limited Phase II subsurface investigation to further characterize the property at 3012 Prospect Avenue. Soil samples were collected between 13 and 22 ft bgs at six boring locations, three within the 3012 Prospect Avenue parcel. Temporary wells, installed at five of the boring locations, consisted of 1-inch polyvinyl chloride (PVC) screen and pipe. Groundwater accumulated overnight in three of these five boring locations and was sampled for VOC analysis. No VOCs were detected in soil or groundwater samples collected at parcels to the west or northwest of the former Norge facility. At the 3012 Prospect Avenue parcel, PCE was identified in soil and groundwater samples. The highest reported PCE concentrations in soil (5,400 µg/kg) and groundwater (3,500 micrograms per liter [µg/L]) were in samples collected to the west of (immediately behind) the former Norge facility where CEG had previously detected PCE contamination. Benzene was detected in soil (8,970 µg/kg) and groundwater (89,200 µg/L) in one boring within the former parking lot to the north of the 3012 Prospect Avenue building (Ramboll 2016). Detected presence of benzene, along with the gasoline additive methyl tertiary butyl ether (MTBE) in the soil (536 µg/kg), suggests a gasoline release between years 1980 and 2005 when this additive was commonly used. MTBE was not detected in the groundwater sample collected at this location.

The 2018 SCS Phase I ESA of the larger project area included most of two city blocks referred to as the "West Block" (the block to the west of Wabash Avenue) and the "East Block" (block between Wabash and Prospect Avenues, which includes the Site). The SCS Phase I ESA identified the former Norge facility at 3012 Prospect Avenue as a REC for the Site. The remaining parcels facing East 30th Street and Wabash Avenue were largely residential (SCS 2018).

In 2019, SCS conducted a Limited Phase II ESA of the East Block and West Block covered by the 2018 SCS Phase I ESA. In addition to the former Norge facility at 3012 Prospect Avenue, the Limited Phase II ESA identified Shamrock Cleaners at 2414 East 31st Street (operating in 1952) and Southside Cleaners at 3039 Prospect Avenue (operating as early as 1934 until 1989). Sampling during the Limited Phase II ESA identified VOCs (primarily chlorinated compounds associated with PCE and its degradation products) in subsurface soil and groundwater. For this reason, SCS concluded that a vapor encroachment condition (VEC) was present at the Site (SCS 2019).

Groundwater was present in each boring advanced during the 2019 Limited Phase II ESA at depths ranging from approximately 4 to 15 ft bgs. Because groundwater was present at the interface between clayey silt and degraded shale bedrock, SCS concluded that groundwater likely was perched and flowed to the northwest. SCS recommended installation of eight groundwater monitoring wells to assess risk from direct dermal contact with or ingestion of the groundwater (SCS 2019).

The 2019 Limited Phase II ESA detected dissolved-phase chlorinated VOCs in groundwater, including PCE, TCE, and *cis*-1,2-DCE at concentrations above laboratory reporting limits. The area of these detections was generally confined to the northeast quarter of the East Block in near proximity to the former Norge facility and not the former Shamrock Cleaners or Southside Cleaners facilities. Sequential degradation of PCE, TCE, and *cis*-1,2-DCE is known to be enhanced by presence of hydrocarbon contamination, which was detected during previous investigations (SCS 2019).

Highest concentrations of PCE were detected near the southwest corner of the 3012 Prospect Avenue parcel, supporting the conclusion that the former Norge facility was most likely a source of the chlorinated VOCs contamination. Initial PCE contamination at this location is thought to have occurred by disposal directly to the ground surface and/or via disposal through the municipal sanitary sewer system during former dry-cleaning operations (SCS 2019).

3.0 PHASE II ENVIRONMENTAL SITE ASSESSMENT ACTIVITIES

The following subsections describe the scope, field exploration, and methods implemented during this Phase II ESA. From January 11 through 14, 2022, Toeroek Team members Stephanie Caples and Reed Niemack conducted subsurface soil, soil-gas, and groundwater sampling, and groundwater monitoring well installation. Photographs taken to document Phase II ESA field activities are in Appendix B. Phase II activities were documented in a logbook (Appendix C).

3.1 SCOPE OF THE ASSESSMENT

The Toeroek Team performed environmental sampling to assess contamination in subsurface soils, soil-gas, and 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). All samples were submitted for analysis to off-site laboratories subcontracted by the Toeroek Team. Objectives of soil and groundwater sampling were to characterize possible releases to the environment. Figure 2 in Appendix A depicts sampling locations at the Site. Sampling at the Site occurred as follows:

- A total of 16 subsurface soil samples were collected, two at each of eight direct-push technology (DPT) soil boring (SB) locations, SB-1 through SB-8. One of these samples was collected as a duplicate pair, SB-1-(7-8), within 7 to 8 ft bgs. From the soil core taken at each boring location, samples were collected from: (1) an interval with the highest photoionization detector (PID) reading and; (2) directly above the water table, refusal, or 30 ft bgs, whichever was encountered first. In instances where PID screening did not indicate evidence of VOCs, a sample was collected within approximately 4 to 6 ft bgs.

- A total of 16 soil-gas (SG) samples were to be collected, two at each of eight DPT boring locations, SG-1 through SG-8, corresponding with SB-1 through SB-8. At each boring location, two soil-gas samples were to be collected, including: (1) one immediately above the perched water table or highest PID reading and: (2) one within 4.5 to 8 ft bgs.

- Three groundwater (GW) samples were collected, one at each of three permanent groundwater monitoring well (MW) locations, MW-1 through MW-3, corresponding with SB/SG-1 through SB/SG-3. One of these samples was collected as a duplicate pair at MW-1.

- Two investigation-derived waste (IDW) samples, Soil-IDW and GW-IDW, were collected as composites of each of the two types of containerized materials.

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 previous investigations. All soil and groundwater samples were submitted to Pace Analytical (Pace) located in Lenexa, Kansas, for VOC analysis via EPA Method SW-846 8260. Soil-gas samples were submitted to ALS Environmental (ALS) located in Cincinnati, Ohio, for VOC analysis via EPA Method TO-15.

3.1.3 Deviations from the QAPP

The following deviations from the QAPP occurred during Phase II ESA activities:

- The Toeroek Team collected 12 soil-gas samples instead of the proposed 16. Soil-gas sampling attempted within deep intervals around the Site was hindered by multiple instances of groundwater entry into the tubing and canister. The canisters that became contaminated with groundwater were rejected in the field and not analyzed. Additionally, one soil-gas sample was rejected by the laboratory. Although the canister was listed on the chain of custody (COC) and a note was left on the tag of that canister instructing the laboratory to disregard the line thereon, the laboratory rejected the canister due to erroneous conclusion that the line drawn across the canister tag indicated a rejected canister. Failure to analyze that sample does not affect ability of the Toeroek Team to establish presence of contamination on the Site.

- Soil-gas samples were collected by use of macro-core samplers equipped with a disposable point, disposable slotted screen PVC and riser, clean sand, and disposable polyethylene tubing. This method of soil-gas sampling was selected based on the type of soil present and required depths of soil-gas sampling. This method differs from the method described in the QAPP; however, it did not negatively impact the quality of the samples collected, and in fact improved overall likelihood of viable sample collection throughout the Site.

- Soil-gas sample intervals were based on contamination and groundwater present as observed during soil sampling. These intervals varied throughout the Site. Biased selection of intervals based on observed contamination does not negatively impact the quality of data obtained during sampling.

- Two soil and soil-gas sampling locations were moved from the locations proposed in the QAPP due to a misunderstanding about consent to sample an adjacent property directly north of the former Norge facility. The conflict was resolved by moving SB/SG-7 and SB/SG-8 south of their proposed locations and nearer to the former Norge facility. Moving these sample locations does not limit the Toeroek Team’s ability to establish concentrations of contamination north of the former Norge facility.

- Groundwater monitoring well MW-2 was moved to the east of the location proposed in the QAPP due to obstructions observed in the field that likely would have negatively affected long-term use of that well at the location proposed in the QAPP.

- During groundwater sampling, monitoring well MW-3 produced very low volume of groundwater. The Toeroek Team was not able to purge the well according to the standard operating procedure and collected a sample without stabilization criteria having been met.

3.2 FIELD ACTIVITIES

Field activities at the Site occurred from January 11 to January 14, 2022. Soil and groundwater samples were submitted to Pace on January 11, 13, and 14, 2022. Soil-gas samples were submitted to ALS on January 12, 2022. The following sections summarize soil, soil-gas, and groundwater sample collections. Sampling locations are depicted on Figure 2 in Appendix A.

3.2.1 Soil Sampling

At each of eight select soil boring locations, two subsurface soil samples were collected (Appendix A, Figure 2). The borings were advanced around the perimeter of the parcel formerly occupied by the former Norge facility.

Sampling proceeded by use of a DPT rig. Soil cores were collected with 5-foot, macro-core samplers with disposable PVC liners. Soil borings were to be advanced to maximum depth of 30 ft, groundwater, or to refusal, whichever came first. Eight soil borings, SB-1 through SB-8, were advanced to depths ranging from 20 to 25 ft bgs before encountering equipment refusal, shale, or groundwater. Two subsurface soil samples were collected at each boring and submitted for laboratory analysis. Soil borings were screened by use of a hand-held PID for presence of elevated concentrations of VOCs. Soil samples were collected at various depths based on observed staining, odor, elevated PID readings, and in some cases the presence of groundwater. Boring logs are in Appendix C.

Collection of soil samples for analyses for VOCs (via EPA Method 8260) accorded with EPA Method 5035, which specifies collection of approximately 5 grams of soil into three 40-milliliter (mL) vials directly from the undisturbed core by use of a disposable volatile organic analysis (VOA) plunger. Two VOA vials were preserved with sodium bisulfate, one VOA vial was preserved with methanol, and one 40-mL plastic container was unpreserved for calculation of moisture in the soil collected therein.

Following collection of each sample, the sampling location (i.e., global positioning system [GPS] coordinates) was recorded in the logbook (Appendix C). Monitoring wells MW-1, MW-2, and MW-3 were installed within the soil borings SB-1, SB-2, and SB-3, respectively. SB-4 was filled with bentonite to ground surface after completion of sampling. At all other soil boring locations, subsequent collection of soil-gas samples occurred within the same boring and the borings were decommissioned following

completion of soil-gas sampling. After completion of sampling at each location, permanent equipment used during drilling and soil sampling was decontaminated by application of an Alconox® and tap water wash, followed by a tap water rinse. Table 1 below summarizes soil samples collected during this Phase II ESA.

TABLE 1

SOIL SAMPLE SUMMARY
31st AND PROSPECT DEVELOPMENT SITE

Boring ID	Sample ID(s)	Depth Interval (ft bgs)	Latitude (°N)	Longitude (°W)	Analyses Performed
SB-1	SB-1-(7-8)	7-8	39.0709975*	-94.5529092*	VOCs
	SB-1-(7-8)-FD	7-8			
	SB-1-(21-22)	21-22			
SB-2	SB-2-(19-20)	19-20	39.0711196*	-94.5532839*	
	SB-2-(24-25)	24-25			
SB-3	SB-3-(4-5)	4-5	39.0712824*	-94.5532769*	
	SB-3-(21-22)	21-22			
SB-4	SB-4-(11.5-12.5)	11.5-12.5	39.07117	-94.55296	
	SB-4-(23-24)	23-24			
SB-5	SB-5-(4-5)	4-5	39.07105	-94.55338	
	SB-5-(19-20)	19-20			
SB-6	SB-6-(19-20)	19-20	39.07102	-94.55321	
	SB-6-(22.5-23.5)	22.5-23.5			
SB-7	SB-7-(13.5-14.5)	13.5-14.5	39.07128	-94.55321	
	SB-7-(19-20)	19-20			
SB-8	SB-8-(19-20)	19-20	39.07128	-94.55306	
	SB-8-(23-24)	23-24			

Notes:

*Latitude and longitude at SB-1 through SB-3 were taken from the monitoring well survey.

FD	Field duplicate	SB	Soil boring
ft bgs	Feet below ground surface	VOC	Volatile organic compound
ID	Identification		

3.2.2 Soil-gas Sampling

The Toeroek Team collected 12 soil-gas samples co-located with the eight soil samples, at SB-1 through SB-8, to investigate potential vapor contamination from historical activities at or near the Site (Appendix A, Figure 2).

At each sampling location, by use of the DPT rig, soil-gas samples were collected at a shallow and a deep interval based on observed contamination during soil sampling. For soil-gas samples SG-1 through SG-4, new borings were created to collect soil-gas samples using a macro-core sampler equipped with a disposable point. The samplers were advanced to approximately 17 to 23 ft bgs and again, at a location offset by approximately 1 foot, to approximately 5 to 8 ft bgs. For soil-gas samples SG-5 through SG-8, the

soil boring served as the deep soil-gas sampling pathway and for the shallow soil-gas samples the macro-core sampler with disposable point were used. All samplers were fully retracted after reaching the desired sample depth in order to open the boring for sampling. Clean, disposable polyethylene tubing was inserted through disposable slotted-screen PVC and riser and lowered to the desired depth. Clean sand was used to fill the void space created by drilling to allow collection of soil-gas from a 6-inch screened interval. The soil-gas samples were collected through the slotted screen PVC by use of disposable polyethylene tubing connected to the bottom of the rod string and an evacuated vacuum canister on the ground surface. Air in the tubing was evacuated with a vacuum pump prior to connection of the tubing to the canister. After connection of the canister to the tubing, a valve on the canister was opened to begin sample collection. The canister remained attached to the polyethylene tubing until the vacuum gauge indicated approximately 5 to 7 pounds per square inch (psi) in the canister. One of the samples was allowed to drop to 4 psi during sampling; however, this psi level did not affect the quality of the sample.

After completion of sampling at each location, the tubing was removed from the boring and any permanent equipment that encountered the soil-gas sampling was decontaminated by application of an Alconox® and tap water wash, followed by a tap water rinse. Vacuum canisters were submitted to ALS for analysis for VOCs via EPA Method TO-15. Table 2 below summarizes soil-gas samples collected during this Phase II ESA.

TABLE 2

SOIL-GAS SAMPLE SUMMARY
31st AND PROSPECT DEVELOPMENT SITE

Boring ID	Sample ID(s)	Depth Interval (ft bgs)	Latitude (°N)	Longitude (°W)	Analyses Performed
SG-1	SG-1-(7-7.5)	7-7.5	39.0709975*	-94.5529092*	VOCs
SG-2	SG-2-(4.5-5)	4.5-5	39.0711196*	-94.5532839*	
SG-3	SG-3-(4.5-5)	4.5-5	39.0712824*	-94.5532769*	
SG-4	SG-4-(7.5-8)	7.5-8	39.07117	-94.55296	
	SG-4-(22.5-23)	22.5-23			
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-7	SG-7-(4.5-5)	4.5-5	39.07128	-94.55321	
	SG-7-(16.5-17)	16.5-17			
SG-8	SG-8-(4.5-5)	4.5-5	39.07128	-94.55306	

Notes:

*Latitude and longitude for SG-1 through SG-3 were taken from the monitoring well survey.

ft bgs Feet below ground surface
ID Identification
SG Soil gas
VOC Volatile organic compound

3.2.3 Monitoring Well Installation

Toeroek Team member Ms. Caples oversaw installation of three flush-mounted groundwater monitoring wells on the Site under the Missouri Well Contractor Restricted Permit Number 006800. Installation of the wells accorded with MoDNR Well Construction Rules (MoDNR 2019) and requirements specified in the QAPP (Toeroek 2021).

Groundwater was encountered at approximately 18 to 23 ft bgs at most of the soil boring locations on the Site. The groundwater encountered appears to have been a perched water table in silty, sandy intervals on top of shale acting as an aquitard. Advancements of borings for the monitoring wells proceeded to equipment refusal (competent bedrock) less than 2 ft into the shale. The wells were screened from approximately 12 to 22 ft and 15 to 25 ft bgs and across the soil-bedrock interface where perched groundwater is commonly encountered in the area. Appendix C includes well installation records.

Static water levels in the monitoring wells were measured and development commenced approximately 24 hours after installation. Development consisted of mechanical surging and pumping for a minimum of 2 hours and until at least three well volumes of water had been purged. Table 3 lists monitoring well installation details.

TABLE 3

MONITORING WELL INSTALLATION DETAILS
31st AND PROSPECT DEVELOPMENT SITE

MW ID	Total Depth (ft bgs)	Screened Interval (ft bgs)	Top of Casing Elevation (ft amsl)	Latitude(°N)	Longitude(°W)
MW-1	21.50	11.25-21.25	984.84	39.0709975	-94.5529092
MW-2	25.25	15-25	984.05	39.0711196	-94.5532839
MW-3	22.00	11.75-21.75	982.89	39.0712824	-94.5532769

Notes:

Latitudes and longitudes were taken from the monitoring well survey.

ft bgs Feet below ground surface
ft amsl Feet above mean sea level
ID Identification
MW Monitoring well

3.2.4 Groundwater Sampling

The Toeroek Team collected groundwater samples from each of the three permanently installed monitoring wells co-located with the first three soil and soil-gas sample locations (SB/SG-1 through SB/SG-3) (Appendix A, Figure 2).

Samples were collected approximately 24 hours after development by use of disposable PVC bailers. After a well volume was purged, temperature, pH, specific conductivity, and turbidity were measured by use of a Horiba U-52 Series water meter. Parameters were monitored during purging until parameters stabilized (no greater than 10 percent change over three consecutive readings). Due to the type of bedrock in which the wells were screened, groundwater continued to be turbid after well development. Throughout the purging process, visible fine sediment remained present at all wells. Due to insufficient groundwater, the wells were purged dry and allowed to recharge before sampling. The groundwater sample at MW-3 was collected before all stabilization criteria were met due to a very slow recharge rate. Samples were analyzed for VOCs via EPA Method 8260 and collected into three 40-mL VOA vials preserved with hydrochloric acid. Table 4 below summarizes groundwater samples collected during this Phase II ESA.

TABLE 4

GROUNDWATER SAMPLE SUMMARY
31st AND PROSPECT DEVELOPMENT SITE

Boring ID	Sample ID(s)	Depth to Groundwater (ft btoc)	Static Water Level (ft amsl)	Analyses Performed
GW-1	GW-1	13.90	970.94	VOCs
	GW-1-FD			
GW-2	GW-2	18.75	965.30	
GW-3	GW-3	19.30	961.59	

Notes:

FD	Field duplicate	GW	Groundwater
ft amsl	Feet above mean sea level	ID	Identification
ft btoc	Feet below top of casing	VOC	Volatile organic compound

3.2.5 Quality Control Sampling

Field quality control (QC) samples for this investigation included three laboratory-supplied aqueous trip blanks, one included in each cooler delivered to the laboratory; four field blanks, one prepared on each day of fieldwork; one rinsate blank collected from the water level indicator; one soil field duplicate; and one groundwater field duplicate. 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. The rinsate blank was used to evaluate cross contamination of groundwater between monitoring wells introduced by reusable equipment. One soil duplicate and one groundwater field duplicate were collected to determine total method precision. Analytical results from field duplicate samples were used to calculate the relative percent difference (RPD) between each set of duplicate pair results for each reported analyte. The RPDs served informational purposes only; however, the higher concentration of each analyte in each duplicate sample pair was compared to screening levels. Analytical accuracy was determined via analysis of laboratory-prepared spikes and duplicates. Calculated RPDs are in the applicable data validation reports in Appendix D.

3.2.6 Investigation-Derived Waste

The Toeroek Team collected IDW samples of containerized soil cuttings and purge water from monitoring well installation and sampling activities. Composite samples were collected from 55-gallon drums of containerized wastes to identify any hazardous materials in the wastes prior to transport and disposal.

4.0 EVALUATION AND PRESENTATION OF RESULTS

The following sections present analytical data from soil, soil-gas, and groundwater samples collected during the Phase II ESA. Sample results from this ESA were compared to EPA Maximum Contaminant Levels (MCLs) (EPA 2022), Missouri Risk-based Corrective Action (MRBCA) Lowest Default Target Levels (LDTLs), and MRBCA Tier 1 Risk-based Target Levels (RBTLs) for Type 3 (clayey) residential subsurface soils (MoDNR 2006). Copies of analytical data packages and data validation reports are in Appendix D.

4.1 SUBSURFACE SOIL SAMPLES

A total of 16 subsurface soil samples, one corresponding with a duplicate, were collected at eight locations to assess impacts on soil from historical site activities. Soil samples were submitted to Pace for VOC analysis.

In soil samples collected at the Site, the laboratory detected acetone; benzene; 2-butanone (also known as methyl ethyl ketone or MEK); n-butylbenzene; secondary butylbenzene; tertiary butylbenzene; chloroform; *cis*-1,2-DCE; 1,2-dichloropropane; ethylbenzene; hexachloro-1,3-butadiene; 2-hexanone; isopropylbenzene (also known as cumene); p-isopropyltoluene; naphthalene; n-propylbenzene; PCE; toluene; TCE; 1,2,4-trimethylbenzene (TMB); 1,3,5-TMB; and xylene. For the purposes of this report, these constituents are considered chemicals of concern.

Low to moderate levels of VOC contamination was detected in all soil borings except SB-6 in which no chemicals of concern were detected above the reporting limit.

Soil samples collected from SB-2, SB-4, SB-7, and SB-8 contained chemicals of concern at concentrations exceeding MRBCA LDTLs. No other soil samples contained chemicals of concern exceeding MRBCA screening levels.

PCE was detected at concentrations above its MRBCA LDTL in SB-2-(19-20), SB-2-(24-25), SB-4-(11.5-12.5), SB-7-(13.5-14.5), and SB-7-(19-20). TCE was detected at concentrations above its MRBCA LDTL in SB-4-(11.5-12.5), SB-7-(13.5-14.5), SB-7-(19-20), and SB-8-(19-20). Benzene; chloroform; 1,2-dichloropropane; 1,2,4-TMB; 1,3,5-TMB; and xylene were each detected above their respective MRBCA LDTL in at least one soil sample. However, no detected VOC concentration was above a MRBCA RBTL for Type 3 (clayey) residential subsurface soils. Table 5 lists all VOC detections in subsurface soil, and Figure 3 in Appendix A shows exceedances of VOC LDTLs in soil.

TABLE 5

DETECTED VOC RESULTS FROM SOIL SAMPLES
31st AND 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
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**

TABLE 5 (Continued)

DETECTED VOC RESULTS FROM SOIL SAMPLES
31st AND PROSPECT DEVELOPMENT SITE

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.

*INH

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

4.2 SOIL-GAS SAMPLES

A total of 12 soil-gas samples were collected at 8 locations to assess potential impacts on indoor air from historical site activities and current surrounding businesses. All 12 soil-gas samples were submitted to ALS for VOCs analysis; however, only 11 were analyzed due to a lab error.

VOCs were detected in all 11 soil-gas samples. Laboratory detected chemicals of concern include 1,1-DCE; 1,2,4-TMB; 1,2-dichloroethane (DCA); 1,3,5-TMB; 1,3-butadiene; 2-butanone; 2-propanol; 4-ethyltoluene; 4-methyl-2-pentanone; acetone; benzene; benzyl chloride; carbon disulfide; chloromethane; *cis*-1,2-DCE; isopropylbenzene; cyclohexane; ethylbenzene; heptane; hexane; m, p-xylene; o-xylene; propene; styrene; PCE; tetrahydrofuran; toluene; TCE; and vinyl chloride.

All 11 soil-gas samples collected at the subject property and analyzed by the laboratory contained low to moderate concentrations of chemicals of concern, identified above.

In sample SB-8-(4.5-5), benzene concentrations exceeded the MRBCA RBTL for indoor air, assuming clayey soils and residential land use. No other concentrations of any chemical of concern exceeded a MRBCA screening level. Table 6 lists all VOC detections in soil-gas.

TABLE 6

DETECTED VOC RESULTS FROM SOIL-GAS SAMPLES
31st AND 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

TABLE 6 (Continued)

DETECTED VOC RESULTS FROM SOIL-GAS SAMPLES
31st AND 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

4.3 GROUNDWATER SAMPLES

Three groundwater samples, one with a corresponding duplicate, were collected from monitoring wells MW-1, MW-2, and MW-3.

In groundwater samples, the laboratory detected the following chemicals of concern: acetone; benzene; 2-butanone; n-butylbenzene; secondary butylbenzene; tertiary butylbenzene; chloroform; 1,1-DCE; *cis*-1,2-DCE; *trans*-1,2-DCE; 1,2-dichloropropane; isopropylbenzene; n-propylbenzene; PCE; toluene; 1,1,2-trichloroethane (TCA); TCE; 1,3,5-TMB; vinyl chloride, and xylene.

Groundwater samples collected from MW-1, MW-2, and MW-3 contained low to moderate concentrations of chemicals of concern identified above.

In all three groundwater samples, PCE and TCE concentrations exceeded their respective EPA MCLs and MRBCA LDTLs. The groundwater sample from MW-2 contained PCE at a concentration exceeding the MRBCA RBTL. The RBTL assumed clayey soil and a primary risk from vapor inhalation. No other chemical of concern was detected at concentrations exceeded a MRBCA screening level or an EPA MCL. Table 7 lists all VOC detections in groundwater and Figure 4 in Appendix A shows exceedances of VOC LDTLs or MCLs in groundwater.

TABLE 7

DETECTED VOC RESULTS FROM GROUNDWATER SAMPLES
31st AND 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

4.4 QUALITY CONTROL SAMPLES

Pace analyzed QC samples for VOCs. No VOC was detected in any trip blank. No VOC was detected in three of the four field blanks. The VOC, 2-butanone, was detected in the field blank (collected on January 14, 2022) at 1.3 J µg/L. 2-Butanone was detected in all three groundwater samples collected on the same day, so these results may be biased high. Acetone, a common laboratory contaminant, was detected in the rinsate blank at 2.6 J µg/L; however, neither 2-butanone nor acetone was detected at concentrations above a screening level in a sample from any medium.

Calculated RPDs between data from soil sample SB-1-(7-8) and duplicate SB-1-(7-8)-FD were within acceptance limits qualifying the data as reliable.

Calculated RPDs between data from groundwater sample MW-1 and duplicate MW-1-FD were within acceptance limits qualifying the data as reliable.

5.0 DISCUSSION OF SIGNIFICANT FINDINGS AND CONCLUSIONS

This section summarizes significant findings and offers conclusions regarding Phase II ESA field activities. A property profile form pertaining to the Site is in Appendix E.

5.1 SUBSURFACE SOIL

In soil samples collected from the Site, the laboratory detected low to moderate levels of the VOCs acetone; benzene; 2-butanone; n-butylbenzene; secondary butylbenzene; tertiary butylbenzene; chloroform; *cis*-1,2-DCE; 1,2-dichloropropane; ethylbenzene; hexachloro-1,3-butadiene; 2-hexanone; isopropylbenzene; p-isopropyltoluene; naphthalene; n-propylbenzene; PCE; toluene; TCE; 1,2,4-TMB; 1,3,5-TMB; and xylene.

VOCs were detected in all soil samples collected at the Site except in samples from SB-6 in which no chemical of concern was detected above a reporting limit. Soil boring samples collected from SB-2, SB-4, SB-7, and SB-8 contained chemicals of concern at concentrations exceeding MRBCA LDTLs. No other soil sample contained concentrations of a chemical of concern exceeding a regulatory benchmark. No concentrations of a chemical of concern were detected in samples from SB-2, SB-4, SB-7, and SB-8 exceeding a MRBCA RBTL, assuming clayey soil and residential land use.

5.2 SOIL-GAS

In all 11 soil-gas samples, the laboratory detected low to moderate levels of VOCs including: 1,1-DCE; 1,2,4-TMB; 1,2-DCA; 1,3,5-TMB; 1,3-butadiene; 2-butanone; 2-propanol; 4-ethyltoluene; 4-methyl-2-pentanone; acetone; benzene; benzyl chloride; carbon disulfide; chloromethane; *cis*-1,2-DCE; isopropylbenzene; cyclohexane; ethylbenzene; heptane; hexane; m, p-xylene; o-xylene; propene; styrene; PCE; tetrahydrofuran; toluene; TCE; and vinyl chloride.

VOCs were detected in all soil-gas samples collected at the Site. Benzene concentrations in one soil-gas sample at SB-8 exceeded the MRBCA RBTL, assuming clayey soils and residential land use. No other chemical of concern was detected at concentrations exceeding a MRBCA screening level.

5.3 GROUNDWATER

All groundwater samples collected at the Site contained low to moderate concentrations of chemicals of concern.

The laboratory detected the following chemicals of concern: acetone; benzene; 2-butanone; n-butylbenzene; secondary butylbenzene; tertiary butylbenzene; chloroform; 1,1-DCE; *cis*-1,2-DCE; *trans*-1,2-DCE; 1,2-dichloropropane; isopropylbenzene; n-propylbenzene; PCE; toluene; 1,1,2-TCA; TCE; 1,3,5-TMB; vinyl chloride; and xylene.

In all three groundwater samples, PCE and TCE concentrations exceeded their respective EPA MCLs and MRBCA LDTLs. The groundwater sample from MW-2 contained PCE at a concentration exceeding the MRBCA RBTL. The RBTL assumed clayey soil and a primary risk from vapor inhalation. No other concentrations of chemicals of concern exceeded MRBCA screening levels or EPA MCLs.

5.4 EVALUATION OF PREVIOUSLY IDENTIFIED RECS

This section discusses and evaluates the RECs identified during previous Phase I and Phase II ESAs.

In December 2015, CEG conducted a Limited Phase II ESA at 3000-3012 Prospect Avenue, 2501-2505 East 30th Street, and 3005-3015 Wabash Avenue (CEG 2016). Analytical results from soil samples collected within 2 to 6 ft bgs indicated presence of PCE and its degradation products TCE, *cis*-1,2-DCE, and vinyl chloride (CEG 2016). PCE is a compound used in dry-cleaning activities.

In June 2016, Ramboll performed a Limited Phase II subsurface investigation to further characterize the property at 3012 Prospect Avenue. PCE was detected in soil and groundwater. The highest reported PCE concentrations in soil and groundwater were in samples collected to the west of (immediately behind) the former Norge facility where CEG had previously detected PCE contamination. Further, benzene detected in soil and groundwater, and MTBE detected in soil suggested a gasoline release sometime between 1980 and 2005.

The 2018 Phase I ESA by SCS identified the following historical businesses operating at 3012 Prospect Avenue posing RECs for the Site: Norge (1965 through 1977), Prospect Laundry (1977 to 1978), Cousin Charlie's Auto Parts (1986), and Thomas Auto (1989) (SCS 2018).

The subsequent 2019 Limited Phase II ESA by SCS detected dissolved-phase chlorinated VOCs in groundwater, including PCE, TCE, and *cis*-1,2-DCE. The area of these exceedances was generally confined to the northeast quarter of the East Block near the former Norge facility. Highest concentrations of PCE were detected near the southwest corner of the 3012 Prospect Avenue parcel, supporting the conclusion that the former Norge facility was likely a source of the chlorinated VOC contaminations via either discharge to soil or to the municipal sanitary sewer system (SCS 2019).

The Toeroek Team collected soil, soil-gas, and groundwater samples at the former Norge facility at 3012 Prospect Avenue. VOCs used in dry-cleaning facilities and gas stations were detected at concentrations exceeding MRBCA LDTLs in all three media sampled, and exceeding MRBCA RBTLs and EPA MCLs in groundwater. PCE, TCE, and degradation products were detected at highest concentrations in the north (SB/SG-7 and SB/SG-8), east (SB/SG-4), and west (SB/SG/MW-2) portions of the parcel. High levels of other chemicals of concern were identified at SB/SG-7 and SB/SG-8 in the north portion of the parcel—including concentrations of benzene, toluene, ethylbenzene, and xylene (BTEX); cumene; cyclohexane; heptane; hexane; and TMBs.

Based on analytical results from this Phase II ESA, historical activities at the property identified in the Phase I ESA by SCS in 2018 and similar results provided by CEG in 2015 and Ramboll in 2016, contamination generated by historical activities at the Site appears to be impacting groundwater and possibly indoor air quality at local business and residential properties.

5.5 CONCEPTUAL SITE MODEL

The following sections describing the conceptual site model cover release scenarios and spatial distributions of chemicals of concern, current and future land and groundwater uses, restrictions on land and groundwater uses, physical conditions at the Site, remedial activities at the Site, and an exposure model.

5.5.1 Chemical Release Scenario and Spatial Distribution

Sampling results during this Phase II ESA indicated presence of contaminants in soil, soil-gas, and groundwater at the Site. Concentrations of VOCs in subsurface soil samples SB-2, SB-4, SB-7, and SB-8 were reported above MRBCA LDTLs, although none exceeded an RBTL. Concentrations of benzene in a soil-gas sample from SG-8 exceeded the MRBCA RBTL. Concentrations of PCE and TCE were reported above MRBCA LDTLs and EPA MCLs in all three groundwater samples. The sample from MW-2 reported PCE concentration exceeding the MRBCA RBTL. The RBTL assumed clayey soil and a primary risk from vapor inhalation. Contaminant concentrations in soil samples suggest a release at the Site and source area of contamination to groundwater. Groundwater and soil-gas concentrations of chemicals of concern could pose a risk of vapor intrusion as contamination moves off the Site.

5.5.2 Current and Future Land Use and Groundwater Use

Currently, the Site is vacant and not in use, and groundwater is not used for drinking water. 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-MGD treatment plant before servicing customers inside and outside the City of Kansas City (KC Water 2022). No private drinking water wells are within a 1-mile radius of the Site (MoDNR 2022).

The current owner of the Site, CRV, LLC (represented by Sheryl Vickers) and the City of Kansas City, Missouri, are interested in redeveloping the property, contingent on findings from this Phase II ESA.

5.5.3 Land and Groundwater Use Restrictions

As stated above, groundwater is a source of approximately 20 percent of the City's potable water supply. No local potable water wells are within a 1-mile radius of the Site.

5.5.4 Physical Conditions

A discussion of physical conditions is in Section 2.2 of this report.

5.5.5 Remedial Activities Conducted at the Site

No known remedial activities have occurred at the Site.

5.5.6 Exposure Model

Groundwater Migration Pathway and Targets

The Site is located in the east-central portion of the City of Kansas City, Missouri and is surrounded by residential and commercial businesses. Because the City of Kansas City serves the groundwater domestic use pathway, likelihood of ingestion of or dermal exposure to contaminants present in groundwater at the Site is considered low; however, contaminants present in groundwater may impact indoor air.

Surface Water Migration Pathway and Targets

The hydrologic gradient at the Site is not known but may be inferred to be consistent with the topographic gradient, which extends primarily to the north-northwest toward the Missouri River located approximately 3.4 miles to the north-northwest of the Site. Threatened or endangered species known or likely to occur in the City of Kansas City, Missouri include the Indiana bat, northern long-eared bat, gray bat, and monarch butterfly (U.S. Fish and Wildlife Service [USFWS] 2022). Presence of these species at and near the Site has not been verified; nor have critical habitat areas been delineated.

No surface water features are at the Site and stormwater flows into the Kansas City stormwater sewer system. Therefore, likelihood of exposure is considered low.

Soil Exposure and Air Migration Pathways and Targets

Soils at the Site have been classified as 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). The Site is vacant and undeveloped. The owner and the City of Kansas City are interested in redevelopment. Should redevelopment occur, likelihood of direct exposure to soil or air contamination would be considered moderate to high during excavation and grading activities.

Subsurface Vapor Intrusion Migration Pathway and Targets

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

Based on elevated VOC results from the soil-gas and groundwater samples, VOCs may migrate from the subsurface into indoor air of nearby buildings or future on-site buildings through cracks in foundations or other openings that would be part of a human exposure pathway. In soil-gas sample SG-8-(4.5-5), concentration of benzene exceeded the residential MRBCA RBTL at 2,616 $\mu g/m^3$. In groundwater sample MW-2, concentration of PCE exceeded the residential MRBCA RBTL, presenting a risk from vapor inhalation. Concentrations of PCE and TCE exceeded MCLs and MRBCA LDTL in all three groundwater samples. Each of Benzene; 1,2-dichloropropane; naphthalene; PCE; toluene; TCE; 1,2,4-TMB; 1,3,5-TMB; and xylene were detected at concentrations exceeding their respective MRBCA LDTL in at least one soil sample.

Concentrations of chemicals of concern in soil, soil-gas, and groundwater samples suggest that these constituents may be present at elevated concentrations in indoor air at neighboring properties. PCE and TCE are commonly used for degreasing and in dry cleaning facilities; and BTEX and other fuel-related chemicals identified at the Site do not occur naturally. Presence of these chemicals in soil-gas samples indicate contamination in subsurface soil and groundwater.

5.6 AFFECTED MEDIA

Sampling results during this Phase II ESA indicated presence of contaminants in soil, soil-gas, and groundwater at the Site. Concentration of benzene exceeded the residential MRBCA RBTL in one soil-gas sample. Concentrations of PCE exceeded the residential MRBCA RBTL in groundwater sample MW-2. Concentrations of PCE and TCE exceeded MCLs and MRBCA LDTL in all three groundwater samples. Concentrations of benzene; 1,2-dichloropropane; naphthalene; PCE; toluene; TCE; 1,2,4-TMB; 1,3,5-TMB; and xylene were detected at concentrations exceeding its MRBCA LDTL in at least one soil sample.

5.7 RECOMMENDATIONS

The current owner of the Site, CRV, LLC (represented by Sheryl Vickers) and the City of Kansas City are interested in redeveloping the property, contingent on findings from this Phase II ESA. The Site is located in the east-central portion of the City of Kansas City and is surrounded by residential buildings and commercial businesses. Based on analytical results from soil, groundwater, and soil-gas samples, further investigation and/or remediation appears warranted, including continued groundwater monitoring. Additional collections of indoor air or sub-slab vapor samples at nearby buildings is recommended to delineate the extent of contamination that may be affecting nearby properties.

6.0 REFERENCES

CEG Assessments (CEG). 2016. Limited Phase II Environmental Site Assessment, 3000-3012 Prospect, Avenue, 2501-2505 East 30th Street, and 3005-3015 Wabash Avenue, Kansas City, Missouri 64127. February 15.

KC Water. 2022. KC Water Department, Kansas City Missouri. Accessed January 2022. https://www.kcwater.us/about-us/water/#:~:text=Surface%20water%20comes%20from%20the,remaining%2020%25%20of%20raw%20water

Missouri Bureau of Geology and Mines. 1917. Geological Map of Kansas City, Missouri.

Missouri Department of Natural Resources (MoDNR). 1997. Groundwater Resources of Missouri. Water Resources Report Number 46.

Missouri Department of Natural Resources (MoDNR). 2006. Missouri Risk-Based Corrective Action Technical Guidance. February.

Missouri Department of Natural Resources (MoDNR). 2019. Rules of Department of Natural Resources, Division 23—Well Installation, Chapter 3—Water Well Construction Code. Accessed January 29, 2022. https://www.sos.mo.gov/cmsimages/adrules/csr/current/10csr/10c23-3.pdf

Missouri Department of Natural Resources (MoDNR). 2022. Well Drilling Logs Interactive Map. Accessed January 2022. https://www.arcgis.com/apps/webappviewer/index.html?id=0e701223578b4cb1bc15e4a160cc0230

National Weather Service. 2022. Historical Weather Data for Kansas City, Missouri. Accessed January 2022. https://w2.weather.gov/climate/index.php?wfo=lsx

Ramboll Environ (Ramboll). 2016. Limited Subsurface Investigation, 3012 Prospect Avenue, Kansas City, Missouri. July 12.

SCS Engineers (SCS). 2018. Phase I Environmental Site Assessment. 31st and Prospect Redevelopment Project, Kansas City, Missouri. December 4.

SCS Engineers (SCS). 2019. Limited Phase II Environmental Site Assessment Report. 31st and Prospect Redevelopment Project, Kansas City, Missouri. November 19.

Stohr, Christopher, Gary St. Ivany, and James Hadley Williams. 1981. Geologic Aspects of Hazardous-Waste Isolation in Missouri. MoDNR, Engineering Geology Report Number 6.

Toeroek Associates, Inc. (Toeroek). 2021. Quality Assurance Project Plan, Phase II Environmental Site Assessment. 31st and Prospect Development Site. November 15, 2021.

U.S. Department of Agriculture (USDA). 1984. Soil Survey of Jackson County, Missouri. September.

U.S. Department of Agriculture (USDA). 2022. Web Soil Survey. Accessed January 2022. https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm

U.S. Environmental Protection Agency (EPA). 2020. Brownfields Assessment Application, Submitted by City of Kansas City, Missouri for the 31st and Prospect Development site. October.

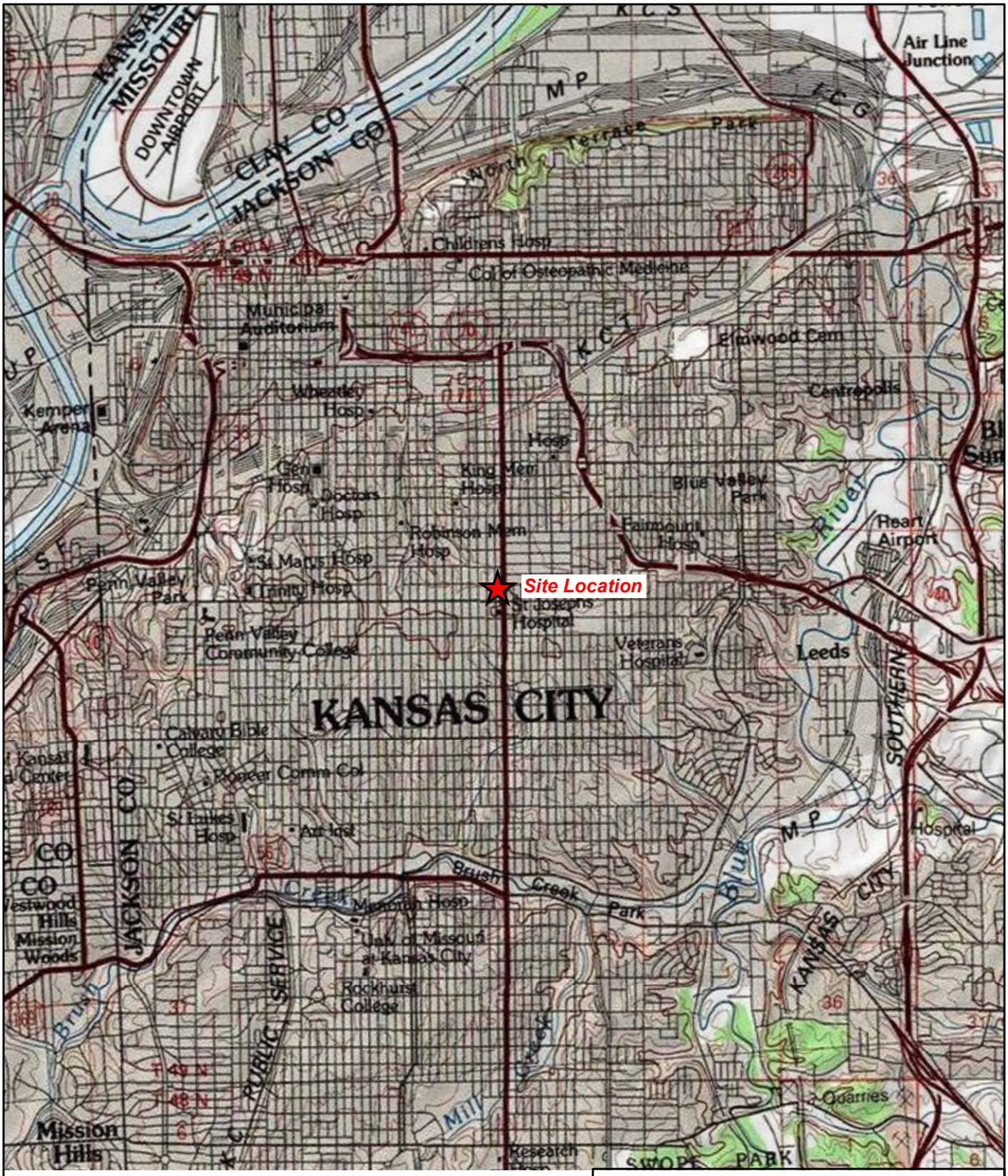
U.S. Environmental Protection Agency (EPA). 2022. National Primary Drinking Water Regulations. Organic Chemicals. Accessed January 2022. https://www.epa.gov/ground-water-and-drinking-water/national-primary-drinking-water-regulations#Organic

U.S. Fish and Wildlife Service (USFWS). 2022. Jackson-County Distribution of Federally Listed Threatened, Endangered, Proposed, and Candidate Species. Accessed January 2022. https://ipac.ecosphere.fws.gov/location/IFTUNB367JCUPIAQFMP7GC6VRQ/resources

U.S. Geological Survey (USGS). 2021. Kansas City, Missouri Quadrangle. USGS 7.5-Minute Topographic Series.

APPENDIX A

FIGURES



N

0 0.5 1

Miles

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

31st & Prospect Development Site
Kansas City, Missouri

Figure 1

Site Location Map

TETRA TECH

Date: 2/23/2022 Drawn By: Rachel Page Project No: 103G65210190.08.03

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Soil boring/soil gas

Soil boring/soil gas/monitoring well

Area of soil and groundwater contamination

Former Norge/Prospect Laundry Facility

Site boundary

Parcel

N

0 25 50

Feet

Source: Esri, ArcGIS Online, World Imagery (Clarity), 2015

31st & Prospect Development Site
Kansas City, Missouri

Figure 2

Sample Location Map

TETRA TECH

Date: 1/31/2022 Drawn By: Rachel Page Project No: 103G65210190.08.03

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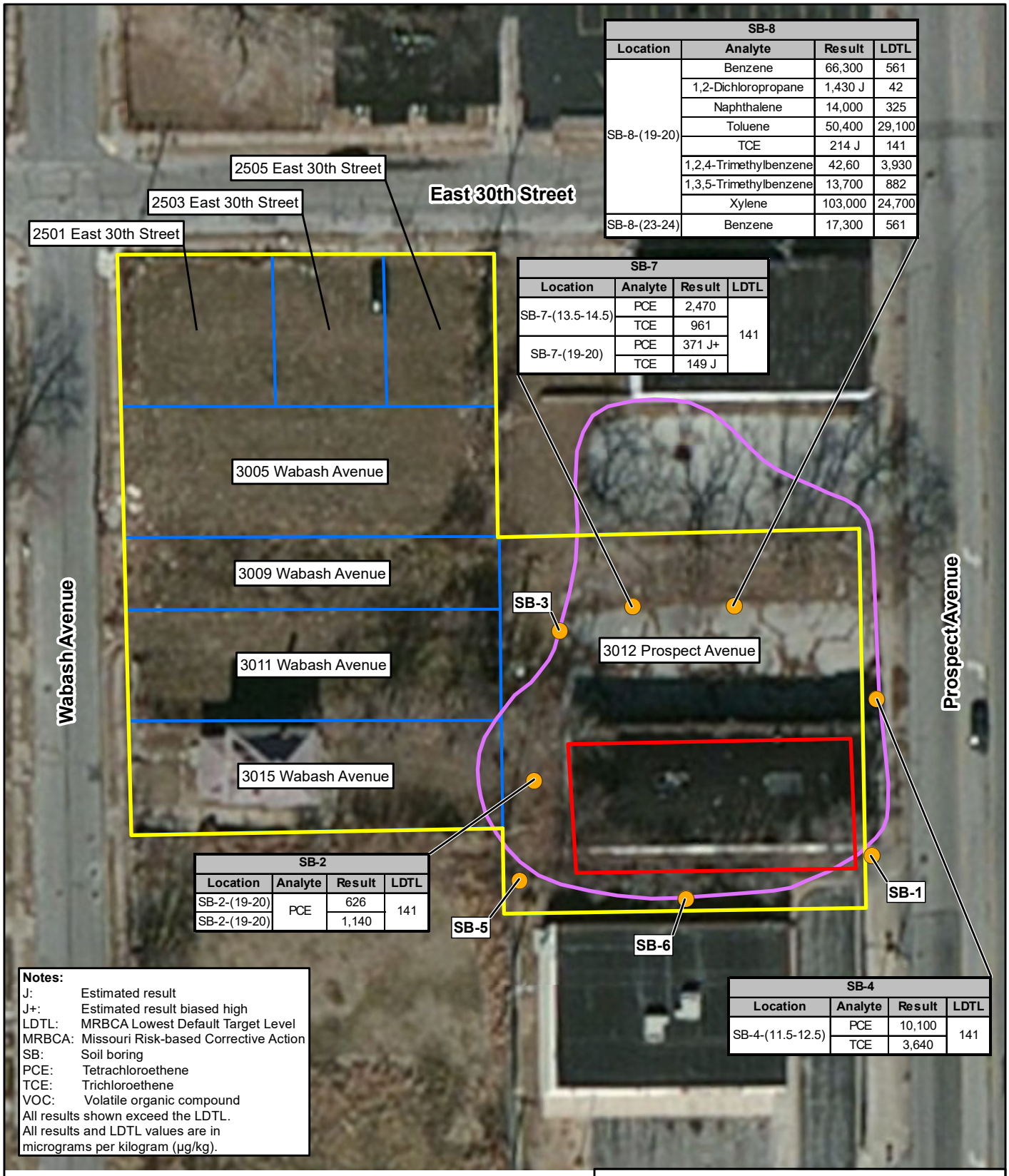

SB-8			
Location	Analyte	Result	LDTL
SB-8-(19-20)	Benzene	66,300	561
	1,2-Dichloropropane	1,430 J	42
	Naphthalene	14,000	325
	Toluene	50,400	29,100
	TCE	214 J	141
	1,2,4-Trimethylbenzene	42,60	3,930
	1,3,5-Trimethylbenzene	13,700	882
	Xylene	103,000	24,700
SB-8-(23-24)	Benzene	17,300	561

SB-7			
Location	Analyte	Result	LDTL
SB-7-(13.5-14.5)	PCE	2,470	141
	TCE	961	
SB-7-(19-20)	PCE	371 J+	
	TCE	149 J	

SB-2			
Location	Analyte	Result	LDTL
SB-2-(19-20)	PCE	626	141
SB-2-(19-20)		1,140	

SB-4			
Location	Analyte	Result	LDTL
SB-4-(11.5-12.5)	PCE	10,100	141
	TCE	3,640	

Notes:
J: Estimated result
J+: Estimated result biased high
LDTL: MRBCA Lowest Default Target Level
MRBCA: Missouri Risk-based Corrective Action
SB: Soil boring
PCE: Tetrachloroethene
TCE: Trichloroethene
VOC: Volatile organic compound
All results shown exceed the LDTL.
All results and LDTL values are in micrograms per kilogram (µg/kg).

Legend
- Soil boring location
- Area of soil and groundwater contamination
- Former Norge/Prospect Laundry Facility
- Site boundary
- Parcel

N
0 25 50
Feet

Source: Esri, ArcGIS Online, World Imagery (Clarity), 2015

31st & Prospect Development Site
Kansas City, Missouri

Figure 3
VOC Exceedances in Soil

TETRA TECH

Date: 2/23/2022 Drawn By: Nick Wiederholt Project No: 103G65210190.08.03

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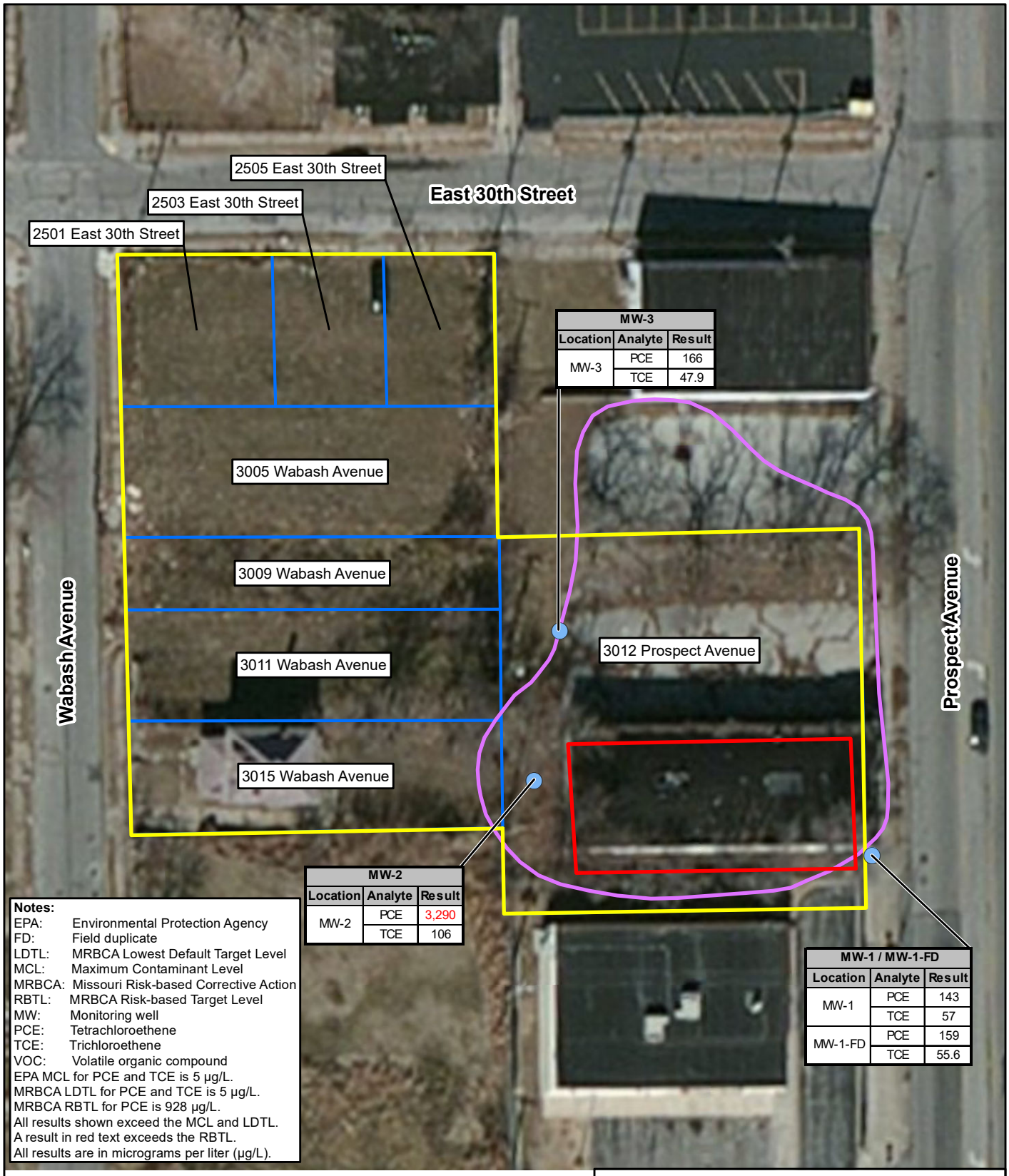

MW-3		
Location	Analyte	Result
MW-3	PCE	166
	TCE	47.9

MW-2		
Location	Analyte	Result
MW-2	PCE	3,290
	TCE	106

MW-1 / MW-1-FD		
Location	Analyte	Result
MW-1	PCE	143
	TCE	57
MW-1-FD	PCE	159
	TCE	55.6

Notes:
EPA: Environmental Protection Agency
FD: Field duplicate
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 location
- Area of soil and groundwater contamination
- Former Norge/Prospect Laundry Facility
- Site boundary
- Parcel

N

0 25 50
Feet

Source: Esri, ArcGIS Online, World Imagery (Clarity), 2015

31st & Prospect Development Site
Kansas City, Missouri

Figure 4
VOC Exceedances in Groundwater

TETRA TECH

Date: 2/23/2022 Drawn By: Nick Wiederholt Project No: 103G65210190.08.03

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APPENDIX B

PHOTOGRAPHIC DOCUMENTATION

31st and Prospect Development Site – Phase II Environmental Site Assessment (ESA)
Kansas City, Jackson County, Missouri

U.S. Environmental Protection Agency (EPA) Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the Site (3012 Prospect Avenue). The former Norge Cleaning Village (Norge facility) was located on this lot.	1
			Date
Direction: Southwest	PHOTOGRAPHER	Stephanie Caples	1/13/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the north side of the north adjacent property.	2
			Date
Direction: South	PHOTOGRAPHER	Stephanie Caples	1/14/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the back drive entrance of the north adjacent property from East 30th Street.	3
			Date
Direction: South	PHOTOGRAPHER	Stephanie Caples	1/14/20222

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the 2505, 2503, and 2501 East 30th Street properties that make up portions of the 31st and Prospect Development Site (the Site).	4
			Date
Direction: Southwest	PHOTOGRAPHER	Stephanie Caples	1/14/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the 2501 East 30th Street and 3005 and 3009 Wabash Avenue properties that make up portions of the Site.	5
			Date
Direction: West	PHOTOGRAPHER	Stephanie Caples	1/14/2022

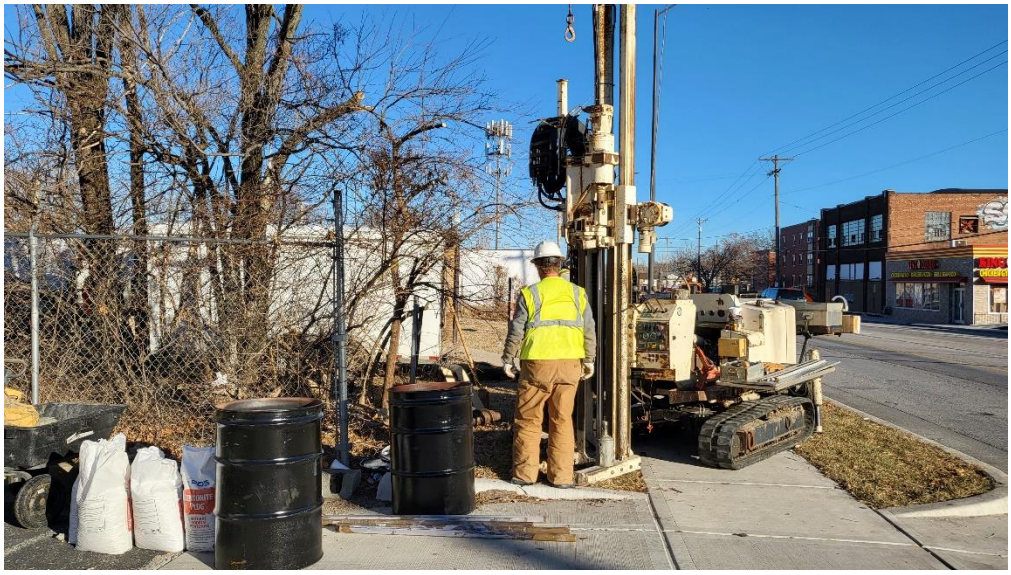
EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the 3011 Wabash Avenue property that makes up part of the Site.	6
			Date
Direction: West	PHOTOGRAPHER	Stephanie Caples	1/14/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the 3015 Wabash Avenue property that is part of the Site. This portion of the Site was the location of an encampment during fieldwork activities.	7
			Date
Direction: West	PHOTOGRAPHER	Stephanie Caples	1/14/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows part of the 3015 Wabash Avenue property (left) that is part of the Site, and a portion of the south adjacent property (right) currently undergoing construction.	8
			Date
Direction: West	PHOTOGRAPHER	Stephanie Caples	1/14/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri



EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the location of soil boring (SB), soil-gas (SG), and monitoring well (MW)-1. The driller is collecting soil cores.	9
			Date
Direction: North	PHOTOGRAPHER	Stephanie Caples	1/11/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows SB-1 soil cores from 0 to 22 feet below ground surface (bgs).	10
			Date
Direction: Not Applicable (NA)	PHOTOGRAPHER	Stephanie Caples	1/11/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the soil-gas sampling holes for SG-1 after the SG samples were collected and the boreholes were filled with bentonite	11
			Date
Direction: NA	PHOTOGRAPHER	Stephanie Caples	1/13/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the driller using a hollow stem auger (HSA) to drill out MW-1. The drums on the left were used to containerize soil investigation-derived waste (IDW) produced during the MW installation.	12
			Date
Direction: North	PHOTOGRAPHER	Stephanie Caples	1/11/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows MW-1 undergoing development by a process of surging and purging of groundwater. The groundwater was purged into the drum on the right and containerized as IDW.	13 Date
Direction: NA	PHOTOGRAPHER	Stephanie Caples	1/12/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the form for the concrete pad to be poured for MW-1 surface completion.	14 Date
Direction: NA	PHOTOGRAPHER	Stephanie Caples	1/13/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the completed MW-1 pad after it was allowed to dry overnight. Several people walked across it while it was still uncured; however, this does not impact the integrity of the surface completion.	15
			Date
Direction: NA	PHOTOGRAPHER	Stephanie Caples	1/14/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows a member of the Toeroek Team purging MW-1 and collecting measurements for stabilization parameters prior to sampling.	16
			Date
Direction: West	PHOTOGRAPHER	Reed Niemack	1/14/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows SB, SG, and MW-2 during drilling to collect soil cores prior to use of the HSA for the installation of MW-2.	17
			Date
Direction: Southwest	PHOTOGRAPHER	Stephanie Caples	1/11/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows soil cores collected from SB-2 within 0 to 25 feet bgs.	18
			Date
Direction: NA	PHOTOGRAPHER	Reed Niemack	1/11/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the soil-gas sampling holes for SG-2 after SG-2 samples were collected and the boreholes were filled with bentonite.	19
			Date
Direction: NA	PHOTOGRAPHER	Stephanie Caples	1/13/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows MW-2 undergoing development by a process of surging and purging of groundwater. The groundwater was purged into a drum and containerized as IDW.	20
			Date
Direction: NA	PHOTOGRAPHER	Reed Niemack	1/12/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows MW-2 as development progressed. The surface completion pad form has been placed to prepare for pouring of concrete for the pad.	21
			Date
Direction: Southwest	PHOTOGRAPHER	Stephanie Caples	1/13/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the completed MW-2 pad after it was allowed to dry overnight.	22
			Date
Direction: NA	PHOTOGRAPHER	Reed Niemack	1/14/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows SB, SG, and MW-3 during drilling to collect soil cores prior to use of the HSA for the installation of MW-3.	23
			Date
Direction: Northwest	PHOTOGRAPHER	Stephanie Caples	1/11/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows soil cores collected from SB-3 within 0 to 22 feet bgs.	24
			Date
Direction: NA	PHOTOGRAPHER	Reed Niemack	1/11/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the soil-gas sampling holes for SG-3 after the SG samples were collected and the boreholes were filled with bentonite.	25
			Date
Direction: NA	PHOTOGRAPHER	Stephanie Caples	1/13/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows MW-3 undergoing development by a process of surging and purging of groundwater. The groundwater was purged into a drum and containerized as IDW.	26
			Date
Direction: Northwest	PHOTOGRAPHER	Stephanie Caples	1/12/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the form for the pad to be poured for MW-1 surface completion. The measurement of one side of the concrete pad is 2.75 feet. This is the same for all poured pads on-site.	27
			Date
Direction: NA	PHOTOGRAPHER	Stephanie Caples	1/13/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the completed MW-3 pad after allowed to dry overnight.	28
			Date
Direction: NA	PHOTOGRAPHER	Reed Niemack	1/14/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows SB and SG-4 during drilling to collect soil cores.	29
			Date
Direction: Southwest	PHOTOGRAPHER	Stephanie Caples	1/11/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows soil cores collected from SB-4 within 0 to 25 feet bgs.	30
			Date
Direction: NA	PHOTOGRAPHER	Stephanie Caples	1/11/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows soil-gas sampling occurring at SG-4. The two Summa® canisters are connected to their corresponding borings.	31
			Date
Direction: NA	PHOTOGRAPHER	Stephanie Caples	1/12/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the soil-gas borings from SG-4 after they had been sampled and had been filled with bentonite.	32
			Date
Direction: NA	PHOTOGRAPHER	Stephanie Caples	1/13/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows SB and SG-5 during soil coring. The building to the left is a Rent-A-Center south of the Site.	33
			Date
Direction: West	PHOTOGRAPHER	Stephanie Caples	1/12/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the soil cores collected from SB-5 within 0 to 20 feet bgs.	34
			Date
Direction: NA	PHOTOGRAPHER	Stephanie Caples	1/12/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows SG-5 where personnel are connecting the soil-gas tubing to a vacuum and air pressure gauge to clear the tubing of ambient air and create a vacuum on the boring prior to connection of the Summa® canister for sampling.	35
			Date
Direction: Southeast	PHOTOGRAPHER	Stephanie Caples	1/12/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows collection of soil-gas sample SG-5.	36
			Date
Direction: NA	PHOTOGRAPHER	Stephanie Caples	1/12/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the soil-gas borings at SG-5 after they had been sampled and had been filled with bentonite.	37
			Date
Direction: -	PHOTOGRAPHER	Stephanie Caples	1/12/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows SB, SG-6 during soil coring. The building to the left is the Rent-A-Center south of the subject property.	38
			Date
Direction: West	PHOTOGRAPHER	Stephanie Caples	1/12/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows soil cores collected from SB-6 within 0 to 25 feet bgs.	39
			Date
Direction: -	PHOTOGRAPHER	Stephanie Caples	1/12/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows collection of soil-gas samples at SG-6.	40
			Date
Direction: East	PHOTOGRAPHER	Reed Niemack	1/12/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the soil-gas borings at SG-6 after they had been sampled and had been filled with bentonite.	41
			Date
Direction: -	PHOTOGRAPHER	Stephanie Caples	1/13/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows SB, SG-7 during soil coring. The building in the background is a multi-story apartment building north-northeast of the Site and across East 30th Street.	42
			Date
Direction: Northwest	PHOTOGRAPHER	Reed Niemack	1/13/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows soil cores collected from SB-7 within 0 to 20 feet bgs.	43
			Date
Direction: -	PHOTOGRAPHER	Stephanie Caples	1/13/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows SG-7 where personnel are connecting soil-gas tubing to a vacuum and air pressure gauge to clear the tubing of ambient air and create a vacuum on the boring prior to connection of the Summa® canister for sampling.	44
			Date
Direction: -	PHOTOGRAPHER	Reed Niemack	1/13/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the soil-gas borings from SG-7 after they had been sampled and had been filled with bentonite.	45
			Date
Direction: NA	PHOTOGRAPHER	Stephanie Caples	1/13/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows SB and SG-8. The building in the background and surrounding property is north of the Site.	46
			Date
Direction: Northwest	PHOTOGRAPHER	Stephanie Caples	1/13/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows soil cores collected from SB-8 within 0 to 24 feet bgs.	47
			Date
Direction: NA	PHOTOGRAPHER	Reed Niemack	1/13/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows collection of soil-gas samples at SG-8.	48
			Date
Direction: NA	PHOTOGRAPHER	Stephanie Caples	1/13/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the soil-gas borings from SG-8 after they had been sampled and filled with bentonite.	49
			Date
Direction: NA	PHOTOGRAPHER	Stephanie Caples	1/13/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows IDW staged for sampling and disposal. Of the seven drums total, six contained soil and one contained groundwater. Lids of the drums were labeled with contents and Toeroek Team contact information.	50
			Date
Direction: Southeast	PHOTOGRAPHER	Stephanie Caples	1/14/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows a benchmark created by the surveyor. The nearest benchmark located at the corner of 31st Street and Prospect Avenue could not be found.	51
			Date
Direction: Southeast	PHOTOGRAPHER	Stephanie Caples	1/24/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows a benchmark created by the surveyor.	52
			Date
Direction: NA	PHOTOGRAPHER	Stephanie Caples	1/24/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the surveyor sighting in the benchmark shown on Photograph 52.	53
			Date
Direction: Southeast	PHOTOGRAPHER	Stephanie Caples	1/24/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the surveyor sighting in MW-1.	54
			Date
Direction: South	PHOTOGRAPHER	Stephanie Caples	1/24/2022

31st and Prospect Development Site – Phase II ESA
Kansas City, Jackson County, Missouri

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the surveyor sighting in MW-2.	55
			Date
Direction: Southwest	PHOTOGRAPHER	Stephanie Caples	1/24/2022

EPA Task Order No. 68HE0719F0190	DESCRIPTION	This photograph shows the surveyor sighting in MW-3.	56
			Date
Direction: Northwest	PHOTOGRAPHER	Stephanie Caples	1/24/2022

APPENDIX C

LOGBOOK, SOIL BORING LOGS, AND WELL DIAGRAMS

1/11/22

Region 7 / 31st & Prospect Development
TBA

0800 Arrive onsite
0830 Safety meeting
- Toerock, TetraTech, Dakota (drillers)
0850 Drillers begin @ MW1

Walked the surrounding area to determine boring/well locations viability
* property boundary to east of Former Norge Laundry Facility is heavily vegetated/unmaintained & will have to move/adjust location of a MW to East.

0910 Boring hit refusal @ ~22'
0925 Began logging soil boring/PID/sampling
0950 Samples Taken: SB-1-(7-8)'
0950 (duplicate) SB-1-(7-8)'-FD
1010 SB-1-(21-22)'
* Drillers didn't bring enough water to hydrate bentonite for MW1 so we had to wait for them to finish before moving to MW2
1040 Moved to MW2 & started drilling

1110 Finished soil logs
1120 Samples Taken: SB-2-(19-20)'
1130 SB-2-(24-25)'
Drillers continue to work on MW2
1230 Toerock/TetraTech take lunch
Drillers do set up @ MW3 & then take lunch
1315 Drillers begin MW3
1355 Samples Taken: SB-3-(21-22)'
1400 SB-3-(4-5)'
Drillers continue to work on MW3
1430 A man named Farhan Khan
816-517-3540
approached the Toerock Team regarding the two SB locations in the North-most lot. He indicated that neither him nor his father (both owners of this lot) gave access/permission to drill here. He was cooperative & understanding. We gave him our contact info & EPA contact ~~info~~ info
1510 * Reed called Lisa Dunning (EPA) & left message
* Stephanie call Kaitlyn Mitchell to inform her as well.

1520 Drillers moved to locations SB4 and began drilling.
* Toerock Team will not plan to drill on Mr. Kahn's property until EPA approval. Toerock Team will proceed with all other remaining sampling first.
1550 Sample Taken: SB-4-(11.5-12.5)'
1600 SB-4-(23-24)
1605 Drillers packed up and gone
Toerock/TetraTech stay behind to clean up site for day
1610 Sample Taken: Field Blank-1
1615 Trip Blank-1
1635 Left Site

EOD

1/12/22

0730 Called Stephanie/TetraTech that I will be on-site later & to start w/out me
0925 Arrive on-site
Samples Collected: SB-5-(4-5)' @ 0902
SB-5-(19-20)' @ 0909
SG-5-(4.5-5)' @ 0937
· Start pressure = -30
end pressure = -6

0937 Canister #
109460 ~~109502~~ RN
Gauge #
119233 ~~109851~~ RN

1020 Start sampling SG-5-(16.5-17)' [redacted] RN
Canister #109502 Start Press: -30
Gauge #109851 End Press: -6
Drillers completing well vaults & pads @ same time as soil & soil gas sampling
* MW1, MW2, MW3
1035 Drillers begin @ SB-6
1050 Sample Taken: SG-5-(16.5-17)'
* Very slow draw *
1125 Sample Taken: SB-6-(19-20)'
1130 SB-6-(22.5-23.5)'
1145 Begin drilling for SG-1
1155 Sample Taken: Field Blank-2

Samples Taken: SG-6-(4.5-5)'
Canister 120042 Start press -30
Gauge 119224 end press -6
1141 Start Sampling
1214 End Sampling
~~1150~~ RN Development → MW2 @ ~~[illegible]~~ RN ~3 gal total
1215

Sample Taken: SG-6-(22.5-23)'
Canister 101799 Start Press -30
Gauge 109867 End Press
1218 Start Sampling
N/A End Sampling
No sample GW in tubing
1235 Development → MW2 @ ~3 gal total
- tiny bit came out
1250 Development → MW3 @ ~6 gal total
- ~1 gal came out
1310 Began Soil gas @ MW1
Sample Taken: SG-1-(7-7.5)'
Canister 101815 Start Press ~~[illegible]~~ RN -25
Gauge 109869 End Press -5
1314 Start Sampling ~~1314~~ RN
~~[illegible]~~ RN End Sampling 1350
SG-1-(21-21.5)
Canister: 101818 Start Press -28
Gauge: 102203 End Press N/A
1323 Start Sampling
1324 End Sampling

1324 No sample @ SG-1-(21-21.5) due to groundwater in hose and would be sucked into canister
*Will send canister back to lab but not for analysis
*Same case for SG-6-(22.5-23)
1340 Development → Begin @ MW1
Samples Taken SG-4-(7.5-8)
Canister 109149 Start Pres -30
Gauge 120027 End Pres -6
Start Sampling 1419
End Sampling 1448
SG-4-(22.5-23)
Canister 109961 Start Pres -29
Gauge 120022 End Pres -5
Start Sampling 1416
End Sampling 1442
1355 Development → MW1 ~6 gal total
1416 Set up Soil gas samples @ SG-4
1515 Drillers to start @ SG3
1523 Start sampling for soil gas
*Drillers to continue development @ MW1

Samples Taken: S6-3-(21.5-5)
Canister ~~119741~~ 109137 Start Pres -30
Gauge 119741 End Pres -6
Start time 1533
End time 1603

S6-3-(21.5-22)
Canister 109218 Start Pres -28
Gauge 109850 End Pres -6
Start time 1537
End time 1606

1340 Drillers to start @ S6-2
Samples Taken: S6-2-(4.5-5)
Canister 119825 Start Pres -28
Gauge 120021 End Pres -5
Start time 1619
End time 1648

~~S6-2-(19-19.5)~~
~~Canister 109965 Start Press -30~~
~~Gauge 119934 End Press~~
~~Start time 1618~~
~~End time N/A~~
~~* Did not collect due to water being sucked up the hose + into the canister~~

1620 Drillers begin to de-mob
1640 Development MW1 for last time
* total of ~29 gal

1700 Leave site

EOD

1/13

0830 Arrived on-site

* Drillers to continue development of MW2 & MW3, while other driller begins SB/SG 7 slightly south RN to property boundary due to access issues

0920 Samples Taken: Field Blank-3

0937 SB-7-(13.5-14.5)'

0940 SB-7-(19-20)'

SG-7-(16.5-17)'

Canister 109485 Start Pres -27

Gauge 109123 End Pres -6

1004 Start Time

1042 End Time

SG-7-(4.5-5)'

Canister 109481 Start Pres -30

Gauge 119944 End Pres -6

1006 Start Time

1036 End Time

1012 Began drilling @ SB/SG 8

1022 RN Development → Completed MW3

total of 1.5 gal for today

Begin to pour MW pad

1049 Samples Taken: SB-8-(19-20)'

1053 SB-8-(23-24)'

Samples Taken SG-8-(4.5-5)

Canister 119534 Start Pres -26

Gauge 109350 End Pres -4

Start Time 1129

End Time 1154

~~SG-8-(20.5-21)~~

~~Canister 109202 Start Pres -30~~

~~Gauge 119227 End Pres N/A~~

~~Start Time 1128~~

~~End Time RN N/A~~

1130 Drillers to open IDW drums (soil) for sample

1146 Sample Taken: Soil-IDW

Cancelled due to water being sucked RN into tube

1155 Lunch

1225 Drillers begin to re-do pad for MW1

1324 MW1 Pad complete

Begin to de-mob (drillers)

1340 Drillers depart site

1345 Sample: Trip Blank-2

Begin closing up and complete COCs

1410 depart site

SC to take soil gas samples to FedEx

RN to take soil samples to Pace

PID to Field E[illegible] the Rain

1/11/2022

0800 Toeroek Team tasked with the installation of 3 monitoring wells, GW sampling, soil sampling, + soil-gas sampling. Reed Niemack (Toeroek) + Robert Tiemann, Aaron Sensa, + Brendan Hays (Dakota) — SC

On-site. Weather: Sunny, high 59°F.

0830 Site safety breifing. — SC

Reed + I marking locations.

0850 Drillers set up + begining to drill at MW-1

GPS: N39.07098 W-94.55293

0914 TD: 22' bgs. Refusal. — SC

Double checked w/ drillers regarding MW installation materials. — SC

0922 Begining boring log for MW-1/SB-1. — SC

0950 Collected [SB-1-(7-8)] + a FD [SB-1-(7-8)-FD].

1010 Collected [SB-1-(21-22)].

1024 IDW staged in former Dry Cleaner lot. MW-1 not yet complete, drillers need more potable water to

hydrate bentonite. Waiting for it to arrive. Setting up for MW-2/SB-2. — SC

1040 Begining to drill MW-2/SB-2. GPS: N39.0716 W-94.55325.

1118 Begining to drill out MW.

1120 Collected sample — SC

[SB-2-(19-20)]. — SC

1130 Collected sample [SB-2-(24-25)]. Refusal at 25' bgs. — SC

1315 Drilling MW-3/SB-3. — SC

GPS: N39.07127 W-94.55333

1355 Collected sample ~~SB~~ SC — SC

[SB-3-(21-22)]. — SC

1400 Collected sample — SC

[SB-3-(4-5)]. — SC

Drilling out MW-3. — SC

1520 Drilling at SB-4. — SC

GPS: N39.07117 W-94.55296

Spoke w/ Farhan Khan 816-517-3540 about access issues in the NE lot of this block where 2 SB/SG samples are planned. He said he + his dad did not

1/11/22

consent for sampling on their property to occur. We gave him Lisa Dunning's number to clarify. He has a bad relationship w/ Sheryll Vickers, the site property owner, & thought we may be working for her. We explained we are here on behalf of KCMO / EPA & he said so long as he could clarify w/ a PM & have the opportunity to sign a consent form we could sample. We will wait to hear back from him / Lisa prior to sampling on his property. —— SC

1550 Collected sample —— SC
[SB-4-(11.5-12.5)]. —— SC

1600 Collected sample —— SC
[SB-4-(23-24)]. —— SC

1607 Wrapping up for the day to beat the sun. —— SC

(4) Field Blank-1.
FB Added to cooler. 1/11/22

1610 We have agreed to meet on-site tomorrow at 8am. All wells hydrated & capped. SB-4 plugged. —— SC

1615 End of day. —— SC
Trip blank added to cooler.

1635 Headed to lab to drop samples.

1/11/22

1/12/22

0800 Arrived on-site. Today we will complete the wells, attempt to develop the wells, complete soil sampling, to do some/all of the soil-gas sampling. Weather today: Sunny, high 60's. Same crew on-site today.

0830 Set up on SB-5. —— SC
GPS: N39.07105 W-94.55338

0902 Collected [SB-5-(4-5)]

0909 Collected [SB-5-(19-20)]

0918 Prepairing to SG sample at ~~SG~~ SC SG-5 (SB-5). We offset ≈ 2' from SB-5. Will go down to 5' bgs + 17' bgs.

0919 Canister # 109960, Gauge # 119233. Start pressure -30. —— SC

0925 Reed arrived on-site.

0937 [SG-5-(4.5-5)] Collecting.

0940 for SG-5-(16.5-17), Canister #109502, Gauge # 109851. Start pressure: -30 —— SC

1003 End time for SG-5-(4.5-5), End pressure: -6. —— SC

0955 Aaron begining to develop MW-3. DTW: 16.5' bgs, TD: 22' bgs. Water volume ~~(V~~ SC in gals is ≈ 1 gal (Gallons = Water column (ft) x 0.163 gal/ft) ~~*~~ SC —— SC

1036 Purged ≈ 5 gal so far. Recharging slow. Waiting ≈ 15 min between purge/surge. —— SC

1042 Purged only ≈ 1/4 gal. Will let well recharge for a while (≈ 1 hour) before continuing. —— SC
Setting up to develop MW-2. Begining pumping. DTW: 20.08 TOC TD: 25.29 TOC
Gals in well: ≈ 1 gal. —— SC

1045 Drilling at SB-6. —— SC
GPS: N39.07102 W-94.55321

1105 begining to surge + purge (Develop) MW-2. —— SC

1125 Collected sample [SB-6-(19-20)]

1130 Collected sample [SB-6-(22.5-23.5)]

1132 Purged MW-2 ≈ 3 gals so far.

1/12/22

1141 Begining collection of SG-6-(4.5-5). Start pressure: -30, Canister #: 120042, Regulator/Gauge #: 119224. —— SC

1214 End time. End pressure -6.

1218 Collecting SG-6-(22.5-23). Start pressure -30, Canister # 101799, Gauge# 109867.

1235 Drilling/Setting up SG Sampling at ~~MW~~ SG-1(MW-1)

1243 Approximately 3.1 gal purged from MW-2. Will let sit a while to recharge. Moving back to MW-1 to develop again. —— SC

1314 Collecting SG-1-(7-7.5) Canister# 101815, Gauge: 109869, Start pressure: -25. —— SC

1323 Collecting SG-1-(21-21.5) was unsuccessful. We could not develop a good vaccume, however we attempted to collect anyway. once canister was connected + pulling

air into it, we found water coming into the tubing. we stopped the sample before water could enter the canister.

1330 Setting up on SG-4 for SG sampling. —— SC

1331 Canceling SG-6-(22.5-23) due to water in the line.

1334 MW-1 DTW: 13.57
TD: 21.53 WL: 13.57
WC: 7.96 Gals: 1.3
Begining to develop. —— SC

1350 ~~End time~~, End Pressure -5 for SG-1-(7-7.5). —— SC

1413 We will need to redo the concrete pad + outer casing on MW-1 due to having been set incorrectly/poorly. —— SC

1416 ~~Prep~~ Collecting Sample SG-4-(22.5-23). Start pressure: -29 —— SC
Canister: 109941 —— SC
Reg: 120022 —— SC

1/12/22

1419 Collecting Sample # — SC
SG-4-(7.5-8), Start
pressure: -30 — SC
Canister #: 109149 — SC
Reg # : 120027 — SC

1438 12 gals extracted from
MW-1 so far. — SC

1442 End time, -5 End pressure
for SG-4-(21.5-23). — SC

1448 End time, End pressure: -6
For SG-4-(7.5-8). — SC
Setting up for SG sampling
at SG-3. — SC

1537 Collecting SG-3-(21.5-22)
Start pressure: -28
Canister: 109218
Regulator: 109850

1533 Collecting SG-3-(4.5-5)
Start pressure: -30
Canister: 109137
Regulator: 119741

1534 ~~SG-3-(21.5-22) cancelled.~~
~~Could not get a good~~
SC ~~vacuum due to water.~~
Setting up on SG-2
for soil gas sampling.

1603 End time, End pressure: -6
for SG-3-(4.5-5). — SC

1606 End time, End pressure: -6
for SG-3-(21.5-22). — SC

1616 Collecting SG-2-(19-15.5)
Start pressure: -30
Canister #: ~~119433~~ SC 109965
Regulator #: 119934
Canceled due to water
in line. — SC

1619 Collecting SG-2-(4.5-5)
Start pressure: -28
Canister #: 119825
Regulator #: 120021

1643 Finished purging /
development of MW-1,
Total Gals purged: 29
Total time: 2 hours.
Little to no sediment.

1648 End time, End pressure: -5
for SG-2-(4.5-5). — SC

1700 Will meet on-site — SC
tomorrow at 0830. — SC
End of day — SC

1/13/22

0830 Arrived on site. Aaron is not here today. We will complete the MWs, sample GW, & do the last two SB/SG locations on the subject property since we still haven't heard back from Farham.

0845 Weather: Sunny, high of 40°

0900 Purging MW-3. Purged ~0.25 gals. Dry. Will wait 15 min to purge again. Setting up on MW-2 to develop. — SC

0909 Setting up on SB/SG-7. GPS: N39.07128 W-94.5532l Begining to develop MW-2 again. Both MW-2 + MW-3 need 45 min more of development. — SC

0937 Collected SB-7-(13.5-14.5).

0940 Collected SB-7-(19-20).

0946 Preparing to SG sample at SG-7. — SC

1004 Collecting SG-7-(16.5-17)
Start pressure: -27 — SC

Canister #: 109485
Regulator #: 109123

1006 Collecting SG-7-(4.5-5)
Start pressure: -30
Canister #: 109981
Regulator #: 119944

1011 Set up on SB-8. — SC
GPS: N39.07128 W-94.5530le

1022 Begining to pour the pad for MW-3. Well development complete. Purged a total of 1.5 gal today. — SC

1049 Collected SB-8-(19-20).

1053 Collected SB-8-(23-24).
Setting up for SG sampling.

1055 ~~[illegible]~~ SC MW-2 is finished developing. Produced an additional 3 gals today. Preparing to pour pad.

1126 Collecting SG-8-(20.5-21)
Start Pressure: -30
Canister: 109202
Regulator: 119227

1129 Collecting SG-8-(4.5-5)
Start Pressure: -26
Canister: 119834 Reg: 109350

Rain

1/13/22

1132 preparing to collect a composite Soil IDW Sample.

1134 Canceled SG-8-(20.5-21) due to water coming up the tubing. ——— SC

1154 End time, End pressure: -4 for SG-8-(4.5-5). Drillers headed to get more concrete for MW-1. Taking Lunch. ——— SC

1225 Removing the pad & outer casing from MW-1.

1324 MW-1 pad & outer casing complete. ——— SC

1330 All tubing removed & all borings sealed w/ bentonite from bottom of hole to ground surface. All IDW closed securly. All well vault lids tightened.

1340 Dakota Tech departed Site. ——— SC

1345 Added Trip Blank-2 to cooler. ——— SC

1411 All summas & soil samples ready to be sent to lab.

Reed dropping off samples at Pace & returning the PID to Field Environmental. I will take the summas to fedex to be shipped to ALS. We will meet on-site tomorrow at 0800 to sample the 3 MWs. End of day. ——— SC

1/13/22

1/14/22

0850 On-Site. Weather: Cloudy, High of 45°F. We will (Reed & myself) gauge the wells & sample them today. — SC

0859 It would appear as though several people stepped on the MW-1 concrete pad before it was fully dried. It appears to be unharmed overall, & only has surface damage (shoe prints).

0948 19.30 depth to GW btoc MW3
21.3 total depth btoc
1 well volume = (21.3 - 19.3) 0.163 = 0.3 gal

0952 Began bailing MW3

1008 1st well volume @ MW3
Temp °C 12.31 ORPmV 172
pH 5.61 DO mg/L 0.0
Spec Cond 1.87 ms/cm Turb. 1000+ NTU

1022 2nd well volume @ MW3
Temp °C 11.41 ORP 212
pH 7.94 DO mg/L 0.0
Spec Cond 1.90 Turb 1000+ NTU

3rd well volume @ MW3 1/14/22
Temp °C ORPmV
pH DO mg/L
Spec Cond ms/cm Turb NTU SC

1033 Leave MW3 to let recharge & start on MW2
depth to GW 18.75 btoc
total depth 24.75 btoc
1 well volume = 0.978 gal

1040 Rinsate Blank collected

1050 Field Blank - 4 collected

1059 1st well volume @ MW2
Temp °C 13.56 ORPmV 213
pH 7.56 DO mg/L 0.0
Spec Cond 1.41 ms/cm Turb 1000+ NTU

1106 2nd well volume @ MW2
Temp °C 14.40 ORPmV 210
pH 7.57 DO mg/L 0.0
Spec Cond 1.40 ms/cm Turb 1000+ NTU

1110 3rd well volume @ MW2
Temp °C 14.24 ORPmV 213
pH 7.57 DO mg/L 0.0
Spec Cond 1.41 ms/cm Turb 1000+ NTU

1115 Sample Taken: MW-2 groundwater

1125 Checked GW @ MW3. Still not enough to purge. Moved to MW1.

1/14/07

Depth to GW 13.90 btoc
total depth 22.00 btoc

1132 began bailing
1 well volume = 1.320 gal
Temp °C 16.42 ORP mV 238
pH 7.46 DO mg/L 0.0
Spec Cond 2.60 mS/cm Turb 1000+ NTU

1135 1st well volume

1138 2nd well volume
Temp °C 16.75 ORP mV 234
pH ~~7.46~~ 7.26 DO mg/L 0.0
Spec Cond ~~2.60~~ 2.65 mS/cm Turb 1000+ NTU

1141 3rd well volume
Temp °C 16.61 ORP mV 227
pH 7.20 DO mg/L 0.0
Spec Cond 2.67 mS/cm Turb 1000+ NTU

1148 4th well volume
Temp °C 16.25 ORP mV 191
pH 7.06 DO mg/L 0.0
Spec Cond 2.67 mS/cm Turb 670 NTU

1155 5th well volume
Temp °C 16.39 ORP mV 187
pH 7.05 DO mg/L 0.0
Spec Cond 2.62 mS/cm Turb 835 NTU

1158 6th well volume
Temp °C 16.41 ORP mV 197
pH 7.08 DO mg/L 0.0
Spec Cond 2.64 mS/cm Turb 827 NTU

1204 7th well volume
Temp °C 16.69 ORP mV 206
pH 7.08 DO mg/L 0.0
Spec Cond 2.66 mS/cm Turb 810 NTU

1212 Sample Taken: MW-1
Field Duplicate MW-1-FD

1222 Moved back to MW3 & took sample MW-3 → 2 VOAs
* Took sample prior to 3rd reading of parameters due to insufficient GW volume & prioritize sampling vs parameter readings
* Only able to ~~sampt~~ fill 2 VOAs for the sample

1238 Sample Taken: Groundwater - IDW
1240 Added: Trip Blank-3. — SC
All IDW drums labled & sealed. Total drums: 7. Soil: 6 Water: 1.

1307 Departing site to drop off samples / equipment. All wells securely closed.
End of day

1/24/22

0900 On-site to perform surveying of MWs. Weather: 50°F, overcast. Personel on-site: Stephanie Cuples, Nathan Edwards (BHC Phoenix), Frank B. (BHC) Baker. ——— SC

0915 No benchmark available (one was located at 31st & Prospect intersection but must have been removed at some point because it could not be found). A bench mark ~~was~~ has been established near the curb on 31st street near MW-1. 0.6 ft on the sidewalk west of edge & 21.75 ft North of the corner of sidewalk / curb / driveway east of MW-1.

0929 Elevation & GPS established on each well from notched N-side of inner casing, top of casing (closed well), around the sides of the concrete pads in corners, & on the ground surface due north of the inner casing notch. ——— SC

0932 All the wells & IDW drums appear to be in good condition & look like they have not been tampered with.

0945 Exact elevations collected for top of casing (inner) for all 3 wells. ——— SC

1002 All MWs bolted & resecured. ——— SC

1015 BHC prepared a figure with distances to easily identifiable landmarks.

1020 Departed site. ——— SC

End of day. ——— SC

SC 1/24/22

EXHIBIT

MONITORING WELL LOCATIONS

3012 PROSPECT AVENUE

KANSAS CITY, JACKSON COUNTY, MISSOURI

GRAPHIC SCALE

0 15 30

1 inch = 30 feet

LEGEND

MW	Monitoring Well
	Benchmark
N	Northing
E	Easting
ELEV	Lid Elevation
TCE	Top of Casing Elevation

GENERAL NOTES

1. Northing and Easting shown are referenced to the Missouri State Plane Coordinate System, West Zone (NAD83)
2. Vertical datum used: NAVD88

Sheet: 1 OF 1	Drawn By: CRM	Project No: 032720	Field Date: 01/24/2022	Issue Date: 01/25/2022	Project: EXHIBIT MONITORING WELL LOCATIONS 3012 PROSPECT AVENUE KANSAS CITY JACKSON COUNTY, MISSOURI	Client: TETRA TECH 415 OAK STREET KANSAS CITY, MO 64106

BHC
CIVIL ENGINEERING / SURVEYING / UTILITIES
712 State Avenue, Kansas City, KS 66101
Phone: (913) 371-5300

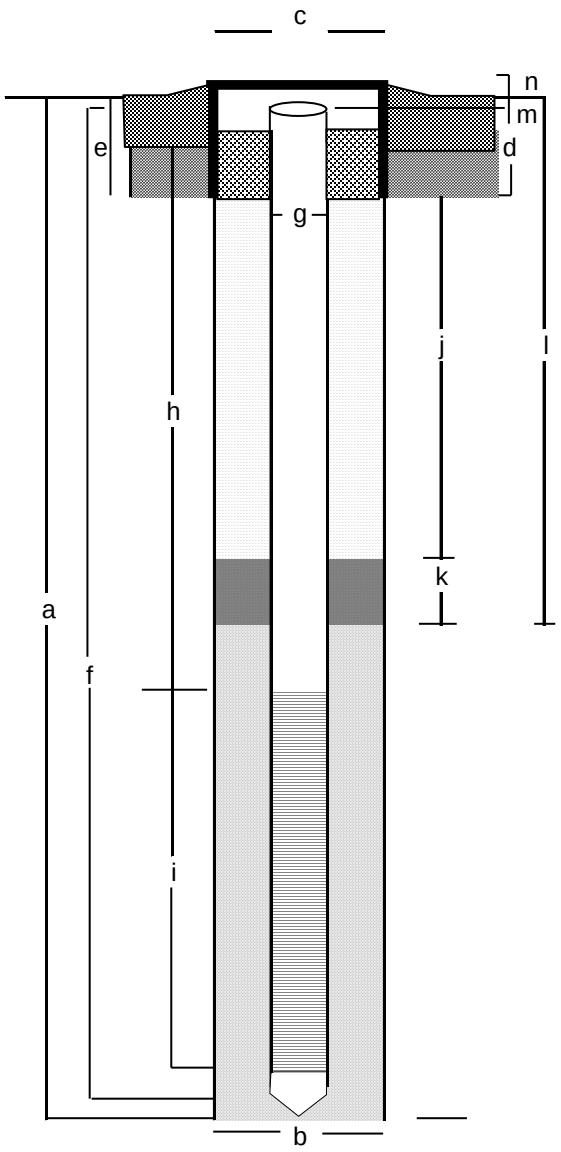
Rev.	Date	Description

Jan 26, 2022 - 7:28am Plotted by: corey.mcmillen I:\032720.00.01 31st and Prospect Mon Wells\DWG\Survey\032720_MONITORING_WELLS.dwg

Monitoring Well No.	Mo. State Plane West Zone NAD83/2011 Epoch 2010 US Feet Northing (U.S. Feet)	Easting (U.S. Feet)	NAVD 88 Ground Elevation	NAVD 88 Top PVC Casing Elevation
MW01	1057518.01	2773687.09	985.29	984.84
MW02	1057562.54	2773580.74	984.42	984.05
MW03	1057621.82	2773582.76	983.27	982.89

Tetra Tech Monitoring Well Construction Log

Project Name:	31st and Prospect Development Site	Well No:	MW-1	Date:	1/11/2022
Project No:	103G65210190.08.03	Drilling Method:	Hollow stem aguer (HSA)		
Geologist:	Stephanie Caples	GPS:	N 39.0709975 W-94.5529092		



a. Total Boring Depth: 21.50 feet (') below ground surface (bgs)

b. Boring Diameter: 8.25 inches (")

c. Diameter of Protective Casing: 7"

d. Length of Protective Casing: 10"
Type of Protective Casing: Cast iron and sheet metal

e. Appx. Top of Annular Seal: From groundsurface (gs) to about 1"-3" bgs
Type of Seal Used: Concrete mix

Surface Casing Length/Diameter: 2.75'
Type of Surface Casing: Concrete pad
Secondary Casing Length/Diam.: NA

Depth of Centralizer(s) if any: NA
Type of Centralizer(s): NA

f. Total Riser Casing Length: 21.25'
Length of Sediment Sump: 2.25"
Casing Type: Schedule 40 PVC

g. Inner Diameter (ID): 2"

h. Depth to Screen: 11.25'

i. Screen Length: 10'
Screen Interval: 11.25'-21.25' bgs
Screen/Slot Type: 0.10" slot, 40 PVC, 2" ID

j. Top of Bentonite Seal: 9.25' bgs to gs

k. Thickness of Seal: 9.25'
Type of Seal Material: Medium bentonite chips

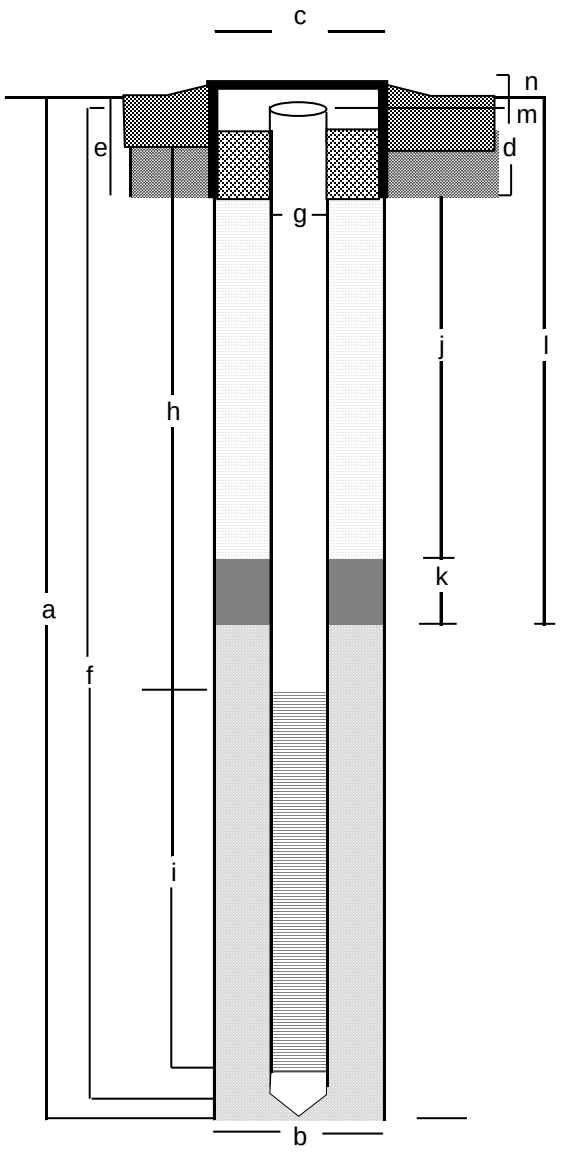
l. Depth to Top of Filter Pack: 8'
Type of Filter Pack: 12-20 sand

m. Elevation of T/Casing: 984.84' above mean sea level (amsl)

n. Surface Elevation: 985.29' amsl

Tetra Tech Monitoring Well Construction Log

Project Name:	31st and Prospect Development Site	Well No:	MW-2	Date:	1/11/2022
Project No:	103G65210190.08.03	Drilling Method:	Hollow stem aguer (HSA)		
Geologist:	Stephanie Caples	GPS:	N 39.0711196 W-94.5532839		



a. Total Boring Depth: 25.25 feet (') below ground surface (bgs)

b. Boring Diameter: 8.25 inches (")

c. Diameter of Protective Casing: 7"

d. Length of Protective Casing: 10"
Type of Protective Casing: Cast iron and sheet metal

e. Appx. Top of Annular Seal: From groundsurface (gs) to about 1"-2" bgs
Type of Seal Used: Concrete mix

Surface Casing Length/Diameter: 2.75'
Type of Surface Casing: Concrete pad
Secondary Casing Length/Diam.: NA

Depth of Centralizer(s) if any: NA
Type of Centralizer(s): NA

f. Total Riser Casing Length: 25'
Length of Sediment Sump: 2.25"
Casing Type: Schedule 40 PVC

g. Inner Diameter (ID): 2"

h. Depth to Screen: 15'

i. Screen Length: 10'
Screen Interval: 15'-25' bgs
Screen/Slot Type: 0.10" slot, 40 PVC, 2" ID

j. Top of Bentonite Seal: 15' bgs to gs

k. Thickness of Seal: 15'
Type of Seal Material: Medium bentonite chips

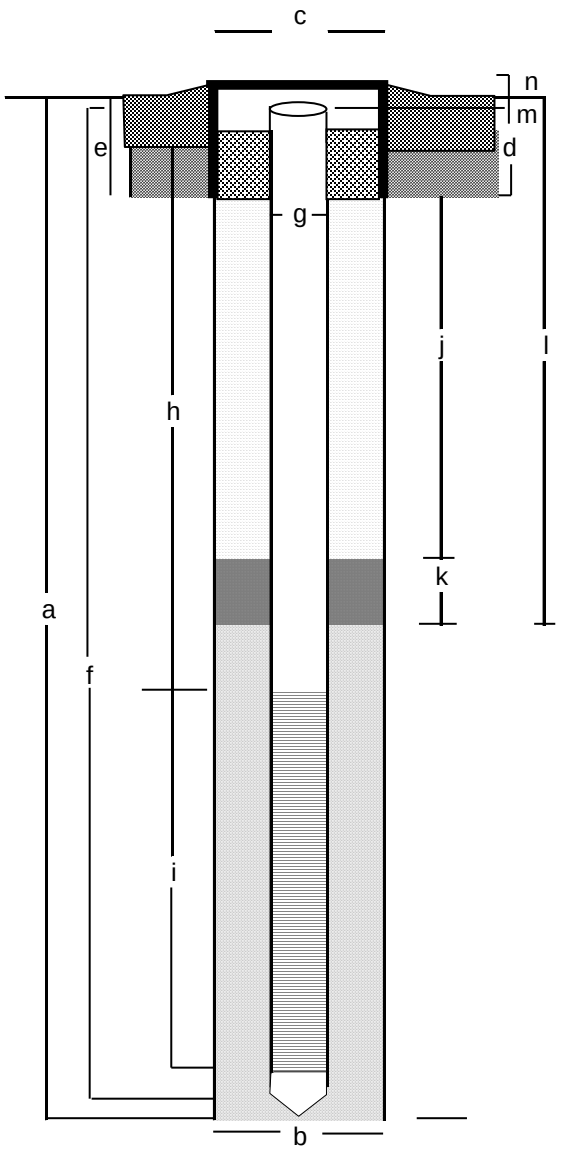
l. Depth to Top of Filter Pack: 15'
Type of Filter Pack: 12-20 sand

m. Elevation of T/Casing: 984.05' above mean sea level (amsl)

n. Surface Elevation: 984.42' amsl

Tetra Tech Monitoring Well Construction Log

Project Name:	31st and Prospect Development Site	Well No:	MW-3	Date:	1/11/2022
Project No:	103G65210190.08.03	Drilling Method:	Hollow stem aguer (HSA)		
Geologist:	Stephanie Caples	GPS:	N 39.0712824 W-94.5532769		



a. Total Boring Depth: 22 feet (') below ground surface (bgs)

b. Boring Diameter: 8.25 inches (")

c. Diameter of Protective Casing: 7"

d. Length of Protective Casing: 10"
Type of Protective Casing: Cast iron and sheet metal

e. Appx. Top of Annular Seal: From groundsurface (gs) to about 1"-3" bgs
Type of Seal Used: Concrete mix

Surface Casing Length/Diameter: 2.75'
Type of Surface Casing: Concrete pad
Secondary Casing Length/Diam.: NA

Depth of Centralizer(s) if any: NA
Type of Centralizer(s): NA

f. Total Riser Casing Length: 21.75'
Length of Sediment Sump: 2.25"
Casing Type: Schedule 40 PVC

g. Inner Diameter (ID): 2"

h. Depth to Screen: 11.75'

i. Screen Length: 10'
Screen Interval: 11.75'-21.75' bgs
Screen/Slot Type: 0.10" slot, 40 PVC, 2" ID

j. Top of Bentonite Seal: 9.75' bgs to gs

k. Thickness of Seal: 9.75'
Type of Seal Material: Medium bentonite chips

l. Depth to Top of Filter Pack: 10'
Type of Filter Pack: 12-20 sand

m. Elevation of T/Casing: 982.98' above mean sea level (amsl)

n. Surface Elevation: 983.27' amsl

Boring Log Form

Site Name: 31st and Prospect Development Site **Boring Number:** SB-1

Date Drilled (Start/Finish): 1/11/2022

Drilling Method: Direct Push Technology (DPT)

Drilling Company: Dakota Technologies

Elevation: **Total Depth:** 22 feet (') below ground surface (bgs)

Coordinates: N 39.07098 W-94.55293

Depth to Water: **Geologist:** Stephanie Caples

Project Number: 103G65210190.08.03 **Weather:** Sunny, 50°F, light wind

Sample Interval	Interval	Soil Recv.	PID Reading (ppm)	Depth (Feet)	Identified Analytes	Lithology	Graphic Log	Description and Remarks
	0-5	70%	0					Topsoil to about 1 foot bgs, concrete underneath for about another inch.
			0			CL / CH		At 1.1' bgs: Clay and Silt: Medium-brown, moist, moderately stiff, plastic, no odor.
			0					
			0					
			0	5				
	5-10	100%	0					
			7.3		low levels of fuel compounds			
			2.9					At 7' bgs: As above: Gray/green-gray and some medium-brown, strong chemical odor. Strong chemical odor continues to about 10' bgs.
			0.2					
			0	10				
	10-15	100%	0.9					
			0.1					
			0					At 13' bgs: Clay and Silt: Medium-brown and slightly gray, moist, stiff, very plastic, no odor.
			0					
			0	15				At 15' bgs: As above: Soft to moderately stiff, plastic, light chemical odor.
	15-20	1000%	0.6					
			0					At 16.5' bgs: As above: Stiff, very plastic.
			0					
			0					At 20' bgs: Clay and Silt: Medium-brown with some gray, moist, soft, plastic, no odor.
			0	20				
	20-22	250%	0.1		Low Levels of fuel compounds and chlorinated			
			0			SM / ML		At 22' bgs: Silt and Sand: Orange-brown, wet, soft, not plastic. Sand is very fine.
				25				
				30				

Boring Log Form

Site Name: 31st and Prospect Development Site **Boring Number:** SB-2

Date Drilled (Start/Finish): 1/11/2022

Drilling Method: Direct Push Technology (DPT)

Drilling Company: Dakota Technologies

Elevation: **Total Depth:** 25 feet (') below ground surface (bgs)

Coordinates: N 39.07116 W-94.55325

Depth to Water: **Geologist:** Stephanie Caples

Project Number: 103G65210190.08.03 **Weather:** Sunny, 55°F

Sample Interval	Interval	Soil Recv.	PID Reading (ppm)	Depth (Feet)	Primary Identified Analytes	Lithology	Graphic Log	Description and Remarks
	0-5	20%	0 0 0 0 0	5				Topsoil to about 1 foot bgs followed by concrete, sand pack, and filler clay to about 5'bgs. Sand and brick-like fill to about 6' bgs.
	5-10	100%	0.1 0.2 3.3 3.3 3.7	10		CL / CH		At 6' bgs: Clay and Silt: Medium-brown grading to medium-brown/gray with depth, moist, moderately stiff to stiff, plastic, no odor. At 10' bgs: Clay and Silt: Light-brown and gray, moist, stiff, plastic to very plastic, no odor.
	10-15	100%	2.6 0.1 1.4 1.1 0.4	15				
	15-20	1000%	0.8 0.3 0.6 0.7 7.5	20	PCE: 626 µg/kg TCE: 4.6 µg/kg	SM / ML		At 19' bgs: Sand and Silt: Orange-brown/brick-red with some black, moist, dense/stiff, not plastic, no odor. Sand is fine and very fine.
	20-25	100%	0 0 0.9 3.4 3.9	25	PCE: 1,140 µg/kg TCE: 2.5 µg/kg	CL / CH		At 20' bgs: Clay and Silt: Medium-brown, saturated, moderately stiff. At 22' bgs: As above: Higher silt content, soft. Soupy consistency. At 23.5' bgs: As above: Higher clay content, wet, moderately stiff.
						Shale		At 24' bgs: Shale: Medium-brown, moist, hard to extremely hard, fissile.
				30				

Boring Log Form

Site Name: 31st and Prospect Development Site **Boring Number:** SB-3

Date Drilled (Start/Finish): 1/11/2022

Drilling Method: Direct Push Technology (DPT)

Drilling Company: Dakota Technologies

Elevation: **Total Depth:** 22 feet (') below ground surface (bgs)

Coordinates: N 39.07127 W-94.55333

Depth to Water: **Geologist:** Stephanie Caples

Project Number: 103G65210190.08.03 **Weather:** Sunny, 55°F

Sample Interval	Interval	Soil Recv.	PID Reading (ppm)	Depth (Feet)	Identified Analytes	Lithology	Graphic Log	Description and Remarks
	0-5	100%	0 0 0 0 0	5	Non Detect			Gravel, asphalt, and sand fill to about 2.5' bgs.
	5-10	100%	0 0 0 0 0.1	10		CL / CH		At 2.5' bgs: Clay and Silt: Medium-brown and gray, moist, stiff, plastic. At 5' bgs: As above: Less gray, moderately stiff.
	10-15	100%	0 0.2 0 0.1 0.1	15				
	15-20	1000%	0 0 0 1.2 18.7	20		SM / ML		At 18.5' bgs: Sand, Silt, and Clay: Medium-brown with a little gray, moist, moderately soft, moderately dense, not plastic. Sand is very fine.
	20-22	100%	53.2 350	25	Low levels of fuel compounds and chlorinated solvents	Shale		At 20' bgs: Shale: Medium-brown/gray, dry, hard to extremely hard, fissile. At 22' bgs: As above: Very strong chemical odor.
				30				

Boring Log Form

Site Name: 31st and Prospect Development Site **Boring Number:** SB-4

Date Drilled (Start/Finish): 1/11/2022

Drilling Method: Direct Push Technology (DPT)

Drilling Company: Dakota Technologies

Elevation: **Total Depth:** 25 feet (') below ground surface (bgs)

Coordinates: N 39.07117 W-94.55216

Depth to Water: **Geologist:** Stephanie Caples

Project Number: 103G65210190.08.03 **Weather:** Sunny, 56°F

Sample Interval	Interval	Soil Recv.	PID Reading (ppm)	Depth (Feet)	Primary Identified Analytes	Lithology	Graphic Log	Description and Remarks
			0					Topsoil, gravel, and concrete to about 1' bgs.
	0-5	90%	0			CL / CH		At 1' bgs: Clay and Silt: Medium-brown, moist, stiff grading to moderately stiff with depth, plastic.
			0					
			0					
			0					
			0.1	5				At 5' bgs: As above: Medium-brown and gray, moderately stiff.
	5-10	100%	0.2					
			2.4					
			10.1					
			9.3					
			18	10	*cis* -1,2-DCE: 113 µg/kg PCE: 10,100 µg/kg TCE: 3,640 µg/kg			At 10' bgs: As above: Stiff. No odor.
	10-15	100%	8.5					
			38.1					
			15.3					
			3.8					
			9.8	15				
	15-20	1000%	0					
			0					
			0					
			0.1					
			0	20				
	20-25	100%	0		Low levels of fuel compounds and chlorinated solvents			
			0					
			0.9					
			0					
			0	25		Shale		At 24' bgs: Shale: Medium-brown with some gray, dry to moist, hard to extremely hard, not plastic, fissile.
				30				

Boring Log Form

Site Name: 31st and Prospect Development Site **Boring Number:** SB-5

Date Drilled (Start/Finish): 1/12/2022

Drilling Method: Direct Push Technology (DPT)

Drilling Company: Dakota Technologies

Elevation:

Total Depth: 20 feet (') below ground surface (bgs)

Coordinates: N 39.07105 W-94.55338

Depth to Water:

Geologist: Stephanie Caples

Project Number: 103G65210190.08.03

Weather: Overcast, 37°F

Sample Interval	Interval	Soil Recv.	PID Reading (ppm)	Depth (Feet)	Primary Identified Analytes	Lithology	Graphic Log	Description and Remarks
	0-5	100%	0 0 0 0 0	5	Acetone 2-butanone and low levels of fuel compounds and chlorinated solvents	CL / CH		Clay and Silt: Medium-brown, moist, stiff, not plastic. At 2' bgs: As above: Some chunks of concrete and asphalt-like material present to about 5' bgs. At 5' bgs: Clay and Silt: Medium-brown with gray, more moist, moderately stiff, plastic.
	5-10	100%	0 0 0 0 0	10				At 10' bgs: As above: less moist, stiff.
	10-15	100%	0 0 0 0 0	15				
	15-20	1000%	0 0.1 0.1 0.1 0.1	20	Low levels of chlorinated solvents	SM / ML Shale		At 18' bgs: Sand and Silt and a little Clay: Orange/Medium-brown, wet, soft to moderately stiff, loose to moderately dense. At 18.5' bgs: Shale: Medium-brown with some orange, moist, hard to extremely hard, not plastic, fissile.
				25				
				30				

Boring Log Form

Site Name: 31st and Prospect Development Site **Boring Number:** SB-6

Date Drilled (Start/Finish): 1/12/2022

Drilling Method: Direct Push Technology (DPT)

Drilling Company: Dakota Technologies

Elevation: **Total Depth:** 25 feet (') below ground surface (bgs)

Coordinates: N 39.07102 W-94.55321

Depth to Water: **Geologist:** Stephanie Caples

Project Number: 103G65210190.08.03 **Weather:** Overcast, 37°F

Sample Interval	Interval	Soil Recv.	PID Reading (ppm)	Depth (Feet)	Identified Analytes	Lithology	Graphic Log	Description and Remarks
	0-5	100%	0.1			CL / CH		Clay and Silt: Medium-brown, moist, moderately stiff to stiff, plastic.
			0.1					
			0.1					
			0.3					
			0.8	5				At 5' bgs: As above: Grades to medium-brown and gray with depth, grades to moderately stiff with depth.
	5-10	100%	0					
			0					
			0					
			0.1					
			0.1	10				At 10' bgs: As above: Stiff.
	10-15	100%	0.2					
			0					
			0					
			0					
			0.2	15				
	15-20	1000%	0.1					
			0.1					
			0					
			0					
			13	20	Non Detect			
	20-25	100%	0					
			0.5					At 22' bgs: As above: Soft.
			15.4			SM / ML		At 22.5' bgs: Sand and Silt: Gray, moist, moderately stiff, moderately dense.
			0.7		Non Detect			
			0.6	25		Shale		At 23.5' bgs: Shale: Medium-brown, moist, hard to extremely hard, not plastic, fissile.
				30				

Boring Log Form

Site Name: 31st and Prospect Development Site **Boring Number:** SB-7

Date Drilled (Start/Finish): 1/13/2022

Drilling Method: Direct Push Technology (DPT)

Drilling Company: Dakota Technologies

Elevation: **Total Depth:** 20 feet (') below ground surface (bgs)

Coordinates: N 39.07128 W-94.55321

Depth to Water: **Geologist:** Stephanie Caples

Project Number: 103G65210190.08.03 **Weather:** Sunny, 45°F

Sample Interval	Interval	Soil Recv.	PID Reading (ppm)	Depth (Feet)	Primary Identified Analytes	Lithology	Graphic Log	Description and Remarks
	0-5	100%	0 0 0 0 0	5		CL / CH		Clay and Silt: Dark-brown/black grading to medium-brown with depth, moist, moderately stiff to stiff, plastic. At 5' bgs: As above: Medium-brown and gray.
	5-10	100%	0 0 0 0 0	10	PCE: 2,470 µg/kg TCE: 961 µg/kg and low levels of fuel related compounds and chlorinated solvent breakdown products			
	10-15	100%	0.2 0.6 4.8 7.1 4.9	15				At 13' bgs: As above: From 13' to 15' bgs a light to moderate chemical odor is present.
	15-20	1000%	2.3 3.6 0.8 168.8 91.1	20	PCE: 371 µg/kg TCE: 149 µg/kg and low levels of acetone, fuel related compounds, and chlorinated solvent breakdown products	SM / ML Shale		At 18' bgs: Sand and Silt: Gray and orange-brown, moist, moderately stiff, moderately dense, very strong chemical At 20' bgs: Shale: Medium-brown, moist, hard to extremely hard, not plastic, fissile.
				25				
				30				

Boring Log Form

Site Name: 31st and Prospect Development Site **Boring Number:** SB-8

Date Drilled (Start/Finish): 1/13/2022

Drilling Method: Direct Push Technology (DPT)

Drilling Company: Dakota Technologies

Elevation: **Total Depth:** 24 feet (') below ground surface (bgs)

Coordinates: N 39.07128 W-94.55306

Depth to Water: **Geologist:** Stephanie Caples

Project Number: 103G65210190.08.03 **Weather:** Sunny, 55°F

Sample Interval	Interval	Soil Recv.	PID Reading (ppm)	Depth (Feet)	Primary Identified Analytes (µg/kg)	Lithology	Graphic Log	Description and Remarks
	0-5	100%	0 0 0 0 0	5		CL / CH		Clay and Silt: Dark-brown/black grading to medium-brown with depth, moist, moderately stiff to stiff, plastic. At 5' bgs: As above: Medium-brown and gray.
	5-10	100%	0 0 0 0 0.2	10	Benzene: 66,300 Chloroform: 383 1,2-dichloropropane 1,430 Naphthalene: 14,000 Toluene: 50,400 TCE: 214 1,2,4-Trimethylbenzene: 42,600 1,3,5-Trimethylbenzene: 13,700 Xylene: 103,000			At 10' bgs: As above: More gray and very little medium-brown.
	10-15	100%	0 0 0 0 1	15				At 15' bgs: As above: Light chemical odor is present to 19' bgs.
	15-20	1000%	31.3 3.8 10.9 232.4 408.4	20				
	20-24	50%	120.9 79.6 76.6 77.7			SM / ML		At 19.5' bgs: Sand and Silt: Orange and dark-brown, moist, moderately stiff, moderately dense, very strong chemical odor. Sand is very fine. At 20' bgs: As above: Saturated.
				25	Benzene: 17,300 and low levels of acetone, fuel related compounds, and chlorinated solvent breakdown products	Shale		At 23' bgs: Shale: Medium-brown and a little gray, moist, hard to extremely hard, not plastic, fissile.
				30				

APPENDIX D

ANALYTICAL DATA PACKAGES AND DATA VALIDATION REPORTS

28-Jan-2022

Stephanie Caples
Tetra Tech
415 Oak Street
Kansas City, MO 64106

Re: **31st & Prospect Development** Work Order: **22010475**

Dear Stephanie,

ALS Environmental received 12 samples on 17-Jan-2022 11:46 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 61.

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

Sincerely,

Danielle Strasinger

Electronically approved by: Danielle Strasinger

Danielle Strasinger
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 28-Jan-22

Client: Tetra Tech
Project: 31st & Prospect Development
Work Order: **22010475**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
22010475-01	SG-5-(4.5-5)	Air		1/12/2022 09:37	1/17/2022 11:46	☐
22010475-02	SG-5-(16.5-17)	Air		1/12/2022 10:20	1/17/2022 11:46	☐
22010475-03	SG-6-(4.5-5)	Air		1/12/2022 11:41	1/17/2022 11:46	☐
22010475-04	SG-1-(7-7.5)	Air		1/12/2022 13:14	1/17/2022 11:46	☐
22010475-05	SG-4-(7.5-8)	Air		1/12/2022 14:19	1/17/2022 11:46	☐
22010475-06	SG-4-(22.5-23)	Air		1/12/2022 14:16	1/17/2022 11:46	☐
22010475-07	SG-3-(4.5-5)	Air		1/12/2022 15:33	1/17/2022 11:46	☐
22010475-08	SG-3-(21.5-22)	Air		1/12/2022 15:37	1/17/2022 11:46	☐
22010475-09	SG-2-(4.5-5)	Air		1/12/2022 16:19	1/17/2022 11:46	☐
22010475-10	SG-7-(16.5-17)	Air		1/13/2022 10:04	1/17/2022 11:46	☐
22010475-11	SG-7(4.5-5)	Air		1/13/2022 10:06	1/17/2022 11:46	☐
22010475-12	SG-8-(4.5-5)	Air		1/13/2022 11:29	1/17/2022 11:46	☐

ALS Environmental

Date: 28-Jan-22

Client: Tetra Tech
Project: 31st & Prospect Development
Work Order: 22010475

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ALS is an EPA recognized NLLAP laboratory for lead paint, soil, and dust wipe analyses under its AIHA-LAP accreditation.

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-5-(4.5-5)
Collection Date: 1/12/2022 09:37 AM

Work Order: 22010475
Lab ID: 22010475-01
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		0.50	ppbv	1	1/25/2022 01:12 AM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	1/25/2022 01:12 AM
1,1,2-Trichloroethane	ND		0.20	ppbv	1	1/25/2022 01:12 AM
1,1-Dichloroethane	ND		0.50	ppbv	1	1/25/2022 01:12 AM
1,1-Dichloroethene	ND		0.50	ppbv	1	1/25/2022 01:12 AM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	1/25/2022 01:12 AM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	1/25/2022 01:12 AM
1,2-Dibromoethane	ND		0.20	ppbv	1	1/25/2022 01:12 AM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	1/25/2022 01:12 AM
1,2-Dichloroethane	ND		0.20	ppbv	1	1/25/2022 01:12 AM
1,2-Dichloropropane	ND		0.50	ppbv	1	1/25/2022 01:12 AM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	1/25/2022 01:12 AM
1,3-Butadiene	**0.51**		**0.20**	**ppbv**	1	1/25/2022 01:12 AM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	1/25/2022 01:12 AM
1,4-Dichlorobenzene	ND		0.20	ppbv	1	1/25/2022 01:12 AM
1,4-Dioxane	ND		1.0	ppbv	1	1/25/2022 01:12 AM
2-Butanone	ND		1.0	ppbv	1	1/25/2022 01:12 AM
2-Hexanone	ND		1.0	ppbv	1	1/25/2022 01:12 AM
2-Propanol	ND		1.0	ppbv	1	1/25/2022 01:12 AM
4-Ethyltoluene	ND		0.50	ppbv	1	1/25/2022 01:12 AM
4-Methyl-2-pentanone	ND		1.0	ppbv	1	1/25/2022 01:12 AM
Acetone	**14**		**1.0**	**ppbv**	1	1/25/2022 01:12 AM
Benzene	**0.91**		**0.50**	**ppbv**	1	1/25/2022 01:12 AM
Benzyl chloride	ND		1.0	ppbv	1	1/25/2022 01:12 AM
Bromodichloromethane	ND		0.20	ppbv	1	1/25/2022 01:12 AM
Bromoform	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Bromomethane	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Carbon disulfide	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Carbon tetrachloride	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Chlorobenzene	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Chloroethane	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Chloroform	ND		0.20	ppbv	1	1/25/2022 01:12 AM
Chloromethane	ND		0.50	ppbv	1	1/25/2022 01:12 AM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	1/25/2022 01:12 AM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Cumene	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Cyclohexane	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Dibromochloromethane	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Dichlorodifluoromethane	ND		0.50	ppbv	1	1/25/2022 01:12 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-5-(4.5-5)
Collection Date: 1/12/2022 09:37 AM

Work Order: 22010475
Lab ID: 22010475-01
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Ethylbenzene	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Freon 113	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Freon 114	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Heptane	**0.89**		**0.50**	**ppbv**	1	1/25/2022 01:12 AM
Hexachlorobutadiene	ND		0.20	ppbv	1	1/25/2022 01:12 AM
Hexane	**0.54**		**0.50**	**ppbv**	1	1/25/2022 01:12 AM
m,p-Xylene	**1.5**		**0.50**	**ppbv**	1	1/25/2022 01:12 AM
Methylene chloride	ND		2.0	ppbv	1	1/25/2022 01:12 AM
MTBE	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Naphthalene	ND		0.20	ppbv	1	1/25/2022 01:12 AM
o-Xylene	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Propene	**11**		**0.50**	**ppbv**	1	1/25/2022 01:12 AM
Styrene	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Tetrachloroethene	**2.6**		**0.50**	**ppbv**	1	1/25/2022 01:12 AM
Tetrahydrofuran	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Toluene	**48**		**5.0**	**ppbv**	10	1/25/2022 02:46 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	1/25/2022 01:12 AM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Trichloroethene	ND		0.20	ppbv	1	1/25/2022 01:12 AM
Trichlorofluoromethane	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Vinyl acetate	ND		1.0	ppbv	1	1/25/2022 01:12 AM
Vinyl chloride	ND		0.50	ppbv	1	1/25/2022 01:12 AM
Surr: Bromofluorobenzene	*80.4*		*60-140*	*%REC*	1	1/25/2022 01:12 AM
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	1/25/2022 01:12 AM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	1/25/2022 01:12 AM
1,1,2-Trichloroethane	ND		1.09	µg/m3	1	1/25/2022 01:12 AM
1,1-Dichloroethane	ND		2.02	µg/m3	1	1/25/2022 01:12 AM
1,1-Dichloroethene	ND		1.98	µg/m3	1	1/25/2022 01:12 AM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	1/25/2022 01:12 AM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	1/25/2022 01:12 AM
1,2-Dibromoethane	ND		1.54	µg/m3	1	1/25/2022 01:12 AM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	1/25/2022 01:12 AM
1,2-Dichloroethane	ND		0.809	µg/m3	1	1/25/2022 01:12 AM
1,2-Dichloropropane	ND		2.31	µg/m3	1	1/25/2022 01:12 AM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	1/25/2022 01:12 AM
1,3-Butadiene	**1.13**		**0.442**	**µg/m3**	1	1/25/2022 01:12 AM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	1/25/2022 01:12 AM
1,4-Dichlorobenzene	ND		1.20	µg/m3	1	1/25/2022 01:12 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-5-(4.5-5)
Collection Date: 1/12/2022 09:37 AM

Work Order: 22010475
Lab ID: 22010475-01
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	1/25/2022 01:12 AM
2-Butanone	ND		2.95	µg/m3	1	1/25/2022 01:12 AM
2-Hexanone	ND		4.10	µg/m3	1	1/25/2022 01:12 AM
2-Propanol	ND		2.46	µg/m3	1	1/25/2022 01:12 AM
4-Ethyltoluene	ND		2.46	µg/m3	1	1/25/2022 01:12 AM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	1/25/2022 01:12 AM
Acetone	**32.8**		**2.38**	**µg/m3**	1	1/25/2022 01:12 AM
Benzene	**2.91**		**1.60**	**µg/m3**	1	1/25/2022 01:12 AM
Benzyl chloride	ND		5.18	µg/m3	1	1/25/2022 01:12 AM
Bromodichloromethane	ND		1.34	µg/m3	1	1/25/2022 01:12 AM
Bromoform	ND		5.17	µg/m3	1	1/25/2022 01:12 AM
Bromomethane	ND		1.94	µg/m3	1	1/25/2022 01:12 AM
Carbon disulfide	ND		1.56	µg/m3	1	1/25/2022 01:12 AM
Carbon tetrachloride	ND		3.15	µg/m3	1	1/25/2022 01:12 AM
Chlorobenzene	ND		2.30	µg/m3	1	1/25/2022 01:12 AM
Chloroethane	ND		1.32	µg/m3	1	1/25/2022 01:12 AM
Chloroform	ND		0.976	µg/m3	1	1/25/2022 01:12 AM
Chloromethane	ND		1.03	µg/m3	1	1/25/2022 01:12 AM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	1/25/2022 01:12 AM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	1/25/2022 01:12 AM
Cumene	ND		2.46	µg/m3	1	1/25/2022 01:12 AM
Cyclohexane	ND		1.72	µg/m3	1	1/25/2022 01:12 AM
Dibromochloromethane	ND		4.26	µg/m3	1	1/25/2022 01:12 AM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	1/25/2022 01:12 AM
Ethyl acetate	ND		1.80	µg/m3	1	1/25/2022 01:12 AM
Ethylbenzene	ND		2.17	µg/m3	1	1/25/2022 01:12 AM
Freon 113	ND		3.83	µg/m3	1	1/25/2022 01:12 AM
Freon 114	ND		3.50	µg/m3	1	1/25/2022 01:12 AM
Heptane	**3.65**		**2.05**	**µg/m3**	1	1/25/2022 01:12 AM
Hexachlorobutadiene	ND		2.13	µg/m3	1	1/25/2022 01:12 AM
Hexane	**1.90**		**1.76**	**µg/m3**	1	1/25/2022 01:12 AM
m,p-Xylene	**6.51**		**2.17**	**µg/m3**	1	1/25/2022 01:12 AM
Methylene chloride	ND		7.00	µg/m3	1	1/25/2022 01:12 AM
MTBE	ND		1.80	µg/m3	1	1/25/2022 01:12 AM
Naphthalene	ND		1.05	µg/m3	1	1/25/2022 01:12 AM
o-Xylene	ND		2.17	µg/m3	1	1/25/2022 01:12 AM
Propene	**18.8**		**0.861**	**µg/m3**	1	1/25/2022 01:12 AM
Styrene	ND		2.13	µg/m3	1	1/25/2022 01:12 AM
Tetrachloroethene	**17.5**		**3.39**	**µg/m3**	1	1/25/2022 01:12 AM
Tetrahydrofuran	ND		1.47	µg/m3	1	1/25/2022 01:12 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-5-(4.5-5)
Collection Date: 1/12/2022 09:37 AM

Work Order: 22010475
Lab ID: 22010475-01
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	**180**		**18.8**	**µg/m3**	10	1/25/2022 02:46 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	1/25/2022 01:12 AM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	1/25/2022 01:12 AM
Trichloroethene	ND		1.07	µg/m3	1	1/25/2022 01:12 AM
Trichlorofluoromethane	ND		2.81	µg/m3	1	1/25/2022 01:12 AM
Vinyl acetate	ND		3.52	µg/m3	1	1/25/2022 01:12 AM
Vinyl chloride	ND		1.28	µg/m3	1	1/25/2022 01:12 AM
Surr: Bromofluorobenzene	*80.4*		*60-140*	*%REC*	1	1/25/2022 01:12 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-5-(16.5-17)
Collection Date: 1/12/2022 10:20 AM

Work Order: 22010475
Lab ID: 22010475-02
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		0.50	ppbv	1	1/25/2022 01:58 AM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	1/25/2022 01:58 AM
1,1,2-Trichloroethane	ND		0.20	ppbv	1	1/25/2022 01:58 AM
1,1-Dichloroethane	ND		0.50	ppbv	1	1/25/2022 01:58 AM
1,1-Dichloroethene	ND		0.50	ppbv	1	1/25/2022 01:58 AM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	1/25/2022 01:58 AM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	1/25/2022 01:58 AM
1,2-Dibromoethane	ND		0.20	ppbv	1	1/25/2022 01:58 AM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	1/25/2022 01:58 AM
1,2-Dichloroethane	ND		0.20	ppbv	1	1/25/2022 01:58 AM
1,2-Dichloropropane	ND		0.50	ppbv	1	1/25/2022 01:58 AM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	1/25/2022 01:58 AM
1,3-Butadiene	**5.2**		**0.20**	**ppbv**	1	1/25/2022 01:58 AM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	1/25/2022 01:58 AM
1,4-Dichlorobenzene	ND		0.20	ppbv	1	1/25/2022 01:58 AM
1,4-Dioxane	ND		1.0	ppbv	1	1/25/2022 01:58 AM
2-Butanone	**8.3**		**1.0**	**ppbv**	1	1/25/2022 01:58 AM
2-Hexanone	ND		1.0	ppbv	1	1/25/2022 01:58 AM
2-Propanol	ND		1.0	ppbv	1	1/25/2022 01:58 AM
4-Ethyltoluene	ND		0.50	ppbv	1	1/25/2022 01:58 AM
4-Methyl-2-pentanone	ND		1.0	ppbv	1	1/25/2022 01:58 AM
Acetone	**43**		**20**	**ppbv**	20	1/25/2022 03:30 PM
Benzene	**4.0**		**0.50**	**ppbv**	1	1/25/2022 01:58 AM
Benzyl chloride	ND		1.0	ppbv	1	1/25/2022 01:58 AM
Bromodichloromethane	ND		0.20	ppbv	1	1/25/2022 01:58 AM
Bromoform	ND		0.50	ppbv	1	1/25/2022 01:58 AM
Bromomethane	ND		0.50	ppbv	1	1/25/2022 01:58 AM
Carbon disulfide	**2.4**		**0.50**	**ppbv**	1	1/25/2022 01:58 AM
Carbon tetrachloride	ND		0.50	ppbv	1	1/25/2022 01:58 AM
Chlorobenzene	ND		0.50	ppbv	1	1/25/2022 01:58 AM
Chloroethane	ND		0.50	ppbv	1	1/25/2022 01:58 AM
Chloroform	ND		0.20	ppbv	1	1/25/2022 01:58 AM
Chloromethane	**1.3**		**0.50**	**ppbv**	1	1/25/2022 01:58 AM
cis-1,2-Dichloroethene	**1.5**		**0.50**	**ppbv**	1	1/25/2022 01:58 AM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	1/25/2022 01:58 AM
Cumene	ND		0.50	ppbv	1	1/25/2022 01:58 AM
Cyclohexane	**0.99**		**0.50**	**ppbv**	1	1/25/2022 01:58 AM
Dibromochloromethane	ND		0.50	ppbv	1	1/25/2022 01:58 AM
Dichlorodifluoromethane	ND		0.50	ppbv	1	1/25/2022 01:58 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-5-(16.5-17)
Collection Date: 1/12/2022 10:20 AM

Work Order: 22010475
Lab ID: 22010475-02
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	1/25/2022 01:58 AM
Ethylbenzene	**0.78**		**0.50**	**ppbv**	1	1/25/2022 01:58 AM
Freon 113	ND		0.50	ppbv	1	1/25/2022 01:58 AM
Freon 114	ND		0.50	ppbv	1	1/25/2022 01:58 AM
Heptane	**2.8**		**0.50**	**ppbv**	1	1/25/2022 01:58 AM
Hexachlorobutadiene	ND		0.20	ppbv	1	1/25/2022 01:58 AM
Hexane	**3.5**		**0.50**	**ppbv**	1	1/25/2022 01:58 AM
m,p-Xylene	**2.5**		**0.50**	**ppbv**	1	1/25/2022 01:58 AM
Methylene chloride	ND		2.0	ppbv	1	1/25/2022 01:58 AM
MTBE	ND		0.50	ppbv	1	1/25/2022 01:58 AM
Naphthalene	ND		0.20	ppbv	1	1/25/2022 01:58 AM
o-Xylene	**0.72**		**0.50**	**ppbv**	1	1/25/2022 01:58 AM
Propene	**170**		**10**	**ppbv**	20	1/25/2022 03:30 PM
Styrene	ND		0.50	ppbv	1	1/25/2022 01:58 AM
Tetrachloroethene	**5.6**		**0.50**	**ppbv**	1	1/25/2022 01:58 AM
Tetrahydrofuran	**1.4**		**0.50**	**ppbv**	1	1/25/2022 01:58 AM
Toluene	**120**		**10**	**ppbv**	20	1/25/2022 03:30 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	1/25/2022 01:58 AM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	1/25/2022 01:58 AM
Trichloroethene	**1.4**		**0.20**	**ppbv**	1	1/25/2022 01:58 AM
Trichlorofluoromethane	ND		0.50	ppbv	1	1/25/2022 01:58 AM
Vinyl acetate	ND		1.0	ppbv	1	1/25/2022 01:58 AM
Vinyl chloride	ND		0.50	ppbv	1	1/25/2022 01:58 AM
Surr: Bromofluorobenzene	*85.2*		*60-140*	*%REC*	1	1/25/2022 01:58 AM
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	1/25/2022 01:58 AM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	1/25/2022 01:58 AM
1,1,2-Trichloroethane	ND		1.09	µg/m3	1	1/25/2022 01:58 AM
1,1-Dichloroethane	ND		2.02	µg/m3	1	1/25/2022 01:58 AM
1,1-Dichloroethene	ND		1.98	µg/m3	1	1/25/2022 01:58 AM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	1/25/2022 01:58 AM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	1/25/2022 01:58 AM
1,2-Dibromoethane	ND		1.54	µg/m3	1	1/25/2022 01:58 AM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	1/25/2022 01:58 AM
1,2-Dichloroethane	ND		0.809	µg/m3	1	1/25/2022 01:58 AM
1,2-Dichloropropane	ND		2.31	µg/m3	1	1/25/2022 01:58 AM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	1/25/2022 01:58 AM
1,3-Butadiene	**11.4**		**0.442**	**µg/m3**	1	1/25/2022 01:58 AM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	1/25/2022 01:58 AM
1,4-Dichlorobenzene	ND		1.20	µg/m3	1	1/25/2022 01:58 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-5-(16.5-17)
Collection Date: 1/12/2022 10:20 AM

Work Order: 22010475
Lab ID: 22010475-02
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	1/25/2022 01:58 AM
2-Butanone	**24.6**		**2.95**	**µg/m3**	1	1/25/2022 01:58 AM
2-Hexanone	ND		4.10	µg/m3	1	1/25/2022 01:58 AM
2-Propanol	ND		2.46	µg/m3	1	1/25/2022 01:58 AM
4-Ethyltoluene	ND		2.46	µg/m3	1	1/25/2022 01:58 AM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	1/25/2022 01:58 AM
Acetone	**102**		**47.5**	**µg/m3**	20	1/25/2022 03:30 PM
Benzene	**12.7**		**1.60**	**µg/m3**	1	1/25/2022 01:58 AM
Benzyl chloride	ND		5.18	µg/m3	1	1/25/2022 01:58 AM
Bromodichloromethane	ND		1.34	µg/m3	1	1/25/2022 01:58 AM
Bromoform	ND		5.17	µg/m3	1	1/25/2022 01:58 AM
Bromomethane	ND		1.94	µg/m3	1	1/25/2022 01:58 AM
Carbon disulfide	**7.32**		**1.56**	**µg/m3**	1	1/25/2022 01:58 AM
Carbon tetrachloride	ND		3.15	µg/m3	1	1/25/2022 01:58 AM
Chlorobenzene	ND		2.30	µg/m3	1	1/25/2022 01:58 AM
Chloroethane	ND		1.32	µg/m3	1	1/25/2022 01:58 AM
Chloroform	ND		0.976	µg/m3	1	1/25/2022 01:58 AM
Chloromethane	**2.73**		**1.03**	**µg/m3**	1	1/25/2022 01:58 AM
cis-1,2-Dichloroethene	**5.79**		**1.98**	**µg/m3**	1	1/25/2022 01:58 AM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	1/25/2022 01:58 AM
Cumene	ND		2.46	µg/m3	1	1/25/2022 01:58 AM
Cyclohexane	**3.41**		**1.72**	**µg/m3**	1	1/25/2022 01:58 AM
Dibromochloromethane	ND		4.26	µg/m3	1	1/25/2022 01:58 AM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	1/25/2022 01:58 AM
Ethyl acetate	ND		1.80	µg/m3	1	1/25/2022 01:58 AM
Ethylbenzene	**3.39**		**2.17**	**µg/m3**	1	1/25/2022 01:58 AM
Freon 113	ND		3.83	µg/m3	1	1/25/2022 01:58 AM
Freon 114	ND		3.50	µg/m3	1	1/25/2022 01:58 AM
Heptane	**11.4**		**2.05**	**µg/m3**	1	1/25/2022 01:58 AM
Hexachlorobutadiene	ND		2.13	µg/m3	1	1/25/2022 01:58 AM
Hexane	**12.3**		**1.76**	**µg/m3**	1	1/25/2022 01:58 AM
m,p-Xylene	**10.7**		**2.17**	**µg/m3**	1	1/25/2022 01:58 AM
Methylene chloride	ND		7.00	µg/m3	1	1/25/2022 01:58 AM
MTBE	ND		1.80	µg/m3	1	1/25/2022 01:58 AM
Naphthalene	ND		1.05	µg/m3	1	1/25/2022 01:58 AM
o-Xylene	**3.13**		**2.17**	**µg/m3**	1	1/25/2022 01:58 AM
Propene	**291**		**17.2**	**µg/m3**	20	1/25/2022 03:30 PM
Styrene	ND		2.13	µg/m3	1	1/25/2022 01:58 AM
Tetrachloroethene	**37.7**		**3.39**	**µg/m3**	1	1/25/2022 01:58 AM
Tetrahydrofuran	**4.01**		**1.47**	**µg/m3**	1	1/25/2022 01:58 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-5-(16.5-17)
Collection Date: 1/12/2022 10:20 AM

Work Order: 22010475
Lab ID: 22010475-02
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	**441**		**37.7**	**µg/m3**	20	1/25/2022 03:30 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	1/25/2022 01:58 AM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	1/25/2022 01:58 AM
Trichloroethene	**7.36**		**1.07**	**µg/m3**	1	1/25/2022 01:58 AM
Trichlorofluoromethane	ND		2.81	µg/m3	1	1/25/2022 01:58 AM
Vinyl acetate	ND		3.52	µg/m3	1	1/25/2022 01:58 AM
Vinyl chloride	ND		1.28	µg/m3	1	1/25/2022 01:58 AM
Surr: Bromofluorobenzene	*85.2*		*60-140*	*%REC*	1	1/25/2022 01:58 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-6-(4.5-5)
Collection Date: 1/12/2022 11:41 AM

Work Order: 22010475
Lab ID: 22010475-03
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		0.50	ppbv	1	1/25/2022 02:43 AM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	1/25/2022 02:43 AM
1,1,2-Trichloroethane	ND		0.20	ppbv	1	1/25/2022 02:43 AM
1,1-Dichloroethane	ND		0.50	ppbv	1	1/25/2022 02:43 AM
1,1-Dichloroethene	ND		0.50	ppbv	1	1/25/2022 02:43 AM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	1/25/2022 02:43 AM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	1/25/2022 02:43 AM
1,2-Dibromoethane	ND		0.20	ppbv	1	1/25/2022 02:43 AM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	1/25/2022 02:43 AM
1,2-Dichloroethane	ND		0.20	ppbv	1	1/25/2022 02:43 AM
1,2-Dichloropropane	ND		0.50	ppbv	1	1/25/2022 02:43 AM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	1/25/2022 02:43 AM
1,3-Butadiene	**0.25**		**0.20**	**ppbv**	1	1/25/2022 02:43 AM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	1/25/2022 02:43 AM
1,4-Dichlorobenzene	ND		0.20	ppbv	1	1/25/2022 02:43 AM
1,4-Dioxane	ND		1.0	ppbv	1	1/25/2022 02:43 AM
2-Butanone	**9.6**		**1.0**	**ppbv**	1	1/25/2022 02:43 AM
2-Hexanone	ND		1.0	ppbv	1	1/25/2022 02:43 AM
2-Propanol	**1.0**		**1.0**	**ppbv**	1	1/25/2022 02:43 AM
4-Ethyltoluene	ND		0.50	ppbv	1	1/25/2022 02:43 AM
4-Methyl-2-pentanone	ND		1.0	ppbv	1	1/25/2022 02:43 AM
Acetone	**32**		**10**	**ppbv**	10	1/25/2022 04:30 PM
Benzene	**1.2**		**0.50**	**ppbv**	1	1/25/2022 02:43 AM
Benzyl chloride	ND		1.0	ppbv	1	1/25/2022 02:43 AM
Bromodichloromethane	ND		0.20	ppbv	1	1/25/2022 02:43 AM
Bromoform	ND		0.50	ppbv	1	1/25/2022 02:43 AM
Bromomethane	ND		0.50	ppbv	1	1/25/2022 02:43 AM
Carbon disulfide	ND		0.50	ppbv	1	1/25/2022 02:43 AM
Carbon tetrachloride	ND		0.50	ppbv	1	1/25/2022 02:43 AM
Chlorobenzene	ND		0.50	ppbv	1	1/25/2022 02:43 AM
Chloroethane	ND		0.50	ppbv	1	1/25/2022 02:43 AM
Chloroform	ND		0.20	ppbv	1	1/25/2022 02:43 AM
Chloromethane	ND		0.50	ppbv	1	1/25/2022 02:43 AM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	1/25/2022 02:43 AM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	1/25/2022 02:43 AM
Cumene	ND		0.50	ppbv	1	1/25/2022 02:43 AM
Cyclohexane	ND		0.50	ppbv	1	1/25/2022 02:43 AM
Dibromochloromethane	ND		0.50	ppbv	1	1/25/2022 02:43 AM
Dichlorodifluoromethane	ND		0.50	ppbv	1	1/25/2022 02:43 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-6-(4.5-5)
Collection Date: 1/12/2022 11:41 AM

Work Order: 22010475
Lab ID: 22010475-03
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	1/25/2022 02:43 AM
Ethylbenzene	**0.83**		**0.50**	**ppbv**	1	1/25/2022 02:43 AM
Freon 113	ND		0.50	ppbv	1	1/25/2022 02:43 AM
Freon 114	ND		0.50	ppbv	1	1/25/2022 02:43 AM
Heptane	**1.4**		**0.50**	**ppbv**	1	1/25/2022 02:43 AM
Hexachlorobutadiene	ND		0.20	ppbv	1	1/25/2022 02:43 AM
Hexane	**0.73**		**0.50**	**ppbv**	1	1/25/2022 02:43 AM
m,p-Xylene	**2.6**		**0.50**	**ppbv**	1	1/25/2022 02:43 AM
Methylene chloride	ND		2.0	ppbv	1	1/25/2022 02:43 AM
MTBE	ND		0.50	ppbv	1	1/25/2022 02:43 AM
Naphthalene	ND		0.20	ppbv	1	1/25/2022 02:43 AM
o-Xylene	**0.81**		**0.50**	**ppbv**	1	1/25/2022 02:43 AM
Propene	**15**		**0.50**	**ppbv**	1	1/25/2022 02:43 AM
Styrene	ND		0.50	ppbv	1	1/25/2022 02:43 AM
Tetrachloroethene	**2.6**		**0.50**	**ppbv**	1	1/25/2022 02:43 AM
Tetrahydrofuran	**0.87**		**0.50**	**ppbv**	1	1/25/2022 02:43 AM
Toluene	**100**		**5.0**	**ppbv**	10	1/25/2022 04:30 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	1/25/2022 02:43 AM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	1/25/2022 02:43 AM
Trichloroethene	**0.26**		**0.20**	**ppbv**	1	1/25/2022 02:43 AM
Trichlorofluoromethane	ND		0.50	ppbv	1	1/25/2022 02:43 AM
Vinyl acetate	ND		1.0	ppbv	1	1/25/2022 02:43 AM
Vinyl chloride	ND		0.50	ppbv	1	1/25/2022 02:43 AM
Surr: Bromofluorobenzene	*83.8*		*60-140*	*%REC*	1	1/25/2022 02:43 AM
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	1/25/2022 02:43 AM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	1/25/2022 02:43 AM
1,1,2-Trichloroethane	ND		1.09	µg/m3	1	1/25/2022 02:43 AM
1,1-Dichloroethane	ND		2.02	µg/m3	1	1/25/2022 02:43 AM
1,1-Dichloroethene	ND		1.98	µg/m3	1	1/25/2022 02:43 AM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	1/25/2022 02:43 AM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	1/25/2022 02:43 AM
1,2-Dibromoethane	ND		1.54	µg/m3	1	1/25/2022 02:43 AM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	1/25/2022 02:43 AM
1,2-Dichloroethane	ND		0.809	µg/m3	1	1/25/2022 02:43 AM
1,2-Dichloropropane	ND		2.31	µg/m3	1	1/25/2022 02:43 AM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	1/25/2022 02:43 AM
1,3-Butadiene	**0.553**		**0.442**	**µg/m3**	1	1/25/2022 02:43 AM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	1/25/2022 02:43 AM
1,4-Dichlorobenzene	ND		1.20	µg/m3	1	1/25/2022 02:43 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-6-(4.5-5)
Collection Date: 1/12/2022 11:41 AM

Work Order: 22010475
Lab ID: 22010475-03
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	1/25/2022 02:43 AM
2-Butanone	**28.3**		**2.95**	**µg/m3**	1	1/25/2022 02:43 AM
2-Hexanone	ND		4.10	µg/m3	1	1/25/2022 02:43 AM
2-Propanol	**2.53**		**2.46**	**µg/m3**	1	1/25/2022 02:43 AM
4-Ethyltoluene	ND		2.46	µg/m3	1	1/25/2022 02:43 AM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	1/25/2022 02:43 AM
Acetone	**76.0**		**23.8**	**µg/m3**	10	1/25/2022 04:30 PM
Benzene	**3.96**		**1.60**	**µg/m3**	1	1/25/2022 02:43 AM
Benzyl chloride	ND		5.18	µg/m3	1	1/25/2022 02:43 AM
Bromodichloromethane	ND		1.34	µg/m3	1	1/25/2022 02:43 AM
Bromoform	ND		5.17	µg/m3	1	1/25/2022 02:43 AM
Bromomethane	ND		1.94	µg/m3	1	1/25/2022 02:43 AM
Carbon disulfide	ND		1.56	µg/m3	1	1/25/2022 02:43 AM
Carbon tetrachloride	ND		3.15	µg/m3	1	1/25/2022 02:43 AM
Chlorobenzene	ND		2.30	µg/m3	1	1/25/2022 02:43 AM
Chloroethane	ND		1.32	µg/m3	1	1/25/2022 02:43 AM
Chloroform	ND		0.976	µg/m3	1	1/25/2022 02:43 AM
Chloromethane	ND		1.03	µg/m3	1	1/25/2022 02:43 AM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	1/25/2022 02:43 AM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	1/25/2022 02:43 AM
Cumene	ND		2.46	µg/m3	1	1/25/2022 02:43 AM
Cyclohexane	ND		1.72	µg/m3	1	1/25/2022 02:43 AM
Dibromochloromethane	ND		4.26	µg/m3	1	1/25/2022 02:43 AM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	1/25/2022 02:43 AM
Ethyl acetate	ND		1.80	µg/m3	1	1/25/2022 02:43 AM
Ethylbenzene	**3.60**		**2.17**	**µg/m3**	1	1/25/2022 02:43 AM
Freon 113	ND		3.83	µg/m3	1	1/25/2022 02:43 AM
Freon 114	ND		3.50	µg/m3	1	1/25/2022 02:43 AM
Heptane	**5.82**		**2.05**	**µg/m3**	1	1/25/2022 02:43 AM
Hexachlorobutadiene	ND		2.13	µg/m3	1	1/25/2022 02:43 AM
Hexane	**2.57**		**1.76**	**µg/m3**	1	1/25/2022 02:43 AM
m,p-Xylene	**11.5**		**2.17**	**µg/m3**	1	1/25/2022 02:43 AM
Methylene chloride	ND		7.00	µg/m3	1	1/25/2022 02:43 AM
MTBE	ND		1.80	µg/m3	1	1/25/2022 02:43 AM
Naphthalene	ND		1.05	µg/m3	1	1/25/2022 02:43 AM
o-Xylene	**3.52**		**2.17**	**µg/m3**	1	1/25/2022 02:43 AM
Propene	**26.1**		**0.861**	**µg/m3**	1	1/25/2022 02:43 AM
Styrene	ND		2.13	µg/m3	1	1/25/2022 02:43 AM
Tetrachloroethene	**17.8**		**3.39**	**µg/m3**	1	1/25/2022 02:43 AM
Tetrahydrofuran	**2.57**		**1.47**	**µg/m3**	1	1/25/2022 02:43 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-6-(4.5-5)
Collection Date: 1/12/2022 11:41 AM

Work Order: 22010475
Lab ID: 22010475-03
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	**395**		**18.8**	**µg/m3**	10	1/25/2022 04:30 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	1/25/2022 02:43 AM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	1/25/2022 02:43 AM
Trichloroethene	**1.40**		**1.07**	**µg/m3**	1	1/25/2022 02:43 AM
Trichlorofluoromethane	ND		2.81	µg/m3	1	1/25/2022 02:43 AM
Vinyl acetate	ND		3.52	µg/m3	1	1/25/2022 02:43 AM
Vinyl chloride	ND		1.28	µg/m3	1	1/25/2022 02:43 AM
Surr: Bromofluorobenzene	*83.8*		*60-140*	*%REC*	1	1/25/2022 02:43 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-1-(7-7.5)
Collection Date: 1/12/2022 01:14 PM

Work Order: 22010475
Lab ID: 22010475-04
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		0.50	ppbv	1	1/25/2022 03:28 AM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	1/25/2022 03:28 AM
1,1,2-Trichloroethane	ND		0.20	ppbv	1	1/25/2022 03:28 AM
1,1-Dichloroethane	ND		0.50	ppbv	1	1/25/2022 03:28 AM
1,1-Dichloroethene	ND		0.50	ppbv	1	1/25/2022 03:28 AM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	1/25/2022 03:28 AM
1,2,4-Trimethylbenzene	**1.4**		**0.50**	**ppbv**	1	1/25/2022 03:28 AM
1,2-Dibromoethane	ND		0.20	ppbv	1	1/25/2022 03:28 AM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	1/25/2022 03:28 AM
1,2-Dichloroethane	ND		0.20	ppbv	1	1/25/2022 03:28 AM
1,2-Dichloropropane	ND		0.50	ppbv	1	1/25/2022 03:28 AM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	1/25/2022 03:28 AM
1,3-Butadiene	**0.37**		**0.20**	**ppbv**	1	1/25/2022 03:28 AM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	1/25/2022 03:28 AM
1,4-Dichlorobenzene	ND		0.20	ppbv	1	1/25/2022 03:28 AM
1,4-Dioxane	ND		1.0	ppbv	1	1/25/2022 03:28 AM
2-Butanone	**1.4**		**1.0**	**ppbv**	1	1/25/2022 03:28 AM
2-Hexanone	ND		1.0	ppbv	1	1/25/2022 03:28 AM
2-Propanol	ND		1.0	ppbv	1	1/25/2022 03:28 AM
4-Ethyltoluene	ND		0.50	ppbv	1	1/25/2022 03:28 AM
4-Methyl-2-pentanone	**1.2**		**1.0**	**ppbv**	1	1/25/2022 03:28 AM
Acetone	**14**		**1.0**	**ppbv**	1	1/25/2022 03:28 AM
Benzene	**1.4**		**0.50**	**ppbv**	1	1/25/2022 03:28 AM
Benzyl chloride	ND		1.0	ppbv	1	1/25/2022 03:28 AM
Bromodichloromethane	ND		0.20	ppbv	1	1/25/2022 03:28 AM
Bromoform	ND		0.50	ppbv	1	1/25/2022 03:28 AM
Bromomethane	ND		0.50	ppbv	1	1/25/2022 03:28 AM
Carbon disulfide	**0.91**		**0.50**	**ppbv**	1	1/25/2022 03:28 AM
Carbon tetrachloride	ND		0.50	ppbv	1	1/25/2022 03:28 AM
Chlorobenzene	ND		0.50	ppbv	1	1/25/2022 03:28 AM
Chloroethane	ND		0.50	ppbv	1	1/25/2022 03:28 AM
Chloroform	ND		0.20	ppbv	1	1/25/2022 03:28 AM
Chloromethane	ND		0.50	ppbv	1	1/25/2022 03:28 AM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	1/25/2022 03:28 AM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	1/25/2022 03:28 AM
Cumene	ND		0.50	ppbv	1	1/25/2022 03:28 AM
Cyclohexane	**0.96**		**0.50**	**ppbv**	1	1/25/2022 03:28 AM
Dibromochloromethane	ND		0.50	ppbv	1	1/25/2022 03:28 AM
Dichlorodifluoromethane	ND		0.50	ppbv	1	1/25/2022 03:28 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-1-(7-7.5)
Collection Date: 1/12/2022 01:14 PM

Work Order: 22010475
Lab ID: 22010475-04
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	1/25/2022 03:28 AM
Ethylbenzene	**2.1**		**0.50**	**ppbv**	1	1/25/2022 03:28 AM
Freon 113	ND		0.50	ppbv	1	1/25/2022 03:28 AM
Freon 114	ND		0.50	ppbv	1	1/25/2022 03:28 AM
Heptane	**2.2**		**0.50**	**ppbv**	1	1/25/2022 03:28 AM
Hexachlorobutadiene	ND		0.20	ppbv	1	1/25/2022 03:28 AM
Hexane	**1.5**		**0.50**	**ppbv**	1	1/25/2022 03:28 AM
m,p-Xylene	**6.1**		**0.50**	**ppbv**	1	1/25/2022 03:28 AM
Methylene chloride	ND		2.0	ppbv	1	1/25/2022 03:28 AM
MTBE	ND		0.50	ppbv	1	1/25/2022 03:28 AM
Naphthalene	ND		0.20	ppbv	1	1/25/2022 03:28 AM
o-Xylene	**2.3**		**0.50**	**ppbv**	1	1/25/2022 03:28 AM
Propene	**6.5**		**0.50**	**ppbv**	1	1/25/2022 03:28 AM
Styrene	**0.83**		**0.50**	**ppbv**	1	1/25/2022 03:28 AM
Tetrachloroethene	**1.2**		**0.50**	**ppbv**	1	1/25/2022 03:28 AM
Tetrahydrofuran	ND		0.50	ppbv	1	1/25/2022 03:28 AM
Toluene	**120**		**5.0**	**ppbv**	10	1/25/2022 05:14 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	1/25/2022 03:28 AM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	1/25/2022 03:28 AM
Trichloroethene	ND		0.20	ppbv	1	1/25/2022 03:28 AM
Trichlorofluoromethane	ND		0.50	ppbv	1	1/25/2022 03:28 AM
Vinyl acetate	ND		1.0	ppbv	1	1/25/2022 03:28 AM
Vinyl chloride	ND		0.50	ppbv	1	1/25/2022 03:28 AM
Surr: Bromofluorobenzene	*121*		*60-140*	*%REC*	1	1/25/2022 03:28 AM
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	1/25/2022 03:28 AM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	1/25/2022 03:28 AM
1,1,2-Trichloroethane	ND		1.09	µg/m3	1	1/25/2022 03:28 AM
1,1-Dichloroethane	ND		2.02	µg/m3	1	1/25/2022 03:28 AM
1,1-Dichloroethene	ND		1.98	µg/m3	1	1/25/2022 03:28 AM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	1/25/2022 03:28 AM
1,2,4-Trimethylbenzene	**6.69**		**2.46**	**µg/m3**	1	1/25/2022 03:28 AM
1,2-Dibromoethane	ND		1.54	µg/m3	1	1/25/2022 03:28 AM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	1/25/2022 03:28 AM
1,2-Dichloroethane	ND		0.809	µg/m3	1	1/25/2022 03:28 AM
1,2-Dichloropropane	ND		2.31	µg/m3	1	1/25/2022 03:28 AM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	1/25/2022 03:28 AM
1,3-Butadiene	**0.819**		**0.442**	**µg/m3**	1	1/25/2022 03:28 AM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	1/25/2022 03:28 AM
1,4-Dichlorobenzene	ND		1.20	µg/m3	1	1/25/2022 03:28 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-1-(7-7.5)
Collection Date: 1/12/2022 01:14 PM

Work Order: 22010475
Lab ID: 22010475-04
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	1/25/2022 03:28 AM
2-Butanone	**4.07**		**2.95**	**µg/m3**	1	1/25/2022 03:28 AM
2-Hexanone	ND		4.10	µg/m3	1	1/25/2022 03:28 AM
2-Propanol	ND		2.46	µg/m3	1	1/25/2022 03:28 AM
4-Ethyltoluene	ND		2.46	µg/m3	1	1/25/2022 03:28 AM
4-Methyl-2-pentanone	**4.87**		**4.10**	**µg/m3**	1	1/25/2022 03:28 AM
Acetone	**34.0**		**2.38**	**µg/m3**	1	1/25/2022 03:28 AM
Benzene	**4.44**		**1.60**	**µg/m3**	1	1/25/2022 03:28 AM
Benzyl chloride	ND		5.18	µg/m3	1	1/25/2022 03:28 AM
Bromodichloromethane	ND		1.34	µg/m3	1	1/25/2022 03:28 AM
Bromoform	ND		5.17	µg/m3	1	1/25/2022 03:28 AM
Bromomethane	ND		1.94	µg/m3	1	1/25/2022 03:28 AM
Carbon disulfide	**2.83**		**1.56**	**µg/m3**	1	1/25/2022 03:28 AM
Carbon tetrachloride	ND		3.15	µg/m3	1	1/25/2022 03:28 AM
Chlorobenzene	ND		2.30	µg/m3	1	1/25/2022 03:28 AM
Chloroethane	ND		1.32	µg/m3	1	1/25/2022 03:28 AM
Chloroform	ND		0.976	µg/m3	1	1/25/2022 03:28 AM
Chloromethane	ND		1.03	µg/m3	1	1/25/2022 03:28 AM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	1/25/2022 03:28 AM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	1/25/2022 03:28 AM
Cumene	ND		2.46	µg/m3	1	1/25/2022 03:28 AM
Cyclohexane	**3.30**		**1.72**	**µg/m3**	1	1/25/2022 03:28 AM
Dibromochloromethane	ND		4.26	µg/m3	1	1/25/2022 03:28 AM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	1/25/2022 03:28 AM
Ethyl acetate	ND		1.80	µg/m3	1	1/25/2022 03:28 AM
Ethylbenzene	**9.25**		**2.17**	**µg/m3**	1	1/25/2022 03:28 AM
Freon 113	ND		3.83	µg/m3	1	1/25/2022 03:28 AM
Freon 114	ND		3.50	µg/m3	1	1/25/2022 03:28 AM
Heptane	**8.93**		**2.05**	**µg/m3**	1	1/25/2022 03:28 AM
Hexachlorobutadiene	ND		2.13	µg/m3	1	1/25/2022 03:28 AM
Hexane	**5.32**		**1.76**	**µg/m3**	1	1/25/2022 03:28 AM
m,p-Xylene	**26.6**		**2.17**	**µg/m3**	1	1/25/2022 03:28 AM
Methylene chloride	ND		7.00	µg/m3	1	1/25/2022 03:28 AM
MTBE	ND		1.80	µg/m3	1	1/25/2022 03:28 AM
Naphthalene	ND		1.05	µg/m3	1	1/25/2022 03:28 AM
o-Xylene	**9.99**		**2.17**	**µg/m3**	1	1/25/2022 03:28 AM
Propene	**11.2**		**0.861**	**µg/m3**	1	1/25/2022 03:28 AM
Styrene	**3.54**		**2.13**	**µg/m3**	1	1/25/2022 03:28 AM
Tetrachloroethene	**8.00**		**3.39**	**µg/m3**	1	1/25/2022 03:28 AM
Tetrahydrofuran	ND		1.47	µg/m3	1	1/25/2022 03:28 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-1-(7-7.5)
Collection Date: 1/12/2022 01:14 PM

Work Order: 22010475
Lab ID: 22010475-04
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	**439**		**18.8**	**µg/m3**	10	1/25/2022 05:14 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	1/25/2022 03:28 AM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	1/25/2022 03:28 AM
Trichloroethene	ND		1.07	µg/m3	1	1/25/2022 03:28 AM
Trichlorofluoromethane	ND		2.81	µg/m3	1	1/25/2022 03:28 AM
Vinyl acetate	ND		3.52	µg/m3	1	1/25/2022 03:28 AM
Vinyl chloride	ND		1.28	µg/m3	1	1/25/2022 03:28 AM
Surr: Bromofluorobenzene	*121*		*60-140*	*%REC*	1	1/25/2022 03:28 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-4-(7.5-8)
Collection Date: 1/12/2022 02:19 PM

Work Order: 22010475
Lab ID: 22010475-05
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		20	ppbv	40	1/27/2022 07:31 AM
1,1,2,2-Tetrachloroethane	ND		20	ppbv	40	1/27/2022 07:31 AM
1,1,2-Trichloroethane	ND		8.0	ppbv	40	1/27/2022 07:31 AM
1,1-Dichloroethane	ND		20	ppbv	40	1/27/2022 07:31 AM
1,1-Dichloroethene	ND		20	ppbv	40	1/27/2022 07:31 AM
1,2,4-Trichlorobenzene	ND		20	ppbv	40	1/27/2022 07:31 AM
1,2,4-Trimethylbenzene	ND		20	ppbv	40	1/27/2022 07:31 AM
1,2-Dibromoethane	ND		8.0	ppbv	40	1/27/2022 07:31 AM
1,2-Dichlorobenzene	ND		20	ppbv	40	1/27/2022 07:31 AM
1,2-Dichloroethane	ND		8.0	ppbv	40	1/27/2022 07:31 AM
1,2-Dichloropropane	ND		20	ppbv	40	1/27/2022 07:31 AM
1,3,5-Trimethylbenzene	ND		20	ppbv	40	1/27/2022 07:31 AM
1,3-Butadiene	ND		8.0	ppbv	40	1/27/2022 07:31 AM
1,3-Dichlorobenzene	ND		20	ppbv	40	1/27/2022 07:31 AM
1,4-Dichlorobenzene	ND		8.0	ppbv	40	1/27/2022 07:31 AM
1,4-Dioxane	ND		40	ppbv	40	1/27/2022 07:31 AM
2-Butanone	ND		40	ppbv	40	1/27/2022 07:31 AM
2-Hexanone	ND		40	ppbv	40	1/27/2022 07:31 AM
2-Propanol	ND		40	ppbv	40	1/27/2022 07:31 AM
4-Ethyltoluene	ND		20	ppbv	40	1/27/2022 07:31 AM
4-Methyl-2-pentanone	ND		40	ppbv	40	1/27/2022 07:31 AM
Acetone	ND		40	ppbv	40	1/27/2022 07:31 AM
Benzene	ND		20	ppbv	40	1/27/2022 07:31 AM
Benzyl chloride	ND		40	ppbv	40	1/27/2022 07:31 AM
Bromodichloromethane	ND		8.0	ppbv	40	1/27/2022 07:31 AM
Bromoform	ND		20	ppbv	40	1/27/2022 07:31 AM
Bromomethane	ND		20	ppbv	40	1/27/2022 07:31 AM
Carbon disulfide	ND		20	ppbv	40	1/27/2022 07:31 AM
Carbon tetrachloride	ND		20	ppbv	40	1/27/2022 07:31 AM
Chlorobenzene	ND		20	ppbv	40	1/27/2022 07:31 AM
Chloroethane	ND		20	ppbv	40	1/27/2022 07:31 AM
Chloroform	ND		8.0	ppbv	40	1/27/2022 07:31 AM
Chloromethane	ND		20	ppbv	40	1/27/2022 07:31 AM
cis-1,2-Dichloroethene	**310**		**20**	**ppbv**	40	1/27/2022 07:31 AM
cis-1,3-Dichloropropene	ND		20	ppbv	40	1/27/2022 07:31 AM
Cumene	ND		20	ppbv	40	1/27/2022 07:31 AM
Cyclohexane	ND		20	ppbv	40	1/27/2022 07:31 AM
Dibromochloromethane	ND		20	ppbv	40	1/27/2022 07:31 AM
Dichlorodifluoromethane	ND		20	ppbv	40	1/27/2022 07:31 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-4-(7.5-8)
Collection Date: 1/12/2022 02:19 PM

Work Order: 22010475
Lab ID: 22010475-05
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		20	ppbv	40	1/27/2022 07:31 AM
Ethylbenzene	ND		20	ppbv	40	1/27/2022 07:31 AM
Freon 113	ND		20	ppbv	40	1/27/2022 07:31 AM
Freon 114	ND		20	ppbv	40	1/27/2022 07:31 AM
Heptane	ND		20	ppbv	40	1/27/2022 07:31 AM
Hexachlorobutadiene	ND		8.0	ppbv	40	1/27/2022 07:31 AM
Hexane	ND		20	ppbv	40	1/27/2022 07:31 AM
m,p-Xylene	ND		20	ppbv	40	1/27/2022 07:31 AM
Methylene chloride	ND		80	ppbv	40	1/27/2022 07:31 AM
MTBE	ND		20	ppbv	40	1/27/2022 07:31 AM
Naphthalene	ND		8.0	ppbv	40	1/27/2022 07:31 AM
o-Xylene	ND		20	ppbv	40	1/27/2022 07:31 AM
Propene	ND		20	ppbv	40	1/27/2022 07:31 AM
Styrene	ND		20	ppbv	40	1/27/2022 07:31 AM
Tetrachloroethene	**12,000**		**500**	**ppbv**	1000	1/26/2022 09:52 AM
Tetrahydrofuran	ND		20	ppbv	40	1/27/2022 07:31 AM
Toluene	**79**		**20**	**ppbv**	40	1/27/2022 07:31 AM
trans-1,2-Dichloroethene	ND		20	ppbv	40	1/27/2022 07:31 AM
trans-1,3-Dichloropropene	ND		20	ppbv	40	1/27/2022 07:31 AM
Trichloroethene	**5,800**		**200**	**ppbv**	1000	1/26/2022 09:52 AM
Trichlorofluoromethane	ND		20	ppbv	40	1/27/2022 07:31 AM
Vinyl acetate	ND		40	ppbv	40	1/27/2022 07:31 AM
Vinyl chloride	ND		20	ppbv	40	1/27/2022 07:31 AM
Surr: Bromofluorobenzene	*93.0*		*60-140*	*%REC*	40	1/27/2022 07:31 AM
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		109	µg/m3	40	1/27/2022 07:31 AM
1,1,2,2-Tetrachloroethane	ND		137	µg/m3	40	1/27/2022 07:31 AM
1,1,2-Trichloroethane	ND		43.6	µg/m3	40	1/27/2022 07:31 AM
1,1-Dichloroethane	ND		80.9	µg/m3	40	1/27/2022 07:31 AM
1,1-Dichloroethene	ND		79.3	µg/m3	40	1/27/2022 07:31 AM
1,2,4-Trichlorobenzene	ND		148	µg/m3	40	1/27/2022 07:31 AM
1,2,4-Trimethylbenzene	ND		98.3	µg/m3	40	1/27/2022 07:31 AM
1,2-Dibromoethane	ND		61.5	µg/m3	40	1/27/2022 07:31 AM
1,2-Dichlorobenzene	ND		120	µg/m3	40	1/27/2022 07:31 AM
1,2-Dichloroethane	ND		32.4	µg/m3	40	1/27/2022 07:31 AM
1,2-Dichloropropane	ND		92.4	µg/m3	40	1/27/2022 07:31 AM
1,3,5-Trimethylbenzene	ND		98.3	µg/m3	40	1/27/2022 07:31 AM
1,3-Butadiene	ND		17.7	µg/m3	40	1/27/2022 07:31 AM
1,3-Dichlorobenzene	ND		120	µg/m3	40	1/27/2022 07:31 AM
1,4-Dichlorobenzene	ND		48.1	µg/m3	40	1/27/2022 07:31 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-4-(7.5-8)
Collection Date: 1/12/2022 02:19 PM

Work Order: 22010475
Lab ID: 22010475-05
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		144	µg/m3	40	1/27/2022 07:31 AM
2-Butanone	ND		118	µg/m3	40	1/27/2022 07:31 AM
2-Hexanone	ND		164	µg/m3	40	1/27/2022 07:31 AM
2-Propanol	ND		98.3	µg/m3	40	1/27/2022 07:31 AM
4-Ethyltoluene	ND		98.3	µg/m3	40	1/27/2022 07:31 AM
4-Methyl-2-pentanone	ND		164	µg/m3	40	1/27/2022 07:31 AM
Acetone	ND		95.0	µg/m3	40	1/27/2022 07:31 AM
Benzene	ND		63.9	µg/m3	40	1/27/2022 07:31 AM
Benzyl chloride	ND		207	µg/m3	40	1/27/2022 07:31 AM
Bromodichloromethane	ND		53.6	µg/m3	40	1/27/2022 07:31 AM
Bromoform	ND		207	µg/m3	40	1/27/2022 07:31 AM
Bromomethane	ND		77.7	µg/m3	40	1/27/2022 07:31 AM
Carbon disulfide	ND		62.3	µg/m3	40	1/27/2022 07:31 AM
Carbon tetrachloride	ND		126	µg/m3	40	1/27/2022 07:31 AM
Chlorobenzene	ND		92.1	µg/m3	40	1/27/2022 07:31 AM
Chloroethane	ND		52.8	µg/m3	40	1/27/2022 07:31 AM
Chloroform	ND		39.1	µg/m3	40	1/27/2022 07:31 AM
Chloromethane	ND		41.3	µg/m3	40	1/27/2022 07:31 AM
cis-1,2-Dichloroethene	**1,210**		**79.3**	**µg/m3**	40	1/27/2022 07:31 AM
cis-1,3-Dichloropropene	ND		90.8	µg/m3	40	1/27/2022 07:31 AM
Cumene	ND		98.3	µg/m3	40	1/27/2022 07:31 AM
Cyclohexane	ND		68.8	µg/m3	40	1/27/2022 07:31 AM
Dibromochloromethane	ND		170	µg/m3	40	1/27/2022 07:31 AM
Dichlorodifluoromethane	ND		98.9	µg/m3	40	1/27/2022 07:31 AM
Ethyl acetate	ND		72.1	µg/m3	40	1/27/2022 07:31 AM
Ethylbenzene	ND		86.8	µg/m3	40	1/27/2022 07:31 AM
Freon 113	ND		153	µg/m3	40	1/27/2022 07:31 AM
Freon 114	ND		140	µg/m3	40	1/27/2022 07:31 AM
Heptane	ND		82.0	µg/m3	40	1/27/2022 07:31 AM
Hexachlorobutadiene	ND		85.3	µg/m3	40	1/27/2022 07:31 AM
Hexane	ND		70.5	µg/m3	40	1/27/2022 07:31 AM
m,p-Xylene	ND		86.8	µg/m3	40	1/27/2022 07:31 AM
Methylene chloride	ND		280	µg/m3	40	1/27/2022 07:31 AM
MTBE	ND		72.1	µg/m3	40	1/27/2022 07:31 AM
Naphthalene	ND		41.9	µg/m3	40	1/27/2022 07:31 AM
o-Xylene	ND		86.8	µg/m3	40	1/27/2022 07:31 AM
Propene	ND		34.4	µg/m3	40	1/27/2022 07:31 AM
Styrene	ND		85.2	µg/m3	40	1/27/2022 07:31 AM
Tetrachloroethene	**84,600**		**3,390**	**µg/m3**	1000	1/26/2022 09:52 AM
Tetrahydrofuran	ND		59.0	µg/m3	40	1/27/2022 07:31 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-4-(7.5-8)
Collection Date: 1/12/2022 02:19 PM

Work Order: 22010475
Lab ID: 22010475-05
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	**297**		**75.4**	**µg/m3**	40	1/27/2022 07:31 AM
trans-1,2-Dichloroethene	ND		79.3	µg/m3	40	1/27/2022 07:31 AM
trans-1,3-Dichloropropene	ND		90.8	µg/m3	40	1/27/2022 07:31 AM
Trichloroethene	**31,300**		**1,070**	**µg/m3**	1000	1/26/2022 09:52 AM
Trichlorofluoromethane	ND		112	µg/m3	40	1/27/2022 07:31 AM
Vinyl acetate	ND		141	µg/m3	40	1/27/2022 07:31 AM
Vinyl chloride	ND		51.1	µg/m3	40	1/27/2022 07:31 AM
Surr: Bromofluorobenzene	*93.0*		*60-140*	*%REC*	40	1/27/2022 07:31 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-4-(22.5-23)
Collection Date: 1/12/2022 02:16 PM

Work Order: 22010475
Lab ID: 22010475-06
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		20	ppbv	40	1/27/2022 08:14 AM
1,1,2,2-Tetrachloroethane	ND		20	ppbv	40	1/27/2022 08:14 AM
1,1,2-Trichloroethane	ND		8.0	ppbv	40	1/27/2022 08:14 AM
1,1-Dichloroethane	ND		20	ppbv	40	1/27/2022 08:14 AM
1,1-Dichloroethene	ND		20	ppbv	40	1/27/2022 08:14 AM
1,2,4-Trichlorobenzene	ND		20	ppbv	40	1/27/2022 08:14 AM
1,2,4-Trimethylbenzene	ND		20	ppbv	40	1/27/2022 08:14 AM
1,2-Dibromoethane	ND		8.0	ppbv	40	1/27/2022 08:14 AM
1,2-Dichlorobenzene	ND		20	ppbv	40	1/27/2022 08:14 AM
1,2-Dichloroethane	ND		8.0	ppbv	40	1/27/2022 08:14 AM
1,2-Dichloropropane	ND		20	ppbv	40	1/27/2022 08:14 AM
1,3,5-Trimethylbenzene	ND		20	ppbv	40	1/27/2022 08:14 AM
1,3-Butadiene	ND		8.0	ppbv	40	1/27/2022 08:14 AM
1,3-Dichlorobenzene	ND		20	ppbv	40	1/27/2022 08:14 AM
1,4-Dichlorobenzene	ND		8.0	ppbv	40	1/27/2022 08:14 AM
1,4-Dioxane	ND		40	ppbv	40	1/27/2022 08:14 AM
2-Butanone	ND		40	ppbv	40	1/27/2022 08:14 AM
2-Hexanone	ND		40	ppbv	40	1/27/2022 08:14 AM
2-Propanol	ND		40	ppbv	40	1/27/2022 08:14 AM
4-Ethyltoluene	ND		20	ppbv	40	1/27/2022 08:14 AM
4-Methyl-2-pentanone	ND		40	ppbv	40	1/27/2022 08:14 AM
Acetone	**56**		**40**	**ppbv**	40	1/27/2022 08:14 AM
Benzene	ND		20	ppbv	40	1/27/2022 08:14 AM
Benzyl chloride	ND		40	ppbv	40	1/27/2022 08:14 AM
Bromodichloromethane	ND		8.0	ppbv	40	1/27/2022 08:14 AM
Bromoform	ND		20	ppbv	40	1/27/2022 08:14 AM
Bromomethane	ND		20	ppbv	40	1/27/2022 08:14 AM
Carbon disulfide	ND		20	ppbv	40	1/27/2022 08:14 AM
Carbon tetrachloride	ND		20	ppbv	40	1/27/2022 08:14 AM
Chlorobenzene	ND		20	ppbv	40	1/27/2022 08:14 AM
Chloroethane	ND		20	ppbv	40	1/27/2022 08:14 AM
Chloroform	ND		8.0	ppbv	40	1/27/2022 08:14 AM
Chloromethane	ND		20	ppbv	40	1/27/2022 08:14 AM
cis-1,2-Dichloroethene	**690**		**500**	**ppbv**	1000	1/26/2022 08:56 AM
cis-1,3-Dichloropropene	ND		20	ppbv	40	1/27/2022 08:14 AM
Cumene	ND		20	ppbv	40	1/27/2022 08:14 AM
Cyclohexane	ND		20	ppbv	40	1/27/2022 08:14 AM
Dibromochloromethane	ND		20	ppbv	40	1/27/2022 08:14 AM
Dichlorodifluoromethane	ND		20	ppbv	40	1/27/2022 08:14 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-4-(22.5-23)
Collection Date: 1/12/2022 02:16 PM

Work Order: 22010475
Lab ID: 22010475-06
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		20	ppbv	40	1/27/2022 08:14 AM
Ethylbenzene	ND		20	ppbv	40	1/27/2022 08:14 AM
Freon 113	ND		20	ppbv	40	1/27/2022 08:14 AM
Freon 114	ND		20	ppbv	40	1/27/2022 08:14 AM
Heptane	ND		20	ppbv	40	1/27/2022 08:14 AM
Hexachlorobutadiene	ND		8.0	ppbv	40	1/27/2022 08:14 AM
Hexane	ND		20	ppbv	40	1/27/2022 08:14 AM
m,p-Xylene	ND		20	ppbv	40	1/27/2022 08:14 AM
Methylene chloride	ND		80	ppbv	40	1/27/2022 08:14 AM
MTBE	ND		20	ppbv	40	1/27/2022 08:14 AM
Naphthalene	ND		8.0	ppbv	40	1/27/2022 08:14 AM
o-Xylene	ND		20	ppbv	40	1/27/2022 08:14 AM
Propene	ND		20	ppbv	40	1/27/2022 08:14 AM
Styrene	ND		20	ppbv	40	1/27/2022 08:14 AM
Tetrachloroethene	**9,000**		**500**	**ppbv**	1000	1/26/2022 08:56 AM
Tetrahydrofuran	ND		20	ppbv	40	1/27/2022 08:14 AM
Toluene	**280**		**20**	**ppbv**	40	1/27/2022 08:14 AM
trans-1,2-Dichloroethene	ND		20	ppbv	40	1/27/2022 08:14 AM
trans-1,3-Dichloropropene	ND		20	ppbv	40	1/27/2022 08:14 AM
Trichloroethene	**9,400**		**200**	**ppbv**	1000	1/26/2022 08:56 AM
Trichlorofluoromethane	ND		20	ppbv	40	1/27/2022 08:14 AM
Vinyl acetate	ND		40	ppbv	40	1/27/2022 08:14 AM
Vinyl chloride	ND		20	ppbv	40	1/27/2022 08:14 AM
Surr: Bromofluorobenzene	*90.7*		*60-140*	*%REC*	40	1/27/2022 08:14 AM
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		109	µg/m3	40	1/27/2022 08:14 AM
1,1,2,2-Tetrachloroethane	ND		137	µg/m3	40	1/27/2022 08:14 AM
1,1,2-Trichloroethane	ND		43.6	µg/m3	40	1/27/2022 08:14 AM
1,1-Dichloroethane	ND		80.9	µg/m3	40	1/27/2022 08:14 AM
1,1-Dichloroethene	ND		79.3	µg/m3	40	1/27/2022 08:14 AM
1,2,4-Trichlorobenzene	ND		148	µg/m3	40	1/27/2022 08:14 AM
1,2,4-Trimethylbenzene	ND		98.3	µg/m3	40	1/27/2022 08:14 AM
1,2-Dibromoethane	ND		61.5	µg/m3	40	1/27/2022 08:14 AM
1,2-Dichlorobenzene	ND		120	µg/m3	40	1/27/2022 08:14 AM
1,2-Dichloroethane	ND		32.4	µg/m3	40	1/27/2022 08:14 AM
1,2-Dichloropropane	ND		92.4	µg/m3	40	1/27/2022 08:14 AM
1,3,5-Trimethylbenzene	ND		98.3	µg/m3	40	1/27/2022 08:14 AM
1,3-Butadiene	ND		17.7	µg/m3	40	1/27/2022 08:14 AM
1,3-Dichlorobenzene	ND		120	µg/m3	40	1/27/2022 08:14 AM
1,4-Dichlorobenzene	ND		48.1	µg/m3	40	1/27/2022 08:14 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-4-(22.5-23)
Collection Date: 1/12/2022 02:16 PM

Work Order: 22010475
Lab ID: 22010475-06
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		144	µg/m3	40	1/27/2022 08:14 AM
2-Butanone	ND		118	µg/m3	40	1/27/2022 08:14 AM
2-Hexanone	ND		164	µg/m3	40	1/27/2022 08:14 AM
2-Propanol	ND		98.3	µg/m3	40	1/27/2022 08:14 AM
4-Ethyltoluene	ND		98.3	µg/m3	40	1/27/2022 08:14 AM
4-Methyl-2-pentanone	ND		164	µg/m3	40	1/27/2022 08:14 AM
Acetone	**132**		**95.0**	**µg/m3**	40	1/27/2022 08:14 AM
Benzene	ND		63.9	µg/m3	40	1/27/2022 08:14 AM
Benzyl chloride	ND		207	µg/m3	40	1/27/2022 08:14 AM
Bromodichloromethane	ND		53.6	µg/m3	40	1/27/2022 08:14 AM
Bromoform	ND		207	µg/m3	40	1/27/2022 08:14 AM
Bromomethane	ND		77.7	µg/m3	40	1/27/2022 08:14 AM
Carbon disulfide	ND		62.3	µg/m3	40	1/27/2022 08:14 AM
Carbon tetrachloride	ND		126	µg/m3	40	1/27/2022 08:14 AM
Chlorobenzene	ND		92.1	µg/m3	40	1/27/2022 08:14 AM
Chloroethane	ND		52.8	µg/m3	40	1/27/2022 08:14 AM
Chloroform	ND		39.1	µg/m3	40	1/27/2022 08:14 AM
Chloromethane	ND		41.3	µg/m3	40	1/27/2022 08:14 AM
cis-1,2-Dichloroethene	**2,740**		**1,980**	**µg/m3**	1000	1/26/2022 08:56 AM
cis-1,3-Dichloropropene	ND		90.8	µg/m3	40	1/27/2022 08:14 AM
Cumene	ND		98.3	µg/m3	40	1/27/2022 08:14 AM
Cyclohexane	ND		68.8	µg/m3	40	1/27/2022 08:14 AM
Dibromochloromethane	ND		170	µg/m3	40	1/27/2022 08:14 AM
Dichlorodifluoromethane	ND		98.9	µg/m3	40	1/27/2022 08:14 AM
Ethyl acetate	ND		72.1	µg/m3	40	1/27/2022 08:14 AM
Ethylbenzene	ND		86.8	µg/m3	40	1/27/2022 08:14 AM
Freon 113	ND		153	µg/m3	40	1/27/2022 08:14 AM
Freon 114	ND		140	µg/m3	40	1/27/2022 08:14 AM
Heptane	ND		82.0	µg/m3	40	1/27/2022 08:14 AM
Hexachlorobutadiene	ND		85.3	µg/m3	40	1/27/2022 08:14 AM
Hexane	ND		70.5	µg/m3	40	1/27/2022 08:14 AM
m,p-Xylene	ND		86.8	µg/m3	40	1/27/2022 08:14 AM
Methylene chloride	ND		280	µg/m3	40	1/27/2022 08:14 AM
MTBE	ND		72.1	µg/m3	40	1/27/2022 08:14 AM
Naphthalene	ND		41.9	µg/m3	40	1/27/2022 08:14 AM
o-Xylene	ND		86.8	µg/m3	40	1/27/2022 08:14 AM
Propene	ND		34.4	µg/m3	40	1/27/2022 08:14 AM
Styrene	ND		85.2	µg/m3	40	1/27/2022 08:14 AM
Tetrachloroethene	**61,200**		**3,390**	**µg/m3**	1000	1/26/2022 08:56 AM
Tetrahydrofuran	ND		59.0	µg/m3	40	1/27/2022 08:14 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-4-(22.5-23)
Collection Date: 1/12/2022 02:16 PM

Work Order: 22010475
Lab ID: 22010475-06
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	**1,040**		**75.4**	**µg/m3**	40	1/27/2022 08:14 AM
trans-1,2-Dichloroethene	ND		79.3	µg/m3	40	1/27/2022 08:14 AM
trans-1,3-Dichloropropene	ND		90.8	µg/m3	40	1/27/2022 08:14 AM
Trichloroethene	**50,400**		**1,070**	**µg/m3**	1000	1/26/2022 08:56 AM
Trichlorofluoromethane	ND		112	µg/m3	40	1/27/2022 08:14 AM
Vinyl acetate	ND		141	µg/m3	40	1/27/2022 08:14 AM
Vinyl chloride	ND		51.1	µg/m3	40	1/27/2022 08:14 AM
Surr: Bromofluorobenzene	*90.7*		*60-140*	*%REC*	40	1/27/2022 08:14 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-3-(4.5-5)
Collection Date: 1/12/2022 03:33 PM

Work Order: 22010475
Lab ID: 22010475-07
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		0.50	ppbv	1	1/25/2022 06:15 AM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	1/25/2022 06:15 AM
1,1,2-Trichloroethane	ND		0.20	ppbv	1	1/25/2022 06:15 AM
1,1-Dichloroethane	ND		0.50	ppbv	1	1/25/2022 06:15 AM
1,1-Dichloroethene	ND		0.50	ppbv	1	1/25/2022 06:15 AM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	1/25/2022 06:15 AM
1,2,4-Trimethylbenzene	**0.96**		**0.50**	**ppbv**	1	1/25/2022 06:15 AM
1,2-Dibromoethane	ND		0.20	ppbv	1	1/25/2022 06:15 AM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	1/25/2022 06:15 AM
1,2-Dichloroethane	ND		0.20	ppbv	1	1/25/2022 06:15 AM
1,2-Dichloropropane	ND		0.50	ppbv	1	1/25/2022 06:15 AM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	1/25/2022 06:15 AM
1,3-Butadiene	**0.72**		**0.20**	**ppbv**	1	1/25/2022 06:15 AM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	1/25/2022 06:15 AM
1,4-Dichlorobenzene	ND		0.20	ppbv	1	1/25/2022 06:15 AM
1,4-Dioxane	ND		1.0	ppbv	1	1/25/2022 06:15 AM
2-Butanone	**4.7**		**1.0**	**ppbv**	1	1/25/2022 06:15 AM
2-Hexanone	ND		1.0	ppbv	1	1/25/2022 06:15 AM
2-Propanol	ND		1.0	ppbv	1	1/25/2022 06:15 AM
4-Ethyltoluene	ND		0.50	ppbv	1	1/25/2022 06:15 AM
4-Methyl-2-pentanone	ND		1.0	ppbv	1	1/25/2022 06:15 AM
Acetone	**42**		**10**	**ppbv**	10	1/25/2022 05:59 PM
Benzene	**0.97**		**0.50**	**ppbv**	1	1/25/2022 06:15 AM
Benzyl chloride	ND		1.0	ppbv	1	1/25/2022 06:15 AM
Bromodichloromethane	ND		0.20	ppbv	1	1/25/2022 06:15 AM
Bromoform	ND		0.50	ppbv	1	1/25/2022 06:15 AM
Bromomethane	ND		0.50	ppbv	1	1/25/2022 06:15 AM
Carbon disulfide	**6.7**		**0.50**	**ppbv**	1	1/25/2022 06:15 AM
Carbon tetrachloride	ND		0.50	ppbv	1	1/25/2022 06:15 AM
Chlorobenzene	ND		0.50	ppbv	1	1/25/2022 06:15 AM
Chloroethane	ND		0.50	ppbv	1	1/25/2022 06:15 AM
Chloroform	ND		0.20	ppbv	1	1/25/2022 06:15 AM
Chloromethane	ND		0.50	ppbv	1	1/25/2022 06:15 AM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	1/25/2022 06:15 AM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	1/25/2022 06:15 AM
Cumene	ND		0.50	ppbv	1	1/25/2022 06:15 AM
Cyclohexane	**12**		**0.50**	**ppbv**	1	1/25/2022 06:15 AM
Dibromochloromethane	ND		0.50	ppbv	1	1/25/2022 06:15 AM
Dichlorodifluoromethane	ND		0.50	ppbv	1	1/25/2022 06:15 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-3-(4.5-5)
Collection Date: 1/12/2022 03:33 PM

Work Order: 22010475
Lab ID: 22010475-07
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	1/25/2022 06:15 AM
Ethylbenzene	**1.3**		**0.50**	**ppbv**	1	1/25/2022 06:15 AM
Freon 113	ND		0.50	ppbv	1	1/25/2022 06:15 AM
Freon 114	ND		0.50	ppbv	1	1/25/2022 06:15 AM
Heptane	**9.7**		**0.50**	**ppbv**	1	1/25/2022 06:15 AM
Hexachlorobutadiene	ND		0.20	ppbv	1	1/25/2022 06:15 AM
Hexane	**19**		**0.50**	**ppbv**	1	1/25/2022 06:15 AM
m,p-Xylene	**4.4**		**0.50**	**ppbv**	1	1/25/2022 06:15 AM
Methylene chloride	ND		2.0	ppbv	1	1/25/2022 06:15 AM
MTBE	ND		0.50	ppbv	1	1/25/2022 06:15 AM
Naphthalene	ND		0.20	ppbv	1	1/25/2022 06:15 AM
o-Xylene	**1.5**		**0.50**	**ppbv**	1	1/25/2022 06:15 AM
Propene	**17**		**0.50**	**ppbv**	1	1/25/2022 06:15 AM
Styrene	ND		0.50	ppbv	1	1/25/2022 06:15 AM
Tetrachloroethene	**1.5**		**0.50**	**ppbv**	1	1/25/2022 06:15 AM
Tetrahydrofuran	ND		0.50	ppbv	1	1/25/2022 06:15 AM
Toluene	**110**		**5.0**	**ppbv**	10	1/25/2022 05:59 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	1/25/2022 06:15 AM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	1/25/2022 06:15 AM
Trichloroethene	**0.33**		**0.20**	**ppbv**	1	1/25/2022 06:15 AM
Trichlorofluoromethane	ND		0.50	ppbv	1	1/25/2022 06:15 AM
Vinyl acetate	ND		1.0	ppbv	1	1/25/2022 06:15 AM
Vinyl chloride	ND		0.50	ppbv	1	1/25/2022 06:15 AM
Surr: Bromofluorobenzene	*85.2*		*60-140*	*%REC*	1	1/25/2022 06:15 AM
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	1/25/2022 06:15 AM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	1/25/2022 06:15 AM
1,1,2-Trichloroethane	ND		1.09	µg/m3	1	1/25/2022 06:15 AM
1,1-Dichloroethane	ND		2.02	µg/m3	1	1/25/2022 06:15 AM
1,1-Dichloroethene	ND		1.98	µg/m3	1	1/25/2022 06:15 AM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	1/25/2022 06:15 AM
1,2,4-Trimethylbenzene	**4.72**		**2.46**	**µg/m3**	1	1/25/2022 06:15 AM
1,2-Dibromoethane	ND		1.54	µg/m3	1	1/25/2022 06:15 AM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	1/25/2022 06:15 AM
1,2-Dichloroethane	ND		0.809	µg/m3	1	1/25/2022 06:15 AM
1,2-Dichloropropane	ND		2.31	µg/m3	1	1/25/2022 06:15 AM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	1/25/2022 06:15 AM
1,3-Butadiene	**1.59**		**0.442**	**µg/m3**	1	1/25/2022 06:15 AM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	1/25/2022 06:15 AM
1,4-Dichlorobenzene	ND		1.20	µg/m3	1	1/25/2022 06:15 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-3-(4.5-5)
Collection Date: 1/12/2022 03:33 PM

Work Order: 22010475
Lab ID: 22010475-07
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	1/25/2022 06:15 AM
2-Butanone	**13.8**		**2.95**	**µg/m3**	1	1/25/2022 06:15 AM
2-Hexanone	ND		4.10	µg/m3	1	1/25/2022 06:15 AM
2-Propanol	ND		2.46	µg/m3	1	1/25/2022 06:15 AM
4-Ethyltoluene	ND		2.46	µg/m3	1	1/25/2022 06:15 AM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	1/25/2022 06:15 AM
Acetone	**98.6**		**23.8**	**µg/m3**	10	1/25/2022 05:59 PM
Benzene	**3.10**		**1.60**	**µg/m3**	1	1/25/2022 06:15 AM
Benzyl chloride	ND		5.18	µg/m3	1	1/25/2022 06:15 AM
Bromodichloromethane	ND		1.34	µg/m3	1	1/25/2022 06:15 AM
Bromoform	ND		5.17	µg/m3	1	1/25/2022 06:15 AM
Bromomethane	ND		1.94	µg/m3	1	1/25/2022 06:15 AM
Carbon disulfide	**20.9**		**1.56**	**µg/m3**	1	1/25/2022 06:15 AM
Carbon tetrachloride	ND		3.15	µg/m3	1	1/25/2022 06:15 AM
Chlorobenzene	ND		2.30	µg/m3	1	1/25/2022 06:15 AM
Chloroethane	ND		1.32	µg/m3	1	1/25/2022 06:15 AM
Chloroform	ND		0.976	µg/m3	1	1/25/2022 06:15 AM
Chloromethane	ND		1.03	µg/m3	1	1/25/2022 06:15 AM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	1/25/2022 06:15 AM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	1/25/2022 06:15 AM
Cumene	ND		2.46	µg/m3	1	1/25/2022 06:15 AM
Cyclohexane	**42.5**		**1.72**	**µg/m3**	1	1/25/2022 06:15 AM
Dibromochloromethane	ND		4.26	µg/m3	1	1/25/2022 06:15 AM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	1/25/2022 06:15 AM
Ethyl acetate	ND		1.80	µg/m3	1	1/25/2022 06:15 AM
Ethylbenzene	**5.56**		**2.17**	**µg/m3**	1	1/25/2022 06:15 AM
Freon 113	ND		3.83	µg/m3	1	1/25/2022 06:15 AM
Freon 114	ND		3.50	µg/m3	1	1/25/2022 06:15 AM
Heptane	**39.6**		**2.05**	**µg/m3**	1	1/25/2022 06:15 AM
Hexachlorobutadiene	ND		2.13	µg/m3	1	1/25/2022 06:15 AM
Hexane	**65.6**		**1.76**	**µg/m3**	1	1/25/2022 06:15 AM
m,p-Xylene	**19.3**		**2.17**	**µg/m3**	1	1/25/2022 06:15 AM
Methylene chloride	ND		7.00	µg/m3	1	1/25/2022 06:15 AM
MTBE	ND		1.80	µg/m3	1	1/25/2022 06:15 AM
Naphthalene	ND		1.05	µg/m3	1	1/25/2022 06:15 AM
o-Xylene	**6.51**		**2.17**	**µg/m3**	1	1/25/2022 06:15 AM
Propene	**29.7**		**0.861**	**µg/m3**	1	1/25/2022 06:15 AM
Styrene	ND		2.13	µg/m3	1	1/25/2022 06:15 AM
Tetrachloroethene	**10.4**		**3.39**	**µg/m3**	1	1/25/2022 06:15 AM
Tetrahydrofuran	ND		1.47	µg/m3	1	1/25/2022 06:15 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-3-(4.5-5)
Collection Date: 1/12/2022 03:33 PM

Work Order: 22010475
Lab ID: 22010475-07
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	**410**		**18.8**	**µg/m3**	10	1/25/2022 05:59 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	1/25/2022 06:15 AM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	1/25/2022 06:15 AM
Trichloroethene	**1.77**		**1.07**	**µg/m3**	1	1/25/2022 06:15 AM
Trichlorofluoromethane	ND		2.81	µg/m3	1	1/25/2022 06:15 AM
Vinyl acetate	ND		3.52	µg/m3	1	1/25/2022 06:15 AM
Vinyl chloride	ND		1.28	µg/m3	1	1/25/2022 06:15 AM
Surr: Bromofluorobenzene	*85.2*		*60-140*	*%REC*	1	1/25/2022 06:15 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-2-(4.5-5)
Collection Date: 1/12/2022 04:19 PM

Work Order: 22010475
Lab ID: 22010475-09
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		20	ppbv	40	1/27/2022 08:57 AM
1,1,2,2-Tetrachloroethane	ND		20	ppbv	40	1/27/2022 08:57 AM
1,1,2-Trichloroethane	ND		8.0	ppbv	40	1/27/2022 08:57 AM
1,1-Dichloroethane	ND		20	ppbv	40	1/27/2022 08:57 AM
1,1-Dichloroethene	ND		20	ppbv	40	1/27/2022 08:57 AM
1,2,4-Trichlorobenzene	ND		20	ppbv	40	1/27/2022 08:57 AM
1,2,4-Trimethylbenzene	ND		20	ppbv	40	1/27/2022 08:57 AM
1,2-Dibromoethane	ND		8.0	ppbv	40	1/27/2022 08:57 AM
1,2-Dichlorobenzene	ND		20	ppbv	40	1/27/2022 08:57 AM
1,2-Dichloroethane	ND		8.0	ppbv	40	1/27/2022 08:57 AM
1,2-Dichloropropane	ND		20	ppbv	40	1/27/2022 08:57 AM
1,3,5-Trimethylbenzene	ND		20	ppbv	40	1/27/2022 08:57 AM
1,3-Butadiene	ND		8.0	ppbv	40	1/27/2022 08:57 AM
1,3-Dichlorobenzene	ND		20	ppbv	40	1/27/2022 08:57 AM
1,4-Dichlorobenzene	ND		8.0	ppbv	40	1/27/2022 08:57 AM
1,4-Dioxane	ND		40	ppbv	40	1/27/2022 08:57 AM
2-Butanone	ND		40	ppbv	40	1/27/2022 08:57 AM
2-Hexanone	ND		40	ppbv	40	1/27/2022 08:57 AM
2-Propanol	ND		40	ppbv	40	1/27/2022 08:57 AM
4-Ethyltoluene	ND		20	ppbv	40	1/27/2022 08:57 AM
4-Methyl-2-pentanone	ND		40	ppbv	40	1/27/2022 08:57 AM
Acetone	ND		40	ppbv	40	1/27/2022 08:57 AM
Benzene	ND		20	ppbv	40	1/27/2022 08:57 AM
Benzyl chloride	ND		40	ppbv	40	1/27/2022 08:57 AM
Bromodichloromethane	ND		8.0	ppbv	40	1/27/2022 08:57 AM
Bromoform	ND		20	ppbv	40	1/27/2022 08:57 AM
Bromomethane	ND		20	ppbv	40	1/27/2022 08:57 AM
Carbon disulfide	ND		20	ppbv	40	1/27/2022 08:57 AM
Carbon tetrachloride	ND		20	ppbv	40	1/27/2022 08:57 AM
Chlorobenzene	ND		20	ppbv	40	1/27/2022 08:57 AM
Chloroethane	ND		20	ppbv	40	1/27/2022 08:57 AM
Chloroform	ND		8.0	ppbv	40	1/27/2022 08:57 AM
Chloromethane	ND		20	ppbv	40	1/27/2022 08:57 AM
cis-1,2-Dichloroethene	ND		20	ppbv	40	1/27/2022 08:57 AM
cis-1,3-Dichloropropene	ND		20	ppbv	40	1/27/2022 08:57 AM
Cumene	ND		20	ppbv	40	1/27/2022 08:57 AM
Cyclohexane	ND		20	ppbv	40	1/27/2022 08:57 AM
Dibromochloromethane	ND		20	ppbv	40	1/27/2022 08:57 AM
Dichlorodifluoromethane	ND		20	ppbv	40	1/27/2022 08:57 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-2-(4.5-5)
Collection Date: 1/12/2022 04:19 PM

Work Order: 22010475
Lab ID: 22010475-09
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		20	ppbv	40	1/27/2022 08:57 AM
Ethylbenzene	ND		20	ppbv	40	1/27/2022 08:57 AM
Freon 113	ND		20	ppbv	40	1/27/2022 08:57 AM
Freon 114	ND		20	ppbv	40	1/27/2022 08:57 AM
Heptane	ND		20	ppbv	40	1/27/2022 08:57 AM
Hexachlorobutadiene	ND		8.0	ppbv	40	1/27/2022 08:57 AM
Hexane	ND		20	ppbv	40	1/27/2022 08:57 AM
m,p-Xylene	ND		20	ppbv	40	1/27/2022 08:57 AM
Methylene chloride	ND		80	ppbv	40	1/27/2022 08:57 AM
MTBE	ND		20	ppbv	40	1/27/2022 08:57 AM
Naphthalene	ND		8.0	ppbv	40	1/27/2022 08:57 AM
o-Xylene	ND		20	ppbv	40	1/27/2022 08:57 AM
Propene	ND		20	ppbv	40	1/27/2022 08:57 AM
Styrene	ND		20	ppbv	40	1/27/2022 08:57 AM
Tetrachloroethene	**13,000**		**2,500**	**ppbv**	5000	1/25/2022 09:37 PM
Tetrahydrofuran	ND		20	ppbv	40	1/27/2022 08:57 AM
Toluene	ND		20	ppbv	40	1/27/2022 08:57 AM
trans-1,2-Dichloroethene	ND		20	ppbv	40	1/27/2022 08:57 AM
trans-1,3-Dichloropropene	ND		20	ppbv	40	1/27/2022 08:57 AM
Trichloroethene	**160**		**8.0**	**ppbv**	40	1/27/2022 08:57 AM
Trichlorofluoromethane	ND		20	ppbv	40	1/27/2022 08:57 AM
Vinyl acetate	ND		40	ppbv	40	1/27/2022 08:57 AM
Vinyl chloride	ND		20	ppbv	40	1/27/2022 08:57 AM
Surr: Bromofluorobenzene	*73.6*		*60-140*	*%REC*	40	1/27/2022 08:57 AM
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		109	µg/m3	40	1/27/2022 08:57 AM
1,1,2,2-Tetrachloroethane	ND		137	µg/m3	40	1/27/2022 08:57 AM
1,1,2-Trichloroethane	ND		43.6	µg/m3	40	1/27/2022 08:57 AM
1,1-Dichloroethane	ND		80.9	µg/m3	40	1/27/2022 08:57 AM
1,1-Dichloroethene	ND		79.3	µg/m3	40	1/27/2022 08:57 AM
1,2,4-Trichlorobenzene	ND		148	µg/m3	40	1/27/2022 08:57 AM
1,2,4-Trimethylbenzene	ND		98.3	µg/m3	40	1/27/2022 08:57 AM
1,2-Dibromoethane	ND		61.5	µg/m3	40	1/27/2022 08:57 AM
1,2-Dichlorobenzene	ND		120	µg/m3	40	1/27/2022 08:57 AM
1,2-Dichloroethane	ND		32.4	µg/m3	40	1/27/2022 08:57 AM
1,2-Dichloropropane	ND		92.4	µg/m3	40	1/27/2022 08:57 AM
1,3,5-Trimethylbenzene	ND		98.3	µg/m3	40	1/27/2022 08:57 AM
1,3-Butadiene	ND		17.7	µg/m3	40	1/27/2022 08:57 AM
1,3-Dichlorobenzene	ND		120	µg/m3	40	1/27/2022 08:57 AM
1,4-Dichlorobenzene	ND		48.1	µg/m3	40	1/27/2022 08:57 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-2-(4.5-5)
Collection Date: 1/12/2022 04:19 PM

Work Order: 22010475
Lab ID: 22010475-09
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		144	µg/m3	40	1/27/2022 08:57 AM
2-Butanone	ND		118	µg/m3	40	1/27/2022 08:57 AM
2-Hexanone	ND		164	µg/m3	40	1/27/2022 08:57 AM
2-Propanol	ND		98.3	µg/m3	40	1/27/2022 08:57 AM
4-Ethyltoluene	ND		98.3	µg/m3	40	1/27/2022 08:57 AM
4-Methyl-2-pentanone	ND		164	µg/m3	40	1/27/2022 08:57 AM
Acetone	ND		95.0	µg/m3	40	1/27/2022 08:57 AM
Benzene	ND		63.9	µg/m3	40	1/27/2022 08:57 AM
Benzyl chloride	ND		207	µg/m3	40	1/27/2022 08:57 AM
Bromodichloromethane	ND		53.6	µg/m3	40	1/27/2022 08:57 AM
Bromoform	ND		207	µg/m3	40	1/27/2022 08:57 AM
Bromomethane	ND		77.7	µg/m3	40	1/27/2022 08:57 AM
Carbon disulfide	ND		62.3	µg/m3	40	1/27/2022 08:57 AM
Carbon tetrachloride	ND		126	µg/m3	40	1/27/2022 08:57 AM
Chlorobenzene	ND		92.1	µg/m3	40	1/27/2022 08:57 AM
Chloroethane	ND		52.8	µg/m3	40	1/27/2022 08:57 AM
Chloroform	ND		39.1	µg/m3	40	1/27/2022 08:57 AM
Chloromethane	ND		41.3	µg/m3	40	1/27/2022 08:57 AM
cis-1,2-Dichloroethene	ND		79.3	µg/m3	40	1/27/2022 08:57 AM
cis-1,3-Dichloropropene	ND		90.8	µg/m3	40	1/27/2022 08:57 AM
Cumene	ND		98.3	µg/m3	40	1/27/2022 08:57 AM
Cyclohexane	ND		68.8	µg/m3	40	1/27/2022 08:57 AM
Dibromochloromethane	ND		170	µg/m3	40	1/27/2022 08:57 AM
Dichlorodifluoromethane	ND		98.9	µg/m3	40	1/27/2022 08:57 AM
Ethyl acetate	ND		72.1	µg/m3	40	1/27/2022 08:57 AM
Ethylbenzene	ND		86.8	µg/m3	40	1/27/2022 08:57 AM
Freon 113	ND		153	µg/m3	40	1/27/2022 08:57 AM
Freon 114	ND		140	µg/m3	40	1/27/2022 08:57 AM
Heptane	ND		82.0	µg/m3	40	1/27/2022 08:57 AM
Hexachlorobutadiene	ND		85.3	µg/m3	40	1/27/2022 08:57 AM
Hexane	ND		70.5	µg/m3	40	1/27/2022 08:57 AM
m,p-Xylene	ND		86.8	µg/m3	40	1/27/2022 08:57 AM
Methylene chloride	ND		280	µg/m3	40	1/27/2022 08:57 AM
MTBE	ND		72.1	µg/m3	40	1/27/2022 08:57 AM
Naphthalene	ND		41.9	µg/m3	40	1/27/2022 08:57 AM
o-Xylene	ND		86.8	µg/m3	40	1/27/2022 08:57 AM
Propene	ND		34.4	µg/m3	40	1/27/2022 08:57 AM
Styrene	ND		85.2	µg/m3	40	1/27/2022 08:57 AM
Tetrachloroethene	**86,800**		**17,000**	**µg/m3**	5000	1/25/2022 09:37 PM
Tetrahydrofuran	ND		59.0	µg/m3	40	1/27/2022 08:57 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-2-(4.5-5)
Collection Date: 1/12/2022 04:19 PM

Work Order: 22010475
Lab ID: 22010475-09
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	ND		75.4	µg/m3	40	1/27/2022 08:57 AM
trans-1,2-Dichloroethene	ND		79.3	µg/m3	40	1/27/2022 08:57 AM
trans-1,3-Dichloropropene	ND		90.8	µg/m3	40	1/27/2022 08:57 AM
Trichloroethene	**843**		**43.0**	**µg/m3**	40	1/27/2022 08:57 AM
Trichlorofluoromethane	ND		112	µg/m3	40	1/27/2022 08:57 AM
Vinyl acetate	ND		141	µg/m3	40	1/27/2022 08:57 AM
Vinyl chloride	ND		51.1	µg/m3	40	1/27/2022 08:57 AM
Surr: Bromofluorobenzene	*73.6*		*60-140*	*%REC*	40	1/27/2022 08:57 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-7-(16.5-17)
Collection Date: 1/13/2022 10:04 AM

Work Order: 22010475
Lab ID: 22010475-10
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		20	ppbv	40	1/27/2022 09:41 AM
1,1,2,2-Tetrachloroethane	ND		20	ppbv	40	1/27/2022 09:41 AM
1,1,2-Trichloroethane	ND		8.0	ppbv	40	1/27/2022 09:41 AM
1,1-Dichloroethane	ND		20	ppbv	40	1/27/2022 09:41 AM
1,1-Dichloroethene	**20**		**20**	**ppbv**	40	1/27/2022 09:41 AM
1,2,4-Trichlorobenzene	ND		20	ppbv	40	1/27/2022 09:41 AM
1,2,4-Trimethylbenzene	ND		20	ppbv	40	1/27/2022 09:41 AM
1,2-Dibromoethane	ND		8.0	ppbv	40	1/27/2022 09:41 AM
1,2-Dichlorobenzene	ND		20	ppbv	40	1/27/2022 09:41 AM
1,2-Dichloroethane	ND		8.0	ppbv	40	1/27/2022 09:41 AM
1,2-Dichloropropane	ND		20	ppbv	40	1/27/2022 09:41 AM
1,3,5-Trimethylbenzene	ND		20	ppbv	40	1/27/2022 09:41 AM
1,3-Butadiene	ND		8.0	ppbv	40	1/27/2022 09:41 AM
1,3-Dichlorobenzene	ND		20	ppbv	40	1/27/2022 09:41 AM
1,4-Dichlorobenzene	ND		8.0	ppbv	40	1/27/2022 09:41 AM
1,4-Dioxane	ND		40	ppbv	40	1/27/2022 09:41 AM
2-Butanone	ND		40	ppbv	40	1/27/2022 09:41 AM
2-Hexanone	ND		40	ppbv	40	1/27/2022 09:41 AM
2-Propanol	ND		40	ppbv	40	1/27/2022 09:41 AM
4-Ethyltoluene	ND		20	ppbv	40	1/27/2022 09:41 AM
4-Methyl-2-pentanone	ND		40	ppbv	40	1/27/2022 09:41 AM
Acetone	ND		40	ppbv	40	1/27/2022 09:41 AM
Benzene	**230**		**20**	**ppbv**	40	1/27/2022 09:41 AM
Benzyl chloride	**69**		**40**	**ppbv**	40	1/27/2022 09:41 AM
Bromodichloromethane	ND		8.0	ppbv	40	1/27/2022 09:41 AM
Bromoform	ND		20	ppbv	40	1/27/2022 09:41 AM
Bromomethane	ND		20	ppbv	40	1/27/2022 09:41 AM
Carbon disulfide	ND		20	ppbv	40	1/27/2022 09:41 AM
Carbon tetrachloride	ND		20	ppbv	40	1/27/2022 09:41 AM
Chlorobenzene	ND		20	ppbv	40	1/27/2022 09:41 AM
Chloroethane	ND		20	ppbv	40	1/27/2022 09:41 AM
Chloroform	ND		8.0	ppbv	40	1/27/2022 09:41 AM
Chloromethane	ND		20	ppbv	40	1/27/2022 09:41 AM
cis-1,2-Dichloroethene	**960**		**20**	**ppbv**	40	1/27/2022 09:41 AM
cis-1,3-Dichloropropene	ND		20	ppbv	40	1/27/2022 09:41 AM
Cumene	**22**		**20**	**ppbv**	40	1/27/2022 09:41 AM
Cyclohexane	**21,000**		**2,500**	**ppbv**	5000	1/25/2022 11:49 PM
Dibromochloromethane	ND		20	ppbv	40	1/27/2022 09:41 AM
Dichlorodifluoromethane	ND		20	ppbv	40	1/27/2022 09:41 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-7-(16.5-17)
Collection Date: 1/13/2022 10:04 AM

Work Order: 22010475
Lab ID: 22010475-10
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		20	ppbv	40	1/27/2022 09:41 AM
Ethylbenzene	**25**		**20**	**ppbv**	40	1/27/2022 09:41 AM
Freon 113	ND		20	ppbv	40	1/27/2022 09:41 AM
Freon 114	ND		20	ppbv	40	1/27/2022 09:41 AM
Heptane	**21,000**		**2,500**	**ppbv**	5000	1/25/2022 11:49 PM
Hexachlorobutadiene	ND		8.0	ppbv	40	1/27/2022 09:41 AM
Hexane	**64,000**		**2,500**	**ppbv**	5000	1/25/2022 11:49 PM
m,p-Xylene	ND		20	ppbv	40	1/27/2022 09:41 AM
Methylene chloride	ND		80	ppbv	40	1/27/2022 09:41 AM
MTBE	ND		20	ppbv	40	1/27/2022 09:41 AM
Naphthalene	ND		8.0	ppbv	40	1/27/2022 09:41 AM
o-Xylene	ND		20	ppbv	40	1/27/2022 09:41 AM
Propene	**270**		**20**	**ppbv**	40	1/27/2022 09:41 AM
Styrene	ND		20	ppbv	40	1/27/2022 09:41 AM
Tetrachloroethene	**2,000**		**1,000**	**ppbv**	5000	1/25/2022 11:49 PM
Tetrahydrofuran	**56**		**20**	**ppbv**	40	1/27/2022 09:41 AM
Toluene	**260**		**20**	**ppbv**	40	1/27/2022 09:41 AM
trans-1,2-Dichloroethene	ND		20	ppbv	40	1/27/2022 09:41 AM
trans-1,3-Dichloropropene	ND		20	ppbv	40	1/27/2022 09:41 AM
Trichloroethene	**3,700**		**1,000**	**ppbv**	5000	1/25/2022 11:49 PM
Trichlorofluoromethane	ND		20	ppbv	40	1/27/2022 09:41 AM
Vinyl acetate	ND		40	ppbv	40	1/27/2022 09:41 AM
Vinyl chloride	**120**		**20**	**ppbv**	40	1/27/2022 09:41 AM
Surr: Bromofluorobenzene	*111*		*60-140*	*%REC*	40	1/27/2022 09:41 AM
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		109	µg/m3	40	1/27/2022 09:41 AM
1,1,2,2-Tetrachloroethane	ND		137	µg/m3	40	1/27/2022 09:41 AM
1,1,2-Trichloroethane	ND		43.6	µg/m3	40	1/27/2022 09:41 AM
1,1-Dichloroethane	ND		80.9	µg/m3	40	1/27/2022 09:41 AM
1,1-Dichloroethene	**80.9**		**79.3**	**µg/m3**	40	1/27/2022 09:41 AM
1,2,4-Trichlorobenzene	ND		148	µg/m3	40	1/27/2022 09:41 AM
1,2,4-Trimethylbenzene	ND		98.3	µg/m3	40	1/27/2022 09:41 AM
1,2-Dibromoethane	ND		61.5	µg/m3	40	1/27/2022 09:41 AM
1,2-Dichlorobenzene	ND		120	µg/m3	40	1/27/2022 09:41 AM
1,2-Dichloroethane	ND		32.4	µg/m3	40	1/27/2022 09:41 AM
1,2-Dichloropropane	ND		92.4	µg/m3	40	1/27/2022 09:41 AM
1,3,5-Trimethylbenzene	ND		98.3	µg/m3	40	1/27/2022 09:41 AM
1,3-Butadiene	ND		17.7	µg/m3	40	1/27/2022 09:41 AM
1,3-Dichlorobenzene	ND		120	µg/m3	40	1/27/2022 09:41 AM
1,4-Dichlorobenzene	ND		48.1	µg/m3	40	1/27/2022 09:41 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-7-(16.5-17)
Collection Date: 1/13/2022 10:04 AM

Work Order: 22010475
Lab ID: 22010475-10
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		144	µg/m3	40	1/27/2022 09:41 AM
2-Butanone	ND		118	µg/m3	40	1/27/2022 09:41 AM
2-Hexanone	ND		164	µg/m3	40	1/27/2022 09:41 AM
2-Propanol	ND		98.3	µg/m3	40	1/27/2022 09:41 AM
4-Ethyltoluene	ND		98.3	µg/m3	40	1/27/2022 09:41 AM
4-Methyl-2-pentanone	ND		164	µg/m3	40	1/27/2022 09:41 AM
Acetone	ND		95.0	µg/m3	40	1/27/2022 09:41 AM
Benzene	**731**		**63.9**	**µg/m3**	40	1/27/2022 09:41 AM
Benzyl chloride	**358**		**207**	**µg/m3**	40	1/27/2022 09:41 AM
Bromodichloromethane	ND		53.6	µg/m3	40	1/27/2022 09:41 AM
Bromoform	ND		207	µg/m3	40	1/27/2022 09:41 AM
Bromomethane	ND		77.7	µg/m3	40	1/27/2022 09:41 AM
Carbon disulfide	ND		62.3	µg/m3	40	1/27/2022 09:41 AM
Carbon tetrachloride	ND		126	µg/m3	40	1/27/2022 09:41 AM
Chlorobenzene	ND		92.1	µg/m3	40	1/27/2022 09:41 AM
Chloroethane	ND		52.8	µg/m3	40	1/27/2022 09:41 AM
Chloroform	ND		39.1	µg/m3	40	1/27/2022 09:41 AM
Chloromethane	ND		41.3	µg/m3	40	1/27/2022 09:41 AM
cis-1,2-Dichloroethene	**3,790**		**79.3**	**µg/m3**	40	1/27/2022 09:41 AM
cis-1,3-Dichloropropene	ND		90.8	µg/m3	40	1/27/2022 09:41 AM
Cumene	**108**		**98.3**	**µg/m3**	40	1/27/2022 09:41 AM
Cyclohexane	**72,100**		**8,610**	**µg/m3**	5000	1/25/2022 11:49 PM
Dibromochloromethane	ND		170	µg/m3	40	1/27/2022 09:41 AM
Dichlorodifluoromethane	ND		98.9	µg/m3	40	1/27/2022 09:41 AM
Ethyl acetate	ND		72.1	µg/m3	40	1/27/2022 09:41 AM
Ethylbenzene	**109**		**86.8**	**µg/m3**	40	1/27/2022 09:41 AM
Freon 113	ND		153	µg/m3	40	1/27/2022 09:41 AM
Freon 114	ND		140	µg/m3	40	1/27/2022 09:41 AM
Heptane	**86,300**		**10,200**	**µg/m3**	5000	1/25/2022 11:49 PM
Hexachlorobutadiene	ND		85.3	µg/m3	40	1/27/2022 09:41 AM
Hexane	**226,000**		**8,810**	**µg/m3**	5000	1/25/2022 11:49 PM
m,p-Xylene	ND		86.8	µg/m3	40	1/27/2022 09:41 AM
Methylene chloride	ND		280	µg/m3	40	1/27/2022 09:41 AM
MTBE	ND		72.1	µg/m3	40	1/27/2022 09:41 AM
Naphthalene	ND		41.9	µg/m3	40	1/27/2022 09:41 AM
o-Xylene	ND		86.8	µg/m3	40	1/27/2022 09:41 AM
Propene	**467**		**34.4**	**µg/m3**	40	1/27/2022 09:41 AM
Styrene	ND		85.2	µg/m3	40	1/27/2022 09:41 AM
Tetrachloroethene	**13,600**		**6,780**	**µg/m3**	5000	1/25/2022 11:49 PM
Tetrahydrofuran	**166**		**59.0**	**µg/m3**	40	1/27/2022 09:41 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-7-(16.5-17)
Collection Date: 1/13/2022 10:04 AM

Work Order: 22010475
Lab ID: 22010475-10
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	**983**		**75.4**	**µg/m3**	40	1/27/2022 09:41 AM
trans-1,2-Dichloroethene	ND		79.3	µg/m3	40	1/27/2022 09:41 AM
trans-1,3-Dichloropropene	ND		90.8	µg/m3	40	1/27/2022 09:41 AM
Trichloroethene	**19,900**		**5,370**	**µg/m3**	5000	1/25/2022 11:49 PM
Trichlorofluoromethane	ND		112	µg/m3	40	1/27/2022 09:41 AM
Vinyl acetate	ND		141	µg/m3	40	1/27/2022 09:41 AM
Vinyl chloride	**317**		**51.1**	**µg/m3**	40	1/27/2022 09:41 AM
Surr: Bromofluorobenzene	*111*		*60-140*	*%REC*	40	1/27/2022 09:41 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-7(4.5-5)
Collection Date: 1/13/2022 10:06 AM

Work Order: 22010475
Lab ID: 22010475-11
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		0.50	ppbv	1	1/25/2022 07:14 AM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	1/25/2022 07:14 AM
1,1,2-Trichloroethane	ND		0.20	ppbv	1	1/25/2022 07:14 AM
1,1-Dichloroethane	ND		0.50	ppbv	1	1/25/2022 07:14 AM
1,1-Dichloroethene	ND		0.50	ppbv	1	1/25/2022 07:14 AM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	1/25/2022 07:14 AM
1,2,4-Trimethylbenzene	**1.0**		**0.50**	**ppbv**	1	1/25/2022 07:14 AM
1,2-Dibromoethane	ND		0.20	ppbv	1	1/25/2022 07:14 AM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	1/25/2022 07:14 AM
1,2-Dichloroethane	ND		0.20	ppbv	1	1/25/2022 07:14 AM
1,2-Dichloropropane	ND		0.50	ppbv	1	1/25/2022 07:14 AM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	1/25/2022 07:14 AM
1,3-Butadiene	**0.80**		**0.20**	**ppbv**	1	1/25/2022 07:14 AM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	1/25/2022 07:14 AM
1,4-Dichlorobenzene	ND		0.20	ppbv	1	1/25/2022 07:14 AM
1,4-Dioxane	ND		1.0	ppbv	1	1/25/2022 07:14 AM
2-Butanone	**1.8**		**1.0**	**ppbv**	1	1/25/2022 07:14 AM
2-Hexanone	ND		1.0	ppbv	1	1/25/2022 07:14 AM
2-Propanol	ND		1.0	ppbv	1	1/25/2022 07:14 AM
4-Ethyltoluene	ND		0.50	ppbv	1	1/25/2022 07:14 AM
4-Methyl-2-pentanone	ND		1.0	ppbv	1	1/25/2022 07:14 AM
Acetone	**24**		**1.0**	**ppbv**	1	1/25/2022 07:14 AM
Benzene	**1.5**		**0.50**	**ppbv**	1	1/25/2022 07:14 AM
Benzyl chloride	ND		1.0	ppbv	1	1/25/2022 07:14 AM
Bromodichloromethane	ND		0.20	ppbv	1	1/25/2022 07:14 AM
Bromoform	ND		0.50	ppbv	1	1/25/2022 07:14 AM
Bromomethane	ND		0.50	ppbv	1	1/25/2022 07:14 AM
Carbon disulfide	**1.3**		**0.50**	**ppbv**	1	1/25/2022 07:14 AM
Carbon tetrachloride	ND		0.50	ppbv	1	1/25/2022 07:14 AM
Chlorobenzene	ND		0.50	ppbv	1	1/25/2022 07:14 AM
Chloroethane	ND		0.50	ppbv	1	1/25/2022 07:14 AM
Chloroform	ND		0.20	ppbv	1	1/25/2022 07:14 AM
Chloromethane	ND		0.50	ppbv	1	1/25/2022 07:14 AM
cis-1,2-Dichloroethene	**0.96**		**0.50**	**ppbv**	1	1/25/2022 07:14 AM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	1/25/2022 07:14 AM
Cumene	ND		0.50	ppbv	1	1/25/2022 07:14 AM
Cyclohexane	**5.7**		**0.50**	**ppbv**	1	1/25/2022 07:14 AM
Dibromochloromethane	ND		0.50	ppbv	1	1/25/2022 07:14 AM
Dichlorodifluoromethane	ND		0.50	ppbv	1	1/25/2022 07:14 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-7(4.5-5)
Collection Date: 1/13/2022 10:06 AM

Work Order: 22010475
Lab ID: 22010475-11
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	1/25/2022 07:14 AM
Ethylbenzene	**1.7**		**0.50**	**ppbv**	1	1/25/2022 07:14 AM
Freon 113	ND		0.50	ppbv	1	1/25/2022 07:14 AM
Freon 114	ND		0.50	ppbv	1	1/25/2022 07:14 AM
Heptane	**5.2**		**0.50**	**ppbv**	1	1/25/2022 07:14 AM
Hexachlorobutadiene	ND		0.20	ppbv	1	1/25/2022 07:14 AM
Hexane	**5.2**		**0.50**	**ppbv**	1	1/25/2022 07:14 AM
m,p-Xylene	**5.6**		**0.50**	**ppbv**	1	1/25/2022 07:14 AM
Methylene chloride	ND		2.0	ppbv	1	1/25/2022 07:14 AM
MTBE	ND		0.50	ppbv	1	1/25/2022 07:14 AM
Naphthalene	ND		0.20	ppbv	1	1/25/2022 07:14 AM
o-Xylene	**1.9**		**0.50**	**ppbv**	1	1/25/2022 07:14 AM
Propene	**9.3**		**0.50**	**ppbv**	1	1/25/2022 07:14 AM
Styrene	ND		0.50	ppbv	1	1/25/2022 07:14 AM
Tetrachloroethene	**14**		**0.50**	**ppbv**	1	1/25/2022 07:14 AM
Tetrahydrofuran	ND		0.50	ppbv	1	1/25/2022 07:14 AM
Toluene	**150**		**5.0**	**ppbv**	10	1/25/2022 06:43 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	1/25/2022 07:14 AM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	1/25/2022 07:14 AM
Trichloroethene	**9.7**		**0.20**	**ppbv**	1	1/25/2022 07:14 AM
Trichlorofluoromethane	ND		0.50	ppbv	1	1/25/2022 07:14 AM
Vinyl acetate	ND		1.0	ppbv	1	1/25/2022 07:14 AM
Vinyl chloride	ND		0.50	ppbv	1	1/25/2022 07:14 AM
Surr: Bromofluorobenzene	*85.5*		*60-140*	*%REC*	1	1/25/2022 07:14 AM
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	1/25/2022 07:14 AM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	1/25/2022 07:14 AM
1,1,2-Trichloroethane	ND		1.09	µg/m3	1	1/25/2022 07:14 AM
1,1-Dichloroethane	ND		2.02	µg/m3	1	1/25/2022 07:14 AM
1,1-Dichloroethene	ND		1.98	µg/m3	1	1/25/2022 07:14 AM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	1/25/2022 07:14 AM
1,2,4-Trimethylbenzene	**5.01**		**2.46**	**µg/m3**	1	1/25/2022 07:14 AM
1,2-Dibromoethane	ND		1.54	µg/m3	1	1/25/2022 07:14 AM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	1/25/2022 07:14 AM
1,2-Dichloroethane	ND		0.809	µg/m3	1	1/25/2022 07:14 AM
1,2-Dichloropropane	ND		2.31	µg/m3	1	1/25/2022 07:14 AM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	1/25/2022 07:14 AM
1,3-Butadiene	**1.77**		**0.442**	**µg/m3**	1	1/25/2022 07:14 AM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	1/25/2022 07:14 AM
1,4-Dichlorobenzene	ND		1.20	µg/m3	1	1/25/2022 07:14 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-7(4.5-5)
Collection Date: 1/13/2022 10:06 AM

Work Order: 22010475
Lab ID: 22010475-11
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	1/25/2022 07:14 AM
2-Butanone	**5.31**		**2.95**	**µg/m3**	1	1/25/2022 07:14 AM
2-Hexanone	ND		4.10	µg/m3	1	1/25/2022 07:14 AM
2-Propanol	ND		2.46	µg/m3	1	1/25/2022 07:14 AM
4-Ethyltoluene	ND		2.46	µg/m3	1	1/25/2022 07:14 AM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	1/25/2022 07:14 AM
Acetone	**56.6**		**2.38**	**µg/m3**	1	1/25/2022 07:14 AM
Benzene	**4.82**		**1.60**	**µg/m3**	1	1/25/2022 07:14 AM
Benzyl chloride	ND		5.18	µg/m3	1	1/25/2022 07:14 AM
Bromodichloromethane	ND		1.34	µg/m3	1	1/25/2022 07:14 AM
Bromoform	ND		5.17	µg/m3	1	1/25/2022 07:14 AM
Bromomethane	ND		1.94	µg/m3	1	1/25/2022 07:14 AM
Carbon disulfide	**4.05**		**1.56**	**µg/m3**	1	1/25/2022 07:14 AM
Carbon tetrachloride	ND		3.15	µg/m3	1	1/25/2022 07:14 AM
Chlorobenzene	ND		2.30	µg/m3	1	1/25/2022 07:14 AM
Chloroethane	ND		1.32	µg/m3	1	1/25/2022 07:14 AM
Chloroform	ND		0.976	µg/m3	1	1/25/2022 07:14 AM
Chloromethane	ND		1.03	µg/m3	1	1/25/2022 07:14 AM
cis-1,2-Dichloroethene	**3.81**		**1.98**	**µg/m3**	1	1/25/2022 07:14 AM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	1/25/2022 07:14 AM
Cumene	ND		2.46	µg/m3	1	1/25/2022 07:14 AM
Cyclohexane	**19.7**		**1.72**	**µg/m3**	1	1/25/2022 07:14 AM
Dibromochloromethane	ND		4.26	µg/m3	1	1/25/2022 07:14 AM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	1/25/2022 07:14 AM
Ethyl acetate	ND		1.80	µg/m3	1	1/25/2022 07:14 AM
Ethylbenzene	**7.47**		**2.17**	**µg/m3**	1	1/25/2022 07:14 AM
Freon 113	ND		3.83	µg/m3	1	1/25/2022 07:14 AM
Freon 114	ND		3.50	µg/m3	1	1/25/2022 07:14 AM
Heptane	**21.4**		**2.05**	**µg/m3**	1	1/25/2022 07:14 AM
Hexachlorobutadiene	ND		2.13	µg/m3	1	1/25/2022 07:14 AM
Hexane	**18.5**		**1.76**	**µg/m3**	1	1/25/2022 07:14 AM
m,p-Xylene	**24.3**		**2.17**	**µg/m3**	1	1/25/2022 07:14 AM
Methylene chloride	ND		7.00	µg/m3	1	1/25/2022 07:14 AM
MTBE	ND		1.80	µg/m3	1	1/25/2022 07:14 AM
Naphthalene	ND		1.05	µg/m3	1	1/25/2022 07:14 AM
o-Xylene	**8.12**		**2.17**	**µg/m3**	1	1/25/2022 07:14 AM
Propene	**15.9**		**0.861**	**µg/m3**	1	1/25/2022 07:14 AM
Styrene	ND		2.13	µg/m3	1	1/25/2022 07:14 AM
Tetrachloroethene	**96.6**		**3.39**	**µg/m3**	1	1/25/2022 07:14 AM
Tetrahydrofuran	ND		1.47	µg/m3	1	1/25/2022 07:14 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-7(4.5-5)
Collection Date: 1/13/2022 10:06 AM

Work Order: 22010475
Lab ID: 22010475-11
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	**550**		**18.8**	**µg/m3**	10	1/25/2022 06:43 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	1/25/2022 07:14 AM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	1/25/2022 07:14 AM
Trichloroethene	**52.3**		**1.07**	**µg/m3**	1	1/25/2022 07:14 AM
Trichlorofluoromethane	ND		2.81	µg/m3	1	1/25/2022 07:14 AM
Vinyl acetate	ND		3.52	µg/m3	1	1/25/2022 07:14 AM
Vinyl chloride	ND		1.28	µg/m3	1	1/25/2022 07:14 AM
Surr: Bromofluorobenzene	*85.5*		*60-140*	*%REC*	1	1/25/2022 07:14 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-8-(4.5-5)
Collection Date: 1/13/2022 11:29 AM

Work Order: 22010475
Lab ID: 22010475-12
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		0.50	ppbv	1	1/27/2022 11:07 AM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	1/27/2022 11:07 AM
1,1,2-Trichloroethane	ND		0.20	ppbv	1	1/27/2022 11:07 AM
1,1-Dichloroethane	ND		0.50	ppbv	1	1/27/2022 11:07 AM
1,1-Dichloroethene	ND		0.50	ppbv	1	1/27/2022 11:07 AM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	1/27/2022 11:07 AM
1,2,4-Trimethylbenzene	**1.4**		**0.50**	**ppbv**	1	1/27/2022 11:07 AM
1,2-Dibromoethane	ND		0.20	ppbv	1	1/27/2022 11:07 AM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	1/27/2022 11:07 AM
1,2-Dichloroethane	**3.9**		**0.20**	**ppbv**	1	1/27/2022 11:07 AM
1,2-Dichloropropane	ND		0.50	ppbv	1	1/27/2022 11:07 AM
1,3,5-Trimethylbenzene	**0.53**		**0.50**	**ppbv**	1	1/27/2022 11:07 AM
1,3-Butadiene	**0.47**		**0.20**	**ppbv**	1	1/27/2022 11:07 AM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	1/27/2022 11:07 AM
1,4-Dichlorobenzene	ND		0.20	ppbv	1	1/27/2022 11:07 AM
1,4-Dioxane	ND		1.0	ppbv	1	1/27/2022 11:07 AM
2-Butanone	**2.0**		**1.0**	**ppbv**	1	1/27/2022 11:07 AM
2-Hexanone	ND		1.0	ppbv	1	1/27/2022 11:07 AM
2-Propanol	**5.2**		**1.0**	**ppbv**	1	1/27/2022 11:07 AM
4-Ethyltoluene	**0.54**		**0.50**	**ppbv**	1	1/27/2022 11:07 AM
4-Methyl-2-pentanone	ND		1.0	ppbv	1	1/27/2022 11:07 AM
Acetone	**22**		**1.0**	**ppbv**	1	1/27/2022 11:07 AM
Benzene	**820**		**20**	**ppbv**	40	1/25/2022 08:54 PM
Benzyl chloride	ND		1.0	ppbv	1	1/27/2022 11:07 AM
Bromodichloromethane	ND		0.20	ppbv	1	1/27/2022 11:07 AM
Bromoform	ND		0.50	ppbv	1	1/27/2022 11:07 AM
Bromomethane	ND		0.50	ppbv	1	1/27/2022 11:07 AM
Carbon disulfide	**1.2**		**0.50**	**ppbv**	1	1/27/2022 11:07 AM
Carbon tetrachloride	ND		0.50	ppbv	1	1/27/2022 11:07 AM
Chlorobenzene	ND		0.50	ppbv	1	1/27/2022 11:07 AM
Chloroethane	ND		0.50	ppbv	1	1/27/2022 11:07 AM
Chloroform	ND		0.20	ppbv	1	1/27/2022 11:07 AM
Chloromethane	ND		0.50	ppbv	1	1/27/2022 11:07 AM
cis-1,2-Dichloroethene	**1.9**		**0.50**	**ppbv**	1	1/27/2022 11:07 AM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	1/27/2022 11:07 AM
Cumene	ND		0.50	ppbv	1	1/27/2022 11:07 AM
Cyclohexane	**8.9**		**0.50**	**ppbv**	1	1/27/2022 11:07 AM
Dibromochloromethane	ND		0.50	ppbv	1	1/27/2022 11:07 AM
Dichlorodifluoromethane	ND		0.50	ppbv	1	1/27/2022 11:07 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-8-(4.5-5)
Collection Date: 1/13/2022 11:29 AM

Work Order: 22010475
Lab ID: 22010475-12
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	1/27/2022 11:07 AM
Ethylbenzene	**3.6**		**0.50**	**ppbv**	1	1/27/2022 11:07 AM
Freon 113	ND		0.50	ppbv	1	1/27/2022 11:07 AM
Freon 114	ND		0.50	ppbv	1	1/27/2022 11:07 AM
Heptane	**81**		**20**	**ppbv**	40	1/25/2022 08:54 PM
Hexachlorobutadiene	ND		0.20	ppbv	1	1/27/2022 11:07 AM
Hexane	**57**		**20**	**ppbv**	40	1/25/2022 08:54 PM
m,p-Xylene	**12**		**0.50**	**ppbv**	1	1/27/2022 11:07 AM
Methylene chloride	ND		2.0	ppbv	1	1/27/2022 11:07 AM
MTBE	ND		0.50	ppbv	1	1/27/2022 11:07 AM
Naphthalene	ND		0.20	ppbv	1	1/27/2022 11:07 AM
o-Xylene	**3.4**		**0.50**	**ppbv**	1	1/27/2022 11:07 AM
Propene	**7.8**		**0.50**	**ppbv**	1	1/27/2022 11:07 AM
Styrene	ND		0.50	ppbv	1	1/27/2022 11:07 AM
Tetrachloroethene	**1.5**		**0.50**	**ppbv**	1	1/27/2022 11:07 AM
Tetrahydrofuran	ND		0.50	ppbv	1	1/27/2022 11:07 AM
Toluene	**190**		**20**	**ppbv**	40	1/25/2022 08:54 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	1/27/2022 11:07 AM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	1/27/2022 11:07 AM
Trichloroethene	**2.2**		**0.20**	**ppbv**	1	1/27/2022 11:07 AM
Trichlorofluoromethane	ND		0.50	ppbv	1	1/27/2022 11:07 AM
Vinyl acetate	ND		1.0	ppbv	1	1/27/2022 11:07 AM
Vinyl chloride	ND		0.50	ppbv	1	1/27/2022 11:07 AM
Surr: Bromofluorobenzene	*96.6*		*60-140*	*%REC*	1	1/27/2022 11:07 AM
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	1/27/2022 11:07 AM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	1/27/2022 11:07 AM
1,1,2-Trichloroethane	ND		1.09	µg/m3	1	1/27/2022 11:07 AM
1,1-Dichloroethane	ND		2.02	µg/m3	1	1/27/2022 11:07 AM
1,1-Dichloroethene	ND		1.98	µg/m3	1	1/27/2022 11:07 AM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	1/27/2022 11:07 AM
1,2,4-Trimethylbenzene	**6.64**		**2.46**	**µg/m3**	1	1/27/2022 11:07 AM
1,2-Dibromoethane	ND		1.54	µg/m3	1	1/27/2022 11:07 AM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	1/27/2022 11:07 AM
1,2-Dichloroethane	**15.8**		**0.809**	**µg/m3**	1	1/27/2022 11:07 AM
1,2-Dichloropropane	ND		2.31	µg/m3	1	1/27/2022 11:07 AM
1,3,5-Trimethylbenzene	**2.61**		**2.46**	**µg/m3**	1	1/27/2022 11:07 AM
1,3-Butadiene	**1.04**		**0.442**	**µg/m3**	1	1/27/2022 11:07 AM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	1/27/2022 11:07 AM
1,4-Dichlorobenzene	ND		1.20	µg/m3	1	1/27/2022 11:07 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-8-(4.5-5)
Collection Date: 1/13/2022 11:29 AM

Work Order: 22010475
Lab ID: 22010475-12
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	1/27/2022 11:07 AM
2-Butanone	**6.02**		**2.95**	**µg/m3**	1	1/27/2022 11:07 AM
2-Hexanone	ND		4.10	µg/m3	1	1/27/2022 11:07 AM
2-Propanol	**12.8**		**2.46**	**µg/m3**	1	1/27/2022 11:07 AM
4-Ethyltoluene	**2.65**		**2.46**	**µg/m3**	1	1/27/2022 11:07 AM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	1/27/2022 11:07 AM
Acetone	**51.5**		**2.38**	**µg/m3**	1	1/27/2022 11:07 AM
Benzene	**2,610**		**63.9**	**µg/m3**	40	1/25/2022 08:54 PM
Benzyl chloride	ND		5.18	µg/m3	1	1/27/2022 11:07 AM
Bromodichloromethane	ND		1.34	µg/m3	1	1/27/2022 11:07 AM
Bromoform	ND		5.17	µg/m3	1	1/27/2022 11:07 AM
Bromomethane	ND		1.94	µg/m3	1	1/27/2022 11:07 AM
Carbon disulfide	**3.64**		**1.56**	**µg/m3**	1	1/27/2022 11:07 AM
Carbon tetrachloride	ND		3.15	µg/m3	1	1/27/2022 11:07 AM
Chlorobenzene	ND		2.30	µg/m3	1	1/27/2022 11:07 AM
Chloroethane	ND		1.32	µg/m3	1	1/27/2022 11:07 AM
Chloroform	ND		0.976	µg/m3	1	1/27/2022 11:07 AM
Chloromethane	ND		1.03	µg/m3	1	1/27/2022 11:07 AM
cis-1,2-Dichloroethene	**7.45**		**1.98**	**µg/m3**	1	1/27/2022 11:07 AM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	1/27/2022 11:07 AM
Cumene	ND		2.46	µg/m3	1	1/27/2022 11:07 AM
Cyclohexane	**30.5**		**1.72**	**µg/m3**	1	1/27/2022 11:07 AM
Dibromochloromethane	ND		4.26	µg/m3	1	1/27/2022 11:07 AM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	1/27/2022 11:07 AM
Ethyl acetate	ND		1.80	µg/m3	1	1/27/2022 11:07 AM
Ethylbenzene	**15.5**		**2.17**	**µg/m3**	1	1/27/2022 11:07 AM
Freon 113	ND		3.83	µg/m3	1	1/27/2022 11:07 AM
Freon 114	ND		3.50	µg/m3	1	1/27/2022 11:07 AM
Heptane	**333**		**82.0**	**µg/m3**	40	1/25/2022 08:54 PM
Hexachlorobutadiene	ND		2.13	µg/m3	1	1/27/2022 11:07 AM
Hexane	**202**		**70.5**	**µg/m3**	40	1/25/2022 08:54 PM
m,p-Xylene	**52.5**		**2.17**	**µg/m3**	1	1/27/2022 11:07 AM
Methylene chloride	ND		7.00	µg/m3	1	1/27/2022 11:07 AM
MTBE	ND		1.80	µg/m3	1	1/27/2022 11:07 AM
Naphthalene	ND		1.05	µg/m3	1	1/27/2022 11:07 AM
o-Xylene	**15.0**		**2.17**	**µg/m3**	1	1/27/2022 11:07 AM
Propene	**13.4**		**0.861**	**µg/m3**	1	1/27/2022 11:07 AM
Styrene	ND		2.13	µg/m3	1	1/27/2022 11:07 AM
Tetrachloroethene	**10.2**		**3.39**	**µg/m3**	1	1/27/2022 11:07 AM
Tetrahydrofuran	ND		1.47	µg/m3	1	1/27/2022 11:07 AM

Note:

ALS Environmental

Date: *28-Jan-22*

Client: Tetra Tech
Project: 31st & Prospect Development
Sample ID: SG-8-(4.5-5)
Collection Date: 1/13/2022 11:29 AM

Work Order: 22010475
Lab ID: 22010475-12
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	**708**		**75.4**	**µg/m3**	40	1/25/2022 08:54 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	1/27/2022 11:07 AM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	1/27/2022 11:07 AM
Trichloroethene	**11.6**		**1.07**	**µg/m3**	1	1/27/2022 11:07 AM
Trichlorofluoromethane	ND		2.81	µg/m3	1	1/27/2022 11:07 AM
Vinyl acetate	ND		3.52	µg/m3	1	1/27/2022 11:07 AM
Vinyl chloride	ND		1.28	µg/m3	1	1/27/2022 11:07 AM
Surr: Bromofluorobenzene	*96.6*		*60-140*	*%REC*	1	1/27/2022 11:07 AM

Note:

ALS Environmental

Date: 28-Jan-22

Client: Tetra Tech

Work Order: 22010475

Project: 31st & Prospect Development

QC BATCH REPORT

Batch ID: **R200696** Instrument ID **VMS4** Method: **ETO-15**

MBLK Sample ID: **mblk-R200696** Units: **ppbv** Analysis Date: **1/24/2022 12:31 PM**

Client ID: Run ID: **VMS4_220124A** SeqNo: **2656247** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	0.50								
1,1,2,2-Tetrachloroethane	ND	0.50								
1,1,2-Trichloroethane	ND	0.20								
1,1-Dichloroethane	ND	0.50								
1,1-Dichloroethene	ND	0.50								
1,2,4-Trichlorobenzene	ND	0.50								
1,2,4-Trimethylbenzene	ND	0.50								
1,2-Dibromoethane	ND	0.20								
1,2-Dichlorobenzene	ND	0.50								
1,2-Dichloroethane	ND	0.20								
1,2-Dichloropropane	ND	0.50								
1,3,5-Trimethylbenzene	ND	0.50								
1,3-Butadiene	ND	0.20								
1,3-Dichlorobenzene	ND	0.50								
1,4-Dichlorobenzene	ND	0.20								
1,4-Dioxane	ND	1.0								
2-Butanone	ND	1.0								
2-Hexanone	ND	1.0								
2-Propanol	ND	1.0								
4-Ethyltoluene	ND	0.50								
4-Methyl-2-pentanone	ND	1.0								
Acetone	ND	1.0								
Benzene	ND	0.50								
Benzyl chloride	ND	1.0								
Bromodichloromethane	ND	0.20								
Bromoform	ND	0.50								
Bromomethane	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.50								
Chlorobenzene	ND	0.50								
Chloroethane	ND	0.50								
Chloroform	ND	0.20								
Chloromethane	ND	0.50								
cis-1,2-Dichloroethene	ND	0.50								
cis-1,3-Dichloropropene	ND	0.50								
Cumene	ND	0.50								
Cyclohexane	ND	0.50								
Dibromochloromethane	ND	0.50								
Dichlorodifluoromethane	ND	0.50								
Ethyl acetate	ND	0.50								
Ethylbenzene	ND	0.50								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 22010475
Project: 31st & Prospect Development

QC BATCH REPORT

Batch ID: **R200696** Instrument ID **VMS4** Method: **ETO-15**

Freon 113	ND	0.50					
Freon 114	ND	0.50					
Heptane	ND	0.50					
Hexachlorobutadiene	ND	0.20					
Hexane	ND	0.50					
m,p-Xylene	ND	0.50					
Methylene chloride	ND	2.0					
MTBE	ND	0.50					
Naphthalene	ND	0.20					
o-Xylene	ND	0.50					
Propene	ND	0.50					
Styrene	ND	0.50					
Tetrachloroethene	ND	0.50					
Tetrahydrofuran	ND	0.50					
Toluene	ND	0.50					
trans-1,2-Dichloroethene	ND	0.50					
trans-1,3-Dichloropropene	ND	0.50					
Trichloroethene	ND	0.20					
Trichlorofluoromethane	ND	0.50					
Vinyl acetate	ND	1.0					
Vinyl chloride	ND	0.50					
Surr: Bromofluorobenzene	*7.1*	0	*10*	0	*71*	*60-140*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 22010475
Project: 31st & Prospect Development

QC BATCH REPORT

Batch ID: **R200696** Instrument ID **VMS4** Method: **ETO-15**

LCS Sample ID: **LCS-R200696** Units: **ppbv** Analysis Date: **1/24/2022 10:58 AM**

Client ID: Run ID: **VMS4_220124A** SeqNo: **2656246** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	9.57	0.50	10	0	95.7	58.8-163	0			
1,1,2,2-Tetrachloroethane	10.29	0.50	10	0	103	60-140	0			
1,1,2-Trichloroethane	9.99	0.20	10	0	99.9	60-140	0			
1,1-Dichloroethane	9.88	0.50	10	0	98.8	60-140	0			
1,1-Dichloroethene	9.97	0.50	10	0	99.7	60-140	0			
1,2,4-Trichlorobenzene	6.52	0.50	10	0	65.2	49.3-150	0			
1,2,4-Trimethylbenzene	11.16	0.50	10	0	112	50.1-162	0			
1,2-Dibromoethane	9.93	0.20	10	0	99.3	60-140	0			
1,2-Dichlorobenzene	10.15	0.50	10	0	102	41.9-141	0			
1,2-Dichloroethane	9.91	0.20	10	0	99.1	60-140	0			
1,2-Dichloropropane	10.23	0.50	10	0	102	60-140	0			
1,3,5-Trimethylbenzene	10.79	0.50	10	0	108	60-140	0			
1,3-Butadiene	9.02	0.20	10	0	90.2	50.6-140	0			
1,3-Dichlorobenzene	10.51	0.50	10	0	105	60-140	0			
1,4-Dichlorobenzene	10.31	0.20	10	0	103	55.1-145	0			
1,4-Dioxane	9.74	1.0	10	0	97.4	60-140	0			
2-Butanone	11.69	1.0	10	0	117	60-140	0			
2-Hexanone	10.66	1.0	10	0	107	56.2-162	0			
2-Propanol	9.31	1.0	10	0	93.1	60-140	0			
4-Ethyltoluene	11.23	0.50	10	0	112	60-140	0			
4-Methyl-2-pentanone	10.61	1.0	10	0	106	60-140	0			
Acetone	8.78	1.0	10	0	87.8	60-140	0			
Benzene	9.85	0.50	10	0	98.5	60-140	0			
Benzyl chloride	9.22	1.0	10	0	92.2	31.9-174	0			
Bromodichloromethane	9.96	0.20	10	0	99.6	60-140	0			
Bromoform	10.16	0.50	10	0	102	60-140	0			
Bromomethane	10.85	0.50	10	0	108	60-140	0			
Carbon disulfide	9.68	0.50	10	0	96.8	60-140	0			
Carbon tetrachloride	9.87	0.50	10	0	98.7	60-140	0			
Chlorobenzene	9.71	0.50	10	0	97.1	60-140	0			
Chloroethane	10.13	0.50	10	0	101	60-140	0			
Chloroform	9.69	0.20	10	0	96.9	60-140	0			
Chloromethane	9.88	0.50	10	0	98.8	60-140	0			
cis-1,2-Dichloroethene	10.75	0.50	10	0	108	60-140	0			
cis-1,3-Dichloropropene	10.09	0.50	10	0	101	60-140	0			
Cumene	10.72	0.50	10	0	107	60-140	0			
Cyclohexane	10.97	0.50	10	0	110	60-140	0			
Dibromochloromethane	10.09	0.50	10	0	101	60-140	0			
Dichlorodifluoromethane	9.9	0.50	10	0	99	60-140	0			
Ethyl acetate	10.22	0.50	10	0	102	60-140	0			
Ethylbenzene	10.31	0.50	10	0	103	60-140	0			
Freon 113	9.66	0.50	10	0	96.6	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 22010475
Project: 31st & Prospect Development

QC BATCH REPORT

Batch ID: **R200696** Instrument ID **VMS4** Method: **ETO-15**

Freon 114	10.03	0.50	10	0	100	60-140	0
Heptane	10.13	0.50	10	0	101	60-140	0
Hexachlorobutadiene	9.19	0.20	10	0	91.9	60-140	0
Hexane	10.44	0.50	10	0	104	60-140	0
m,p-Xylene	21.21	0.50	20	0	106	60-140	0
Methylene chloride	9.49	2.0	10	0	94.9	60-140	0
MTBE	9.73	0.50	10	0	97.3	60.8-151	0
Naphthalene	6.99	0.20	10	0	69.9	53.1-152	0
o-Xylene	10.61	0.50	10	0	106	60-140	0
Propene	8.98	0.50	10	0	89.8	34.4-139	0
Styrene	11.18	0.50	10	0	112	60-140	0
Tetrachloroethene	9.65	0.50	10	0	96.5	60-140	0
Tetrahydrofuran	10.05	0.50	10	0	100	60-140	0
Toluene	10.18	0.50	10	0	102	60-140	0
trans-1,2-Dichloroethene	9.7	0.50	10	0	97	60-140	0
trans-1,3-Dichloropropene	10.12	0.50	10	0	101	60-140	0
Trichloroethene	9.74	0.20	10	0	97.4	60-140	0
Trichlorofluoromethane	9.69	0.50	10	0	96.9	60-140	0
Vinyl acetate	10.12	1.0	10	0	101	48.4-145	0
Vinyl chloride	9.64	0.50	10	0	96.4	60-140	0
Surr: Bromofluorobenzene	*10.37*	0	*10*	0	*104*	*60-140*	0

The following samples were analyzed in this batch: 22010475-01a 22010475-02a 22010475-03a 22010475-04a 22010475-07a 22010475-11a

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 22010475
Project: 31st & Prospect Development

QC BATCH REPORT

Batch ID: **R200747** Instrument ID **VMS4** Method: **ETO-15**

MBLK Sample ID: **mblk-R200747** Units: **ppbv** Analysis Date: **1/25/2022 01:45 PM**

Client ID: Run ID: **VMS4_220125A** SeqNo: **2656900** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	0.50								
1,1,2,2-Tetrachloroethane	ND	0.50								
1,1,2-Trichloroethane	ND	0.20								
1,1-Dichloroethane	ND	0.50								
1,1-Dichloroethene	ND	0.50								
1,2,4-Trichlorobenzene	ND	0.50								
1,2,4-Trimethylbenzene	ND	0.50								
1,2-Dibromoethane	ND	0.20								
1,2-Dichlorobenzene	ND	0.50								
1,2-Dichloroethane	ND	0.20								
1,2-Dichloropropane	ND	0.50								
1,3,5-Trimethylbenzene	ND	0.50								
1,3-Butadiene	ND	0.20								
1,3-Dichlorobenzene	ND	0.50								
1,4-Dichlorobenzene	ND	0.20								
1,4-Dioxane	ND	1.0								
2-Butanone	ND	1.0								
2-Hexanone	ND	1.0								
2-Propanol	ND	1.0								
4-Ethyltoluene	ND	0.50								
4-Methyl-2-pentanone	ND	1.0								
Acetone	ND	1.0								
Benzene	ND	0.50								
Benzyl chloride	ND	1.0								
Bromodichloromethane	ND	0.20								
Bromoform	ND	0.50								
Bromomethane	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.50								
Chlorobenzene	ND	0.50								
Chloroethane	ND	0.50								
Chloroform	ND	0.20								
Chloromethane	ND	0.50								
cis-1,2-Dichloroethene	ND	0.50								
cis-1,3-Dichloropropene	ND	0.50								
Cumene	ND	0.50								
Cyclohexane	ND	0.50								
Dibromochloromethane	ND	0.50								
Dichlorodifluoromethane	ND	0.50								
Ethyl acetate	ND	0.50								
Ethylbenzene	ND	0.50								
Freon 113	ND	0.50								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R200747** Instrument ID **VMS4** Method: **ETO-15**

Freon 114	ND	0.50					
Heptane	ND	0.50					
Hexachlorobutadiene	ND	0.20					
Hexane	ND	0.50					
m,p-Xylene	ND	0.50					
Methylene chloride	ND	2.0					
MTBE	ND	0.50					
Naphthalene	ND	0.20					
o-Xylene	ND	0.50					
Propene	ND	0.50					
Styrene	ND	0.50					
Tetrachloroethene	ND	0.50					
Tetrahydrofuran	ND	0.50					
Toluene	ND	0.50					
trans-1,2-Dichloroethene	ND	0.50					
trans-1,3-Dichloropropene	ND	0.50					
Trichloroethene	ND	0.20					
Trichlorofluoromethane	ND	0.50					
Vinyl acetate	ND	1.0					
Vinyl chloride	ND	0.50					
Surr: Bromofluorobenzene	*6.9*	0	*10*	0	*69*	*60-140*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 22010475
Project: 31st & Prospect Development

QC BATCH REPORT

Batch ID: **R200747** Instrument ID **VMS4** Method: **ETO-15**

LCS Sample ID: **LCS-R200747** Units: **ppbv** Analysis Date: **1/25/2022 12:19 PM**

Client ID: Run ID: **VMS4_220125A** SeqNo: **2656899** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	9.04	0.50	10	0	90.4	58.8-163	0			
1,1,2,2-Tetrachloroethane	9.97	0.50	10	0	99.7	60-140	0			
1,1,2-Trichloroethane	9.51	0.20	10	0	95.1	60-140	0			
1,1-Dichloroethane	9.69	0.50	10	0	96.9	60-140	0			
1,1-Dichloroethene	9.74	0.50	10	0	97.4	60-140	0			
1,2,4-Trichlorobenzene	5.4	0.50	10	0	54	49.3-150	0			
1,2,4-Trimethylbenzene	10.5	0.50	10	0	105	50.1-162	0			
1,2-Dibromoethane	9.45	0.20	10	0	94.5	60-140	0			
1,2-Dichlorobenzene	9.43	0.50	10	0	94.3	41.9-141	0			
1,2-Dichloroethane	9.59	0.20	10	0	95.9	60-140	0			
1,2-Dichloropropane	10.08	0.50	10	0	101	60-140	0			
1,3,5-Trimethylbenzene	10.11	0.50	10	0	101	60-140	0			
1,3-Butadiene	9.56	0.20	10	0	95.6	50.6-140	0			
1,3-Dichlorobenzene	9.57	0.50	10	0	95.7	60-140	0			
1,4-Dichlorobenzene	9.46	0.20	10	0	94.6	55.1-145	0			
1,4-Dioxane	9.37	1.0	10	0	93.7	60-140	0			
2-Butanone	11.36	1.0	10	0	114	60-140	0			
2-Hexanone	11.06	1.0	10	0	111	56.2-162	0			
2-Propanol	9.53	1.0	10	0	95.3	60-140	0			
4-Ethyltoluene	10.6	0.50	10	0	106	60-140	0			
4-Methyl-2-pentanone	10.81	1.0	10	0	108	60-140	0			
Acetone	8.9	1.0	10	0	89	60-140	0			
Benzene	9.5	0.50	10	0	95	60-140	0			
Benzyl chloride	8.44	1.0	10	0	84.4	31.9-174	0			
Bromodichloromethane	9.57	0.20	10	0	95.7	60-140	0			
Bromoform	9.17	0.50	10	0	91.7	60-140	0			
Bromomethane	10.89	0.50	10	0	109	60-140	0			
Carbon disulfide	9.46	0.50	10	0	94.6	60-140	0			
Carbon tetrachloride	9.22	0.50	10	0	92.2	60-140	0			
Chlorobenzene	9.27	0.50	10	0	92.7	60-140	0			
Chloroethane	10.48	0.50	10	0	105	60-140	0			
Chloroform	9.29	0.20	10	0	92.9	60-140	0			
Chloromethane	10.23	0.50	10	0	102	60-140	0			
cis-1,2-Dichloroethene	10.52	0.50	10	0	105	60-140	0			
cis-1,3-Dichloropropene	9.72	0.50	10	0	97.2	60-140	0			
Cumene	10.19	0.50	10	0	102	60-140	0			
Cyclohexane	10.55	0.50	10	0	106	60-140	0			
Dibromochloromethane	9.37	0.50	10	0	93.7	60-140	0			
Dichlorodifluoromethane	9.75	0.50	10	0	97.5	60-140	0			
Ethyl acetate	9.81	0.50	10	0	98.1	60-140	0			
Ethylbenzene	9.85	0.50	10	0	98.5	60-140	0			
Freon 113	9.22	0.50	10	0	92.2	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 22010475
Project: 31st & Prospect Development

QC BATCH REPORT

Batch ID: **R200747** Instrument ID **VMS4** Method: **ETO-15**

Freon 114	9.93	0.50	10	0	99.3	60-140	0
Heptane	10.25	0.50	10	0	102	60-140	0
Hexachlorobutadiene	8.6	0.20	10	0	86	60-140	0
Hexane	10.28	0.50	10	0	103	60-140	0
m,p-Xylene	20.39	0.50	20	0	102	60-140	0
Methylene chloride	9.57	2.0	10	0	95.7	60-140	0
MTBE	9.36	0.50	10	0	93.6	60.8-151	0
Naphthalene	6.18	0.20	10	0	61.8	53.1-152	0
o-Xylene	10.09	0.50	10	0	101	60-140	0
Propene	9.53	0.50	10	0	95.3	34.4-139	0
Styrene	10.47	0.50	10	0	105	60-140	0
Tetrachloroethene	9.05	0.50	10	0	90.5	60-140	0
Tetrahydrofuran	10.29	0.50	10	0	103	60-140	0
Toluene	9.77	0.50	10	0	97.7	60-140	0
trans-1,2-Dichloroethene	9.31	0.50	10	0	93.1	60-140	0
trans-1,3-Dichloropropene	9.81	0.50	10	0	98.1	60-140	0
Trichloroethene	9.24	0.20	10	0	92.4	60-140	0
Trichlorofluoromethane	9.13	0.50	10	0	91.3	60-140	0
Vinyl acetate	10.15	1.0	10	0	102	48.4-145	0
Vinyl chloride	9.97	0.50	10	0	99.7	60-140	0
Surr: Bromofluorobenzene	*10.21*	0	*10*	0	*102*	*60-140*	0

The following samples were analyzed in this batch:

22010475-01a	22010475-02a	22010475-03a
22010475-04a	22010475-05a	22010475-06a
22010475-07a	22010475-09a	22010475-10a
22010475-11a	22010475-12a	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 22010475
Project: 31st & Prospect Development

QC BATCH REPORT

Batch ID: **R200777** Instrument ID **VMS4** Method: **ETO-15**

MBLK Sample ID: **mblk-R200777** Units: **ppbv** Analysis Date: **1/26/2022 06:54 PM**

Client ID: Run ID: **VMS4_220126A** SeqNo: **2657494** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	0.50								
1,1,2,2-Tetrachloroethane	ND	0.50								
1,1,2-Trichloroethane	ND	0.20								
1,1-Dichloroethane	ND	0.50								
1,1-Dichloroethene	ND	0.50								
1,2,4-Trichlorobenzene	ND	0.50								
1,2,4-Trimethylbenzene	ND	0.50								
1,2-Dibromoethane	ND	0.20								
1,2-Dichlorobenzene	ND	0.50								
1,2-Dichloroethane	ND	0.20								
1,2-Dichloropropane	ND	0.50								
1,3,5-Trimethylbenzene	ND	0.50								
1,3-Butadiene	ND	0.20								
1,3-Dichlorobenzene	ND	0.50								
1,4-Dichlorobenzene	ND	0.20								
1,4-Dioxane	ND	1.0								
2-Butanone	ND	1.0								
2-Hexanone	ND	1.0								
2-Propanol	ND	1.0								
4-Ethyltoluene	ND	0.50								
4-Methyl-2-pentanone	ND	1.0								
Acetone	ND	1.0								
Benzene	ND	0.50								
Benzyl chloride	ND	1.0								
Bromodichloromethane	ND	0.20								
Bromoform	ND	0.50								
Bromomethane	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.50								
Chlorobenzene	ND	0.50								
Chloroethane	ND	0.50								
Chloroform	ND	0.20								
Chloromethane	ND	0.50								
cis-1,2-Dichloroethene	ND	0.50								
cis-1,3-Dichloropropene	ND	0.50								
Cumene	ND	0.50								
Cyclohexane	ND	0.50								
Dibromochloromethane	ND	0.50								
Dichlorodifluoromethane	ND	0.50								
Ethyl acetate	ND	0.50								
Ethylbenzene	ND	0.50								
Freon 113	ND	0.50								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 22010475
Project: 31st & Prospect Development

QC BATCH REPORT

Batch ID: **R200777** Instrument ID **VMS4** Method: **ETO-15**

Freon 114	ND	0.50					
Heptane	ND	0.50					
Hexachlorobutadiene	ND	0.20					
Hexane	ND	0.50					
m,p-Xylene	ND	0.50					
Methylene chloride	ND	2.0					
MTBE	ND	0.50					
Naphthalene	ND	0.20					
o-Xylene	ND	0.50					
Propene	ND	0.50					
Styrene	ND	0.50					
Tetrachloroethene	ND	0.50					
Tetrahydrofuran	ND	0.50					
Toluene	ND	0.50					
trans-1,2-Dichloroethene	ND	0.50					
trans-1,3-Dichloropropene	ND	0.50					
Trichloroethene	ND	0.20					
Trichlorofluoromethane	ND	0.50					
Vinyl acetate	ND	1.0					
Vinyl chloride	ND	0.50					
Surr: Bromofluorobenzene	*6.53*	0	*10*	0	*65.3*	*60-140*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 22010475
Project: 31st & Prospect Development

QC BATCH REPORT

Batch ID: **R200777** Instrument ID **VMS4** Method: **ETO-15**

LCS Sample ID: **LCS-R200777** Units: **ppbv** Analysis Date: **1/26/2022 04:43 PM**

Client ID: Run ID: **VMS4_220126A** SeqNo: **2657493** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	9.08	0.50	10	0	90.8	58.8-163	0			
1,1,2,2-Tetrachloroethane	9.19	0.50	10	0	91.9	60-140	0			
1,1,2-Trichloroethane	9.29	0.20	10	0	92.9	60-140	0			
1,1-Dichloroethane	9.37	0.50	10	0	93.7	60-140	0			
1,1-Dichloroethene	9.49	0.50	10	0	94.9	60-140	0			
1,2,4-Trichlorobenzene	6.15	0.50	10	0	61.5	49.3-150	0			
1,2,4-Trimethylbenzene	10.6	0.50	10	0	106	50.1-162	0			
1,2-Dibromoethane	9.5	0.20	10	0	95	60-140	0			
1,2-Dichlorobenzene	9.7	0.50	10	0	97	41.9-141	0			
1,2-Dichloroethane	9.37	0.20	10	0	93.7	60-140	0			
1,2-Dichloropropane	9.32	0.50	10	0	93.2	60-140	0			
1,3,5-Trimethylbenzene	10.12	0.50	10	0	101	60-140	0			
1,3-Butadiene	9.28	0.20	10	0	92.8	50.6-140	0			
1,3-Dichlorobenzene	10.1	0.50	10	0	101	60-140	0			
1,4-Dichlorobenzene	10.13	0.20	10	0	101	55.1-145	0			
1,4-Dioxane	9.66	1.0	10	0	96.6	60-140	0			
2-Butanone	9.68	1.0	10	0	96.8	60-140	0			
2-Hexanone	11.5	1.0	10	0	115	56.2-162	0			
2-Propanol	9.44	1.0	10	0	94.4	60-140	0			
4-Ethyltoluene	10.99	0.50	10	0	110	60-140	0			
4-Methyl-2-pentanone	10.58	1.0	10	0	106	60-140	0			
Acetone	9.29	1.0	10	0	92.9	60-140	0			
Benzene	9.49	0.50	10	0	94.9	60-140	0			
Benzyl chloride	8.04	1.0	10	0	80.4	31.9-174	0			
Bromodichloromethane	9.31	0.20	10	0	93.1	60-140	0			
Bromoform	9.32	0.50	10	0	93.2	60-140	0			
Bromomethane	8.81	0.50	10	0	88.1	60-140	0			
Carbon disulfide	9.39	0.50	10	0	93.9	60-140	0			
Carbon tetrachloride	9.24	0.50	10	0	92.4	60-140	0			
Chlorobenzene	9.08	0.50	10	0	90.8	60-140	0			
Chloroethane	8.36	0.50	10	0	83.6	60-140	0			
Chloroform	9.18	0.20	10	0	91.8	60-140	0			
Chloromethane	9.89	0.50	10	0	98.9	60-140	0			
cis-1,2-Dichloroethene	10.04	0.50	10	0	100	60-140	0			
cis-1,3-Dichloropropene	10	0.50	10	0	100	60-140	0			
Cumene	10.23	0.50	10	0	102	60-140	0			
Cyclohexane	9.75	0.50	10	0	97.5	60-140	0			
Dibromochloromethane	9.37	0.50	10	0	93.7	60-140	0			
Dichlorodifluoromethane	9.06	0.50	10	0	90.6	60-140	0			
Ethyl acetate	10.01	0.50	10	0	100	60-140	0			
Ethylbenzene	9.76	0.50	10	0	97.6	60-140	0			
Freon 113	9.21	0.50	10	0	92.1	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tetra Tech
Work Order: 22010475
Project: 31st & Prospect Development

QC BATCH REPORT

Batch ID: **R200777** Instrument ID **VMS4** Method: **ETO-15**

Freon 114	9.19	0.50	10	0	91.9	60-140	0
Heptane	10.33	0.50	10	0	103	60-140	0
Hexachlorobutadiene	8.86	0.20	10	0	88.6	60-140	0
Hexane	9.92	0.50	10	0	99.2	60-140	0
m,p-Xylene	20.24	0.50	20	0	101	60-140	0
Methylene chloride	9.16	2.0	10	0	91.6	60-140	0
MTBE	9.7	0.50	10	0	97	60.8-151	0
Naphthalene	6.98	0.20	10	0	69.8	53.1-152	0
o-Xylene	10.15	0.50	10	0	102	60-140	0
Propene	9.8	0.50	10	0	98	34.4-139	0
Styrene	10.5	0.50	10	0	105	60-140	0
Tetrachloroethene	9.31	0.50	10	0	93.1	60-140	0
Tetrahydrofuran	10.04	0.50	10	0	100	60-140	0
Toluene	9.85	0.50	10	0	98.5	60-140	0
trans-1,2-Dichloroethene	9.41	0.50	10	0	94.1	60-140	0
trans-1,3-Dichloropropene	9.94	0.50	10	0	99.4	60-140	0
Trichloroethene	9.36	0.20	10	0	93.6	60-140	0
Trichlorofluoromethane	9.14	0.50	10	0	91.4	60-140	0
Vinyl acetate	10.31	1.0	10	0	103	48.4-145	0
Vinyl chloride	8.67	0.50	10	0	86.7	60-140	0
Surr: Bromofluorobenzene	*10.57*	0	*10*	0	*106*	*60-140*	0

The following samples were analyzed in this batch: 22010475-05a 22010475-06a 22010475-09a 22010475-10a 22010475-12a

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 28-Jan-22

Client: Tetra Tech
Project: 31st & Prospect Development
WorkOrder: **22010475**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/m3	
ppbv	

ALS Environmental

Sample Receipt Checklist

Client Name: **TETRATECH-KANSASCITY** Date/Time Received: **17-Jan-22 11:46**

Work Order: **22010475** Received by: **HXP**

Checklist completed by Hannah Ponder (eSignature) 17-Jan-22 (Date) Reviewed by: Danielle Strasinger (eSignature) 27-Jan-22 (Date)

Matrices: air

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☐	No ☑	

Temperature(s)/Thermometer(s):

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage: 1/17/22 12.05

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑

pH adjusted by: -

Login Notes: The label for Sample 22010475-08 (SG-3 (21.5-22)) was crossed out, so the lab cleaned the can. This sample could not be analyzed.

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Air Canister - Chain of Custody Record / Analytical Service Request

Ship To: ALS | Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (513) 733-5336
Fax: (513) 733-5347

22010475

4796

Requested Turnaround Time In Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No.

OH VAP: ◯ Yes ◯ No
OH BUSTR: ◯ Yes ◯ No

Company Name & Address (Reporting Information): Tetra Tech, Inc. 415 Oak St Kansas City, MO 64106

Project Name: 31st & Prospect Development

Project Number:

Project Manager: Stephanie Caples

P.O. # / Billing Information:

Phone: 816 719 5277

Fax:

Email Address for Result Reporting: stephanie.caples@tetratech.com

Sampler (Print & Sign): Reed Niemack [signature] Stephanie Caples [signature]

Analysis Method: TO15 VOCs

Type: SS = SubSlab; IA = Indoor Air; SG = Soil Gas; O = Other; AA = Ambient Air; SVE = Soil Vapor Extract

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID	Flow Controller ID	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	PID	TO15 VOCs	Type	Comments / Specific Instructions (ie: water or pressure issues)
SG-5-(4.5-5)	01	1/12	0937	109960	119233	-30	-6			SG	
SG-5-(16.5-17)	02	1/12	1020	109502	109851	-30	-6			SG	
SG-6-(4.5-5)	03	1/12	1141	120042	119224	-30	-6			SG	
~~SG-6-(22.5-23)~~		~~1/12~~									
SG-1-(7-7.5)	04	1/12	1314	101815	109869	-25	-28			SG	
~~SG-1-(21-21.5)~~		~~1/12~~	~~1323~~	~~101818~~	~~102263~~	~~-28~~					
SG-4-(7.5-8)	05	1/12	1419	109149	120027	-30	-6			SG	
SG-4-(22.5-23)	06	1/12	1416	109961	120022	-29	-5			SG	
SG-3-(4.5-5)	07	1/12	1533	109137	119741	-30	-6			SG	
SG-3-(21.5-22)	08	1/12	1537	109218	109850	-28	-6			SG	
SG-2-(4.5-5)	09	1/12	1619	119825	120021	-28	-5			SG	
SG-7-(16.5-17)	10	1/13	1004	109485	109123	-27	-6			SG	
SG-7-(4.5-5)	11	1/13	1006	109981	119944	-30	-6			SG	
SG-8-(4.5-5)	12	1/13	1129	119834	109350	-26	-4			SG	

There will be additional charges for damaged equipment

Report QC Levels _____
EDD required Yes / No
Type: _____ Units: _____

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	1/12/22	1408	FedEx Hannah Ponah	1-17-22	11:46
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature ____°C

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

January 21, 2022

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

RE: Project: 31ST & PROSPECT
Pace Project No.: 60390448

Dear Emily Fisher:

Enclosed are the analytical results for sample(s) received by the laboratory on January 11, 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,

Nolie Wood
nolie.wood@pacelabs.com
1(913)563-1401
Project Manager

Enclosures

cc: Stephanie Caples, Tetra Tech EMI

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Missouri Inorganic Drinking Water Certification #: 10090
Arkansas Drinking Water
Arkansas Certification #: 20-020-0
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 #: T104704407-19-12
Utah Certification #: KS000212019-9
Illinois Certification #: 004592
Kansas Field Laboratory Accreditation: # E-92587
Missouri SEKS Micro Certification: 10070

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Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60390448001	**SB-1-(7-8)**	Solid	01/11/22 09:50	01/11/22 17:00
60390448002	**SB-1-(7-8)-FD**	Solid	01/11/22 09:50	01/11/22 17:00
60390448003	**SB-1-(21-22)**	Solid	01/11/22 10:10	01/11/22 17:00
60390448004	**SB-2-(19-20)**	Solid	01/11/22 11:20	01/11/22 17:00
60390448005	**SB-2-(24-25)**	Solid	01/11/22 11:30	01/11/22 17:00
60390448006	**SB-3-(21-22)**	Solid	01/11/22 13:55	01/11/22 17:00
60390448007	**SB-3-(4-5)**	Solid	01/11/22 14:00	01/11/22 17:00
60390448008	**SB-4-(11.5-12.5)**	Solid	01/11/22 15:50	01/11/22 17:00
60390448009	**SB-4-(23-24)**	Solid	01/11/22 16:00	01/11/22 17:00
60390448010	**FIELD BLANK-1**	Water	01/11/22 16:10	01/11/22 17:00
60390448011	**TRIP BLANK-1**	Water	01/11/22 16:15	01/11/22 17:00

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SAMPLE ANALYTE COUNT

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60390448001	**SB-1-(7-8)**	EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60390448002	**SB-1-(7-8)-FD**	EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60390448003	**SB-1-(21-22)**	EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60390448004	**SB-2-(19-20)**	EPA 8260B	RAD	67	PASI-K
		EPA 8260B	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60390448005	**SB-2-(24-25)**	EPA 8260B	RAD	67	PASI-K
		EPA 8260B	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60390448006	**SB-3-(21-22)**	EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60390448007	**SB-3-(4-5)**	EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60390448008	**SB-4-(11.5-12.5)**	EPA 8260B	RAD	66	PASI-K
		EPA 8260B	RAD	5	PASI-K
		ASTM D2974	DWC	1	PASI-K
60390448009	**SB-4-(23-24)**	EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60390448010	**FIELD BLANK-1**	EPA 5030B/8260	PGH	69	PASI-K
60390448011	**TRIP BLANK-1**	EPA 5030B/8260	PGH	69	PASI-K

PASI-K = Pace Analytical Services - Kansas City

Pace Analytical Services, LLC
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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: SB-1-(7-8) **Lab ID: 60390448001** Collected: 01/11/22 09:50 Received: 01/11/22 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
Acetone	**<17.6**	ug/kg	21.7	1	01/14/22 07:49	01/14/22 12:24	67-64-1	
Benzene	**1.3J**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	71-43-2	
Bromobenzene	**<1.0**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	108-86-1	
Bromochloromethane	**<0.65**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	74-97-5	
Bromodichloromethane	**<0.65**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	75-27-4	
Bromoform	**<0.62**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	75-25-2	
Bromomethane	**<3.2**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	74-83-9	
2-Butanone (MEK)	**<3.7**	ug/kg	10.9	1	01/14/22 07:49	01/14/22 12:24	78-93-3	
n-Butylbenzene	**<0.71**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	104-51-8	
sec-Butylbenzene	**<0.79**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	135-98-8	
tert-Butylbenzene	**<0.96**	ug/kg	27.2	1	01/14/22 07:49	01/14/22 12:24	98-06-6	
Carbon disulfide	**<0.70**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	75-15-0	
Carbon tetrachloride	**<0.93**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	56-23-5	
Chlorobenzene	**<0.68**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	108-90-7	
Chloroethane	**<1.6**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	75-00-3	
Chloroform	**<0.54**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	67-66-3	
Chloromethane	**<0.87**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	74-87-3	
2-Chlorotoluene	**<0.79**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	95-49-8	
4-Chlorotoluene	**<0.65**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/kg	10.9	1	01/14/22 07:49	01/14/22 12:24	96-12-8	
Dibromochloromethane	**<0.70**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	124-48-1	
1,2-Dibromoethane (EDB)	**<0.58**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	106-93-4	
Dibromomethane	**<0.65**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	74-95-3	
1,2-Dichlorobenzene	**<0.68**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	95-50-1	
1,3-Dichlorobenzene	**<0.78**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	541-73-1	
1,4-Dichlorobenzene	**<0.88**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	106-46-7	
Dichlorodifluoromethane	**<1.3**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	75-71-8	
1,1-Dichloroethane	**<0.42**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	75-34-3	
1,2-Dichloroethane	**<0.43**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	107-06-2	
1,2-Dichloroethene (Total)	**<1.2**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	540-59-0	
1,1-Dichloroethene	**<0.69**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	156-59-2	
trans-1,2-Dichloroethene	**<0.74**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	156-60-5	
1,2-Dichloropropane	**<1.1**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	78-87-5	
1,3-Dichloropropane	**<0.75**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	142-28-9	
2,2-Dichloropropane	**<0.52**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	594-20-7	
1,1-Dichloropropene	**<0.98**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	563-58-6	
cis-1,3-Dichloropropene	**<0.58**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	10061-02-6	
Ethylbenzene	**<0.50**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	100-41-4	
Hexachloro-1,3-butadiene	**<0.92**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	87-68-3	
2-Hexanone	**<2.7**	ug/kg	21.7	1	01/14/22 07:49	01/14/22 12:24	591-78-6	
Isopropylbenzene (Cumene)	**<0.62**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	98-82-8	
p-Isopropyltoluene	**<0.75**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	99-87-6	
Methylene Chloride	**<3.0**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	75-09-2	

Pace Analytical Services, LLC
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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: SB-1-(7-8) **Lab ID: 60390448001** Collected: 01/11/22 09:50 Received: 01/11/22 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
4-Methyl-2-pentanone (MIBK)	**<3.3**	ug/kg	10.9	1	01/14/22 07:49	01/14/22 12:24	108-10-1	
Methyl-tert-butyl ether	**<0.52**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	1634-04-4	
Naphthalene	**8.3J**	ug/kg	10.9	1	01/14/22 07:49	01/14/22 12:24	91-20-3	
n-Propylbenzene	**<0.87**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	103-65-1	
Styrene	**<0.64**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.1**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.1**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	79-34-5	
Tetrachloroethene	**<0.45**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	127-18-4	
Toluene	**<0.38**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	108-88-3	
1,2,3-Trichlorobenzene	**<0.87**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	87-61-6	
1,2,4-Trichlorobenzene	**<0.87**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	120-82-1	
1,1,1-Trichloroethane	**<0.81**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	71-55-6	
1,1,2-Trichloroethane	**<0.68**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	79-00-5	
Trichloroethene	**<0.79**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	79-01-6	
Trichlorofluoromethane	**<0.67**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	75-69-4	
1,2,3-Trichloropropane	**<2.3**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	96-18-4	
1,2,4-Trimethylbenzene	**<0.73**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	95-63-6	
1,3,5-Trimethylbenzene	**<0.68**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	108-67-8	
Vinyl chloride	**<0.72**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	75-01-4	
Xylene (Total)	**<1.2**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 12:24	1330-20-7	
Surrogates								
Toluene-d8 (S)	93	%	80-120	1	01/14/22 07:49	01/14/22 12:24	2037-26-5	
4-Bromofluorobenzene (S)	96	%	80-120	1	01/14/22 07:49	01/14/22 12:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	80-120	1	01/14/22 07:49	01/14/22 12:24	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**22.8**	%	0.50	1		01/13/22 13:20		

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: SB-1-(7-8)-FD **Lab ID: 60390448002** Collected: 01/11/22 09:50 Received: 01/11/22 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
Acetone	**<18.2**	ug/kg	22.5	1	01/14/22 07:49	01/14/22 12:41	67-64-1	
Benzene	**2.1J**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	71-43-2	
Bromobenzene	**<1.1**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	108-86-1	
Bromochloromethane	**<0.68**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	74-97-5	
Bromodichloromethane	**<0.68**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	75-27-4	
Bromoform	**<0.65**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	75-25-2	
Bromomethane	**<3.3**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	74-83-9	
2-Butanone (MEK)	**<3.8**	ug/kg	11.2	1	01/14/22 07:49	01/14/22 12:41	78-93-3	
n-Butylbenzene	**<0.73**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	104-51-8	
sec-Butylbenzene	**<0.82**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	135-98-8	
tert-Butylbenzene	**<0.99**	ug/kg	28.1	1	01/14/22 07:49	01/14/22 12:41	98-06-6	
Carbon disulfide	**1.9J**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	75-15-0	
Carbon tetrachloride	**<0.96**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	56-23-5	
Chlorobenzene	**<0.70**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	108-90-7	
Chloroethane	**<1.7**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	75-00-3	
Chloroform	**<0.55**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	67-66-3	
Chloromethane	**<0.90**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	74-87-3	
2-Chlorotoluene	**<0.82**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	95-49-8	
4-Chlorotoluene	**<0.67**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.1**	ug/kg	11.2	1	01/14/22 07:49	01/14/22 12:41	96-12-8	
Dibromochloromethane	**<0.73**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	124-48-1	
1,2-Dibromoethane (EDB)	**<0.60**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	106-93-4	
Dibromomethane	**<0.67**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	74-95-3	
1,2-Dichlorobenzene	**<0.70**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	95-50-1	
1,3-Dichlorobenzene	**<0.81**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	541-73-1	
1,4-Dichlorobenzene	**<0.91**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	106-46-7	
Dichlorodifluoromethane	**<1.3**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	75-71-8	
1,1-Dichloroethane	**<0.44**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	75-34-3	
1,2-Dichloroethane	**<0.45**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	107-06-2	
1,2-Dichloroethene (Total)	**<1.2**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	540-59-0	
1,1-Dichloroethene	**<0.72**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	75-35-4	
cis-1,2-Dichloroethene	**<0.48**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	156-59-2	
trans-1,2-Dichloroethene	**<0.76**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	156-60-5	
1,2-Dichloropropane	**<1.1**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	78-87-5	
1,3-Dichloropropane	**<0.78**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	142-28-9	
2,2-Dichloropropane	**<0.53**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	563-58-6	
cis-1,3-Dichloropropene	**<0.60**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	10061-01-5	
trans-1,3-Dichloropropene	**<0.51**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	10061-02-6	
Ethylbenzene	**<0.52**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	100-41-4	
Hexachloro-1,3-butadiene	**<0.96**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	87-68-3	
2-Hexanone	**<2.8**	ug/kg	22.5	1	01/14/22 07:49	01/14/22 12:41	591-78-6	
Isopropylbenzene (Cumene)	**<0.64**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	98-82-8	
p-Isopropyltoluene	**<0.77**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	99-87-6	
Methylene Chloride	**<3.1**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	75-09-2	

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ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: SB-1-(7-8)-FD **Lab ID: 60390448002** Collected: 01/11/22 09:50 Received: 01/11/22 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
4-Methyl-2-pentanone (MIBK)	**<3.4**	ug/kg	11.2	1	01/14/22 07:49	01/14/22 12:41	108-10-1	
Methyl-tert-butyl ether	**<0.54**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	1634-04-4	
Naphthalene	**<0.92**	ug/kg	11.2	1	01/14/22 07:49	01/14/22 12:41	91-20-3	
n-Propylbenzene	**<0.90**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	103-65-1	
Styrene	**<0.66**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.1**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.1**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	79-34-5	
Tetrachloroethene	**<0.46**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	127-18-4	
Toluene	**<0.40**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	108-88-3	
1,2,3-Trichlorobenzene	**<0.90**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	87-61-6	
1,2,4-Trichlorobenzene	**<0.90**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	120-82-1	
1,1,1-Trichloroethane	**<0.84**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	71-55-6	
1,1,2-Trichloroethane	**<0.71**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	79-00-5	
Trichloroethene	**<0.81**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	79-01-6	
Trichlorofluoromethane	**<0.69**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	75-69-4	
1,2,3-Trichloropropane	**<2.4**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	96-18-4	
1,2,4-Trimethylbenzene	**<0.75**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	95-63-6	
1,3,5-Trimethylbenzene	**<0.70**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	108-67-8	
Vinyl chloride	**<0.75**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	75-01-4	
Xylene (Total)	**<1.3**	ug/kg	5.6	1	01/14/22 07:49	01/14/22 12:41	1330-20-7	
Surrogates								
Toluene-d8 (S)	92	%	80-120	1	01/14/22 07:49	01/14/22 12:41	2037-26-5	
4-Bromofluorobenzene (S)	97	%	80-120	1	01/14/22 07:49	01/14/22 12:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	80-120	1	01/14/22 07:49	01/14/22 12:41	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**23.7**	%	0.50	1		01/13/22 13:20		

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ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: SB-1-(21-22) **Lab ID: 60390448003** Collected: 01/11/22 10:10 Received: 01/11/22 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
Acetone	**<18.5**	ug/kg	22.9	1	01/14/22 07:49	01/14/22 12:57	67-64-1	
Benzene	**0.57J**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	71-43-2	
Bromobenzene	**<1.1**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	108-86-1	
Bromochloromethane	**<0.69**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	74-97-5	
Bromodichloromethane	**<0.69**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	75-27-4	
Bromoform	**<0.66**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	75-25-2	
Bromomethane	**<3.4**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	74-83-9	
2-Butanone (MEK)	**<3.9**	ug/kg	11.4	1	01/14/22 07:49	01/14/22 12:57	78-93-3	
n-Butylbenzene	**<0.74**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	104-51-8	
sec-Butylbenzene	**<0.84**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	135-98-8	
tert-Butylbenzene	**<1.0**	ug/kg	28.6	1	01/14/22 07:49	01/14/22 12:57	98-06-6	
Carbon disulfide	**<0.74**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	75-15-0	
Carbon tetrachloride	**<0.98**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	56-23-5	
Chlorobenzene	**<0.72**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	108-90-7	
Chloroethane	**<1.7**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	75-00-3	
Chloroform	**<0.56**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	67-66-3	
Chloromethane	**<0.91**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	74-87-3	
2-Chlorotoluene	**<0.83**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	95-49-8	
4-Chlorotoluene	**<0.69**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.1**	ug/kg	11.4	1	01/14/22 07:49	01/14/22 12:57	96-12-8	
Dibromochloromethane	**<0.74**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	124-48-1	
1,2-Dibromoethane (EDB)	**<0.61**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	106-93-4	
Dibromomethane	**<0.69**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	95-50-1	
1,3-Dichlorobenzene	**<0.82**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	541-73-1	
1,4-Dichlorobenzene	**<0.93**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	106-46-7	
Dichlorodifluoromethane	**<1.3**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	75-71-8	
1,1-Dichloroethane	**<0.45**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	75-34-3	
1,2-Dichloroethane	**<0.46**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	107-06-2	
1,2-Dichloroethene (Total)	**<1.3**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	540-59-0	
1,1-Dichloroethene	**<0.73**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	75-35-4	
cis-1,2-Dichloroethene	**<0.49**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	156-59-2	
trans-1,2-Dichloroethene	**<0.78**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	156-60-5	
1,2-Dichloropropane	**<1.1**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	78-87-5	
1,3-Dichloropropane	**<0.79**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	142-28-9	
2,2-Dichloropropane	**<0.54**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	563-58-6	
cis-1,3-Dichloropropene	**<0.61**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	10061-01-5	
trans-1,3-Dichloropropene	**<0.52**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	10061-02-6	
Ethylbenzene	**<0.53**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	100-41-4	
Hexachloro-1,3-butadiene	**<0.97**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	87-68-3	
2-Hexanone	**<2.8**	ug/kg	22.9	1	01/14/22 07:49	01/14/22 12:57	591-78-6	
Isopropylbenzene (Cumene)	**<0.65**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	98-82-8	
p-Isopropyltoluene	**<0.79**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	99-87-6	
Methylene Chloride	**<3.1**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	75-09-2	

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ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: SB-1-(21-22) **Lab ID: 60390448003** Collected: 01/11/22 10:10 Received: 01/11/22 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
4-Methyl-2-pentanone (MIBK)	**<3.5**	ug/kg	11.4	1	01/14/22 07:49	01/14/22 12:57	108-10-1	
Methyl-tert-butyl ether	**<0.55**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	1634-04-4	
Naphthalene	**<0.94**	ug/kg	11.4	1	01/14/22 07:49	01/14/22 12:57	91-20-3	
n-Propylbenzene	**<0.92**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	103-65-1	
Styrene	**<0.67**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.2**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.1**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	79-34-5	
Tetrachloroethene	**0.95J**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	127-18-4	
Toluene	**0.64J**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	108-88-3	
1,2,3-Trichlorobenzene	**<0.91**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	87-61-6	
1,2,4-Trichlorobenzene	**<0.91**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	120-82-1	
1,1,1-Trichloroethane	**<0.86**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	71-55-6	
1,1,2-Trichloroethane	**<0.72**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	79-00-5	
Trichloroethene	**<0.83**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	79-01-6	
Trichlorofluoromethane	**<0.70**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	75-69-4	
1,2,3-Trichloropropane	**<2.4**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	96-18-4	
1,2,4-Trimethylbenzene	**<0.77**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	95-63-6	
1,3,5-Trimethylbenzene	**<0.72**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	108-67-8	
Vinyl chloride	**<0.76**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	75-01-4	
Xylene (Total)	**<1.3**	ug/kg	5.7	1	01/14/22 07:49	01/14/22 12:57	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	01/14/22 07:49	01/14/22 12:57	2037-26-5	
4-Bromofluorobenzene (S)	103	%	80-120	1	01/14/22 07:49	01/14/22 12:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	80-120	1	01/14/22 07:49	01/14/22 12:57	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**22.6**	%	0.50	1		01/13/22 13:20		

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ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: SB-2-(19-20) **Lab ID: 60390448004** Collected: 01/11/22 11:20 Received: 01/11/22 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
Acetone	**<16.8**	ug/kg	20.7	1	01/14/22 07:49	01/14/22 13:13	67-64-1	
Benzene	**<0.51**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	71-43-2	
Bromobenzene	**<0.97**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	108-86-1	
Bromochloromethane	**<0.62**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	74-97-5	
Bromodichloromethane	**<0.62**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	75-27-4	
Bromoform	**<0.60**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	75-25-2	
Bromomethane	**<3.0**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	74-83-9	
2-Butanone (MEK)	**<3.5**	ug/kg	10.4	1	01/14/22 07:49	01/14/22 13:13	78-93-3	
n-Butylbenzene	**<0.67**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	104-51-8	
sec-Butylbenzene	**<0.76**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	135-98-8	
tert-Butylbenzene	**<0.91**	ug/kg	25.9	1	01/14/22 07:49	01/14/22 13:13	98-06-6	
Carbon disulfide	**<0.67**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	75-15-0	
Carbon tetrachloride	**<0.89**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	56-23-5	
Chlorobenzene	**<0.65**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	108-90-7	
Chloroethane	**<1.6**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	75-00-3	
Chloroform	**<0.51**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	67-66-3	
Chloromethane	**<0.83**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	74-87-3	
2-Chlorotoluene	**<0.75**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	95-49-8	
4-Chlorotoluene	**<0.62**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.9**	ug/kg	10.4	1	01/14/22 07:49	01/14/22 13:13	96-12-8	
Dibromochloromethane	**<0.67**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	124-48-1	
1,2-Dibromoethane (EDB)	**<0.55**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	106-93-4	
Dibromomethane	**<0.62**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	74-95-3	
1,2-Dichlorobenzene	**<0.65**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	95-50-1	
1,3-Dichlorobenzene	**<0.74**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	541-73-1	
1,4-Dichlorobenzene	**<0.84**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	106-46-7	
Dichlorodifluoromethane	**<1.2**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	75-71-8	
1,1-Dichloroethane	**<0.40**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	75-34-3	
1,2-Dichloroethane	**<0.41**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	107-06-2	
1,2-Dichloroethene (Total)	**<1.1**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	540-59-0	
1,1-Dichloroethene	**<0.66**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	75-35-4	
cis-1,2-Dichloroethene	**0.55J**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	156-59-2	
trans-1,2-Dichloroethene	**<0.70**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	78-87-5	
1,3-Dichloropropane	**<0.72**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	142-28-9	
2,2-Dichloropropane	**<0.49**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	594-20-7	
1,1-Dichloropropene	**<0.93**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	563-58-6	
cis-1,3-Dichloropropene	**<0.55**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	10061-01-5	
trans-1,3-Dichloropropene	**<0.47**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	10061-02-6	
Ethylbenzene	**<0.48**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	100-41-4	
Hexachloro-1,3-butadiene	**<0.88**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	87-68-3	
2-Hexanone	**<2.6**	ug/kg	20.7	1	01/14/22 07:49	01/14/22 13:13	591-78-6	
Isopropylbenzene (Cumene)	**<0.59**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	98-82-8	
p-Isopropyltoluene	**<0.71**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	99-87-6	
Methylene Chloride	**<2.8**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	75-09-2	

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ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: SB-2-(19-20) **Lab ID: 60390448004** Collected: 01/11/22 11:20 Received: 01/11/22 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
4-Methyl-2-pentanone (MIBK)	**<3.1**	ug/kg	10.4	1	01/14/22 07:49	01/14/22 13:13	108-10-1	
Methyl-tert-butyl ether	**<0.50**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	1634-04-4	
Naphthalene	**<0.85**	ug/kg	10.4	1	01/14/22 07:49	01/14/22 13:13	91-20-3	
n-Propylbenzene	**<0.83**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	103-65-1	
Styrene	**<0.61**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.1**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	79-34-5	
Toluene	**<0.36**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	108-88-3	
1,2,3-Trichlorobenzene	**<0.83**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	87-61-6	
1,2,4-Trichlorobenzene	**<0.83**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	120-82-1	
1,1,1-Trichloroethane	**<0.77**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	71-55-6	
1,1,2-Trichloroethane	**<0.65**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	79-00-5	
Trichloroethene	**4.6J**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	79-01-6	
Trichlorofluoromethane	**<0.64**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	75-69-4	
1,2,3-Trichloropropane	**<2.2**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	96-18-4	
1,2,4-Trimethylbenzene	**<0.69**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	95-63-6	
1,3,5-Trimethylbenzene	**<0.65**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	108-67-8	
Vinyl chloride	**<0.69**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	75-01-4	
Xylene (Total)	**<1.2**	ug/kg	5.2	1	01/14/22 07:49	01/14/22 13:13	1330-20-7	
Surrogates								
Toluene-d8 (S)	98	%	80-120	1	01/14/22 07:49	01/14/22 13:13	2037-26-5	
4-Bromofluorobenzene (S)	109	%	80-120	1	01/14/22 07:49	01/14/22 13:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	112	%	80-120	1	01/14/22 07:49	01/14/22 13:13	2199-69-1	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B							
	Pace Analytical Services - Kansas City							
Tetrachloroethene	**626**	ug/kg	304	1	01/17/22 14:14	01/18/22 02:03	127-18-4	
Surrogates								
Toluene-d8 (S)	105	%	80-120	1	01/17/22 14:14	01/18/22 02:03	2037-26-5	
4-Bromofluorobenzene (S)	96	%	83-119	1	01/17/22 14:14	01/18/22 02:03	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	80-120	1	01/17/22 14:14	01/18/22 02:03	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**17.9**	%	0.50	1		01/13/22 13:20		

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ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: SB-2-(24-25) **Lab ID: 60390448005** Collected: 01/11/22 11:30 Received: 01/11/22 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
Acetone	**<15.7**	ug/kg	19.3	1	01/14/22 07:49	01/14/22 13:29	67-64-1	
Benzene	**0.86J**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	71-43-2	
Bromobenzene	**<0.91**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	108-86-1	
Bromochloromethane	**<0.58**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	74-97-5	
Bromodichloromethane	**<0.58**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	75-27-4	
Bromoform	**<0.56**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	75-25-2	
Bromomethane	**<2.8**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	74-83-9	
2-Butanone (MEK)	**<3.3**	ug/kg	9.7	1	01/14/22 07:49	01/14/22 13:29	78-93-3	
n-Butylbenzene	**<0.63**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	104-51-8	
sec-Butylbenzene	**<0.71**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	135-98-8	
tert-Butylbenzene	**<0.85**	ug/kg	24.2	1	01/14/22 07:49	01/14/22 13:29	98-06-6	
Carbon disulfide	**<0.62**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	75-15-0	
Carbon tetrachloride	**<0.83**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	56-23-5	
Chlorobenzene	**<0.61**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	108-90-7	
Chloroethane	**<1.5**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	75-00-3	
Chloroform	**<0.48**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	67-66-3	
Chloromethane	**<0.77**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	74-87-3	
2-Chlorotoluene	**<0.70**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	95-49-8	
4-Chlorotoluene	**<0.58**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/kg	9.7	1	01/14/22 07:49	01/14/22 13:29	96-12-8	
Dibromochloromethane	**<0.62**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	124-48-1	
1,2-Dibromoethane (EDB)	**<0.52**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	106-93-4	
Dibromomethane	**<0.58**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	74-95-3	
1,2-Dichlorobenzene	**<0.60**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	95-50-1	
1,3-Dichlorobenzene	**<0.70**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	541-73-1	
1,4-Dichlorobenzene	**<0.78**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	106-46-7	
Dichlorodifluoromethane	**<1.1**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	75-71-8	
1,1-Dichloroethane	**<0.38**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	75-34-3	
1,2-Dichloroethane	**<0.39**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	107-06-2	
1,2-Dichloroethene (Total)	**<1.1**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	540-59-0	
1,1-Dichloroethene	**<0.62**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	75-35-4	
cis-1,2-Dichloroethene	**<0.42**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	156-59-2	
trans-1,2-Dichloroethene	**<0.66**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	156-60-5	
1,2-Dichloropropane	**<0.95**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	78-87-5	
1,3-Dichloropropane	**<0.67**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	142-28-9	
2,2-Dichloropropane	**<0.46**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	594-20-7	
1,1-Dichloropropene	**<0.87**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	563-58-6	
cis-1,3-Dichloropropene	**<0.51**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	10061-01-5	
trans-1,3-Dichloropropene	**<0.44**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	10061-02-6	
Ethylbenzene	**<0.45**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	100-41-4	
Hexachloro-1,3-butadiene	**<0.82**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	87-68-3	
2-Hexanone	**<2.4**	ug/kg	19.3	1	01/14/22 07:49	01/14/22 13:29	591-78-6	
Isopropylbenzene (Cumene)	**<0.55**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	99-87-6	
Methylene Chloride	**<2.6**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	75-09-2	

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ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: SB-2-(24-25) **Lab ID: 60390448005** Collected: 01/11/22 11:30 Received: 01/11/22 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
4-Methyl-2-pentanone (MIBK)	**<2.9**	ug/kg	9.7	1	01/14/22 07:49	01/14/22 13:29	108-10-1	
Methyl-tert-butyl ether	**<0.47**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	1634-04-4	
Naphthalene	**<0.79**	ug/kg	9.7	1	01/14/22 07:49	01/14/22 13:29	91-20-3	
n-Propylbenzene	**<0.78**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	103-65-1	
Styrene	**<0.57**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.99**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.97**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	79-34-5	
Toluene	**0.59J**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	108-88-3	
1,2,3-Trichlorobenzene	**<0.77**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	87-61-6	
1,2,4-Trichlorobenzene	**<0.77**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	120-82-1	
1,1,1-Trichloroethane	**<0.72**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	71-55-6	
1,1,2-Trichloroethane	**<0.61**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	79-00-5	
Trichloroethene	**2.5J**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	79-01-6	
Trichlorofluoromethane	**<0.59**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	75-69-4	
1,2,3-Trichloropropane	**<2.1**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	96-18-4	
1,2,4-Trimethylbenzene	**<0.65**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	95-63-6	
1,3,5-Trimethylbenzene	**<0.61**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	108-67-8	
Vinyl chloride	**<0.64**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	75-01-4	
Xylene (Total)	**<1.1**	ug/kg	4.8	1	01/14/22 07:49	01/14/22 13:29	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	80-120	1	01/14/22 07:49	01/14/22 13:29	2037-26-5	
4-Bromofluorobenzene (S)	105	%	80-120	1	01/14/22 07:49	01/14/22 13:29	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	80-120	1	01/14/22 07:49	01/14/22 13:29	2199-69-1	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B							
	Pace Analytical Services - Kansas City							
Tetrachloroethene	**1140**	ug/kg	305	1	01/17/22 14:14	01/18/22 02:19	127-18-4	
Surrogates								
Toluene-d8 (S)	103	%	80-120	1	01/17/22 14:14	01/18/22 02:19	2037-26-5	
4-Bromofluorobenzene (S)	86	%	83-119	1	01/17/22 14:14	01/18/22 02:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	80-120	1	01/17/22 14:14	01/18/22 02:19	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**17.0**	%	0.50	1		01/13/22 13:20		

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ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: SB-3-(21-22) **Lab ID: 60390448006** Collected: 01/11/22 13:55 Received: 01/11/22 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
Acetone	**<17.2**	ug/kg	21.2	1	01/14/22 07:49	01/14/22 13:45	67-64-1	
Benzene	**2.0J**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	71-43-2	
Bromobenzene	**<1.0**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	108-86-1	
Bromochloromethane	**<0.64**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	74-97-5	
Bromodichloromethane	**<0.64**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	75-27-4	
Bromoform	**<0.61**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	75-25-2	
Bromomethane	**<3.1**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	74-83-9	
2-Butanone (MEK)	**<3.6**	ug/kg	10.6	1	01/14/22 07:49	01/14/22 13:45	78-93-3	
n-Butylbenzene	**18.4**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	104-51-8	
sec-Butylbenzene	**12.6**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	135-98-8	
tert-Butylbenzene	**1.2J**	ug/kg	26.5	1	01/14/22 07:49	01/14/22 13:45	98-06-6	
Carbon disulfide	**<0.68**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	75-15-0	
Carbon tetrachloride	**<0.91**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	56-23-5	
Chlorobenzene	**<0.66**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	108-90-7	
Chloroethane	**<1.6**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	75-00-3	
Chloroform	**5.4**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	67-66-3	
Chloromethane	**<0.85**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	74-87-3	
2-Chlorotoluene	**<0.77**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	95-49-8	
4-Chlorotoluene	**<0.64**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.9**	ug/kg	10.6	1	01/14/22 07:49	01/14/22 13:45	96-12-8	
Dibromochloromethane	**<0.68**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	124-48-1	
1,2-Dibromoethane (EDB)	**<0.57**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	106-93-4	
Dibromomethane	**<0.64**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	74-95-3	
1,2-Dichlorobenzene	**<0.66**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	95-50-1	
1,3-Dichlorobenzene	**<0.76**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	541-73-1	
1,4-Dichlorobenzene	**<0.86**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	106-46-7	
Dichlorodifluoromethane	**<1.3**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	75-71-8	
1,1-Dichloroethane	**<0.41**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	75-34-3	
1,2-Dichloroethane	**<0.42**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	107-06-2	
1,2-Dichloroethene (Total)	**1.3J**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	540-59-0	
1,1-Dichloroethene	**<0.68**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	75-35-4	
cis-1,2-Dichloroethene	**1.3J**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	156-59-2	
trans-1,2-Dichloroethene	**<0.72**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	78-87-5	
1,3-Dichloropropane	**<0.73**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	594-20-7	
1,1-Dichloropropene	**<0.95**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	563-58-6	
cis-1,3-Dichloropropene	**<0.56**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	10061-01-5	
trans-1,3-Dichloropropene	**<0.48**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	10061-02-6	
Ethylbenzene	**0.50J**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	100-41-4	
Hexachloro-1,3-butadiene	**<0.90**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	87-68-3	
2-Hexanone	**84.7**	ug/kg	21.2	1	01/14/22 07:49	01/14/22 13:45	591-78-6	
Isopropylbenzene (Cumene)	**32.0**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	98-82-8	
p-Isopropyltoluene	**<0.73**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	99-87-6	
Methylene Chloride	**<2.9**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	75-09-2	

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ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: SB-3-(21-22) **Lab ID: 60390448006** Collected: 01/11/22 13:55 Received: 01/11/22 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
4-Methyl-2-pentanone (MIBK)	**<3.2**	ug/kg	10.6	1	01/14/22 07:49	01/14/22 13:45	108-10-1	
Methyl-tert-butyl ether	**<0.51**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	1634-04-4	
Naphthalene	**5.7J**	ug/kg	10.6	1	01/14/22 07:49	01/14/22 13:45	91-20-3	
n-Propylbenzene	**14.4**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	103-65-1	
Styrene	**<0.62**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.1**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.1**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	79-34-5	
Tetrachloroethene	**1.3J**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	127-18-4	
Toluene	**0.59J**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	108-88-3	
1,2,3-Trichlorobenzene	**<0.84**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	87-61-6	
1,2,4-Trichlorobenzene	**<0.84**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	120-82-1	
1,1,1-Trichloroethane	**<0.79**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	71-55-6	
1,1,2-Trichloroethane	**<0.67**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	79-00-5	
Trichloroethene	**<0.77**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	79-01-6	
Trichlorofluoromethane	**<0.65**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	75-69-4	
1,2,3-Trichloropropane	**<2.3**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	96-18-4	
1,2,4-Trimethylbenzene	**<0.71**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	95-63-6	
1,3,5-Trimethylbenzene	**1.0J**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	108-67-8	
Vinyl chloride	**<0.71**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	75-01-4	
Xylene (Total)	**<1.2**	ug/kg	5.3	1	01/14/22 07:49	01/14/22 13:45	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-120	1	01/14/22 07:49	01/14/22 13:45	2037-26-5	
4-Bromofluorobenzene (S)	107	%	80-120	1	01/14/22 07:49	01/14/22 13:45	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	80-120	1	01/14/22 07:49	01/14/22 13:45	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**16.4**	%	0.50	1		01/13/22 13:20		

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ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: SB-3-(4-5) **Lab ID: 60390448007** Collected: 01/11/22 14:00 Received: 01/11/22 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
Acetone	**<17.6**	ug/kg	21.7	1	01/14/22 07:49	01/14/22 14:02	67-64-1	
Benzene	**<0.54**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	71-43-2	
Bromobenzene	**<1.0**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	108-86-1	
Bromochloromethane	**<0.65**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	74-97-5	
Bromodichloromethane	**<0.65**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	75-27-4	
Bromoform	**<0.63**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	75-25-2	
Bromomethane	**<3.2**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	74-83-9	
2-Butanone (MEK)	**<3.7**	ug/kg	10.9	1	01/14/22 07:49	01/14/22 14:02	78-93-3	
n-Butylbenzene	**<0.71**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	104-51-8	
sec-Butylbenzene	**<0.79**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	135-98-8	
tert-Butylbenzene	**<0.96**	ug/kg	27.2	1	01/14/22 07:49	01/14/22 14:02	98-06-6	
Carbon disulfide	**<0.70**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	75-15-0	
Carbon tetrachloride	**<0.93**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	56-23-5	
Chlorobenzene	**<0.68**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	108-90-7	
Chloroethane	**<1.6**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	75-00-3	
Chloroform	**<0.54**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	67-66-3	
Chloromethane	**<0.87**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	74-87-3	
2-Chlorotoluene	**<0.79**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	95-49-8	
4-Chlorotoluene	**<0.65**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/kg	10.9	1	01/14/22 07:49	01/14/22 14:02	96-12-8	
Dibromochloromethane	**<0.70**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	124-48-1	
1,2-Dibromoethane (EDB)	**<0.58**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	106-93-4	
Dibromomethane	**<0.65**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	74-95-3	
1,2-Dichlorobenzene	**<0.68**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	95-50-1	
1,3-Dichlorobenzene	**<0.78**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	541-73-1	
1,4-Dichlorobenzene	**<0.88**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	106-46-7	
Dichlorodifluoromethane	**<1.3**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	75-71-8	
1,1-Dichloroethane	**<0.42**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	75-34-3	
1,2-Dichloroethane	**<0.43**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	107-06-2	
1,2-Dichloroethene (Total)	**<1.2**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	540-59-0	
1,1-Dichloroethene	**<0.69**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	156-59-2	
trans-1,2-Dichloroethene	**<0.74**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	156-60-5	
1,2-Dichloropropane	**<1.1**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	78-87-5	
1,3-Dichloropropane	**<0.75**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	142-28-9	
2,2-Dichloropropane	**<0.52**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	594-20-7	
1,1-Dichloropropene	**<0.98**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	563-58-6	
cis-1,3-Dichloropropene	**<0.58**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	10061-01-5	
trans-1,3-Dichloropropene	**<0.50**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	10061-02-6	
Ethylbenzene	**<0.50**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	100-41-4	
Hexachloro-1,3-butadiene	**<0.93**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	87-68-3	
2-Hexanone	**<2.7**	ug/kg	21.7	1	01/14/22 07:49	01/14/22 14:02	591-78-6	
Isopropylbenzene (Cumene)	**<0.62**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	98-82-8	
p-Isopropyltoluene	**<0.75**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	99-87-6	
Methylene Chloride	**<3.0**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	75-09-2	

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ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: SB-3-(4-5) **Lab ID: 60390448007** Collected: 01/11/22 14:00 Received: 01/11/22 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
4-Methyl-2-pentanone (MIBK)	**<3.3**	ug/kg	10.9	1	01/14/22 07:49	01/14/22 14:02	108-10-1	
Methyl-tert-butyl ether	**<0.52**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	1634-04-4	
Naphthalene	**<0.89**	ug/kg	10.9	1	01/14/22 07:49	01/14/22 14:02	91-20-3	
n-Propylbenzene	**<0.87**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	103-65-1	
Styrene	**<0.64**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.1**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.1**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	79-34-5	
Tetrachloroethene	**<0.45**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	127-18-4	
Toluene	**<0.38**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	108-88-3	
1,2,3-Trichlorobenzene	**<0.87**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	87-61-6	
1,2,4-Trichlorobenzene	**<0.87**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	120-82-1	
1,1,1-Trichloroethane	**<0.81**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	71-55-6	
1,1,2-Trichloroethane	**<0.69**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	79-00-5	
Trichloroethene	**<0.79**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	79-01-6	
Trichlorofluoromethane	**<0.67**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	75-69-4	
1,2,3-Trichloropropane	**<2.3**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	96-18-4	
1,2,4-Trimethylbenzene	**<0.73**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	95-63-6	
1,3,5-Trimethylbenzene	**<0.68**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	108-67-8	
Vinyl chloride	**<0.72**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	75-01-4	
Xylene (Total)	**<1.2**	ug/kg	5.4	1	01/14/22 07:49	01/14/22 14:02	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	01/14/22 07:49	01/14/22 14:02	2037-26-5	
4-Bromofluorobenzene (S)	103	%	80-120	1	01/14/22 07:49	01/14/22 14:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1	01/14/22 07:49	01/14/22 14:02	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**20.6**	%	0.50	1		01/13/22 13:20		

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ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: SB-4-(11.5-12.5) **Lab ID: 60390448008** Collected: 01/11/22 15:50 Received: 01/11/22 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
Acetone	**<16.2**	ug/kg	20.1	1	01/14/22 07:49	01/14/22 14:18	67-64-1	
Benzene	**<0.49**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	71-43-2	
Bromobenzene	**<0.94**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	108-86-1	
Bromochloromethane	**<0.60**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	74-97-5	
Bromodichloromethane	**<0.60**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	75-27-4	
Bromoform	**<0.58**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	75-25-2	
Bromomethane	**<2.9**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	74-83-9	
2-Butanone (MEK)	**<3.4**	ug/kg	10.0	1	01/14/22 07:49	01/14/22 14:18	78-93-3	
n-Butylbenzene	**<0.65**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	104-51-8	
sec-Butylbenzene	**<0.73**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	135-98-8	
tert-Butylbenzene	**<0.89**	ug/kg	25.1	1	01/14/22 07:49	01/14/22 14:18	98-06-6	
Carbon disulfide	**<0.64**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	75-15-0	
Carbon tetrachloride	**<0.86**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	56-23-5	
Chlorobenzene	**<0.63**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	108-90-7	
Chloroethane	**<1.5**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	75-00-3	
Chloroform	**<0.49**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	67-66-3	
Chloromethane	**<0.80**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	74-87-3	
2-Chlorotoluene	**<0.73**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	95-49-8	
4-Chlorotoluene	**<0.60**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/kg	10.0	1	01/14/22 07:49	01/14/22 14:18	96-12-8	
Dibromochloromethane	**<0.65**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	124-48-1	
1,2-Dibromoethane (EDB)	**<0.54**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	106-93-4	
Dibromomethane	**<0.60**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	74-95-3	
1,2-Dichlorobenzene	**<0.63**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	95-50-1	
1,3-Dichlorobenzene	**<0.72**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	541-73-1	
1,4-Dichlorobenzene	**<0.81**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	106-46-7	
Dichlorodifluoromethane	**<1.2**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	75-71-8	
1,1-Dichloroethane	**<0.39**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	75-34-3	
1,2-Dichloroethane	**<0.40**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	107-06-2	
1,2-Dichloroethene (Total)	**113**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	540-59-0	
1,1-Dichloroethene	**<0.64**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	75-35-4	
cis-1,2-Dichloroethene	**113**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	156-59-2	
trans-1,2-Dichloroethene	**<0.68**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	156-60-5	
1,2-Dichloropropane	**<0.98**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	78-87-5	
1,3-Dichloropropane	**<0.69**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	594-20-7	
1,1-Dichloropropene	**<0.90**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	563-58-6	
cis-1,3-Dichloropropene	**<0.53**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	10061-01-5	
trans-1,3-Dichloropropene	**<0.46**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	10061-02-6	
Ethylbenzene	**<0.46**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	100-41-4	
Hexachloro-1,3-butadiene	**<0.85**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	87-68-3	
2-Hexanone	**<2.5**	ug/kg	20.1	1	01/14/22 07:49	01/14/22 14:18	591-78-6	
Isopropylbenzene (Cumene)	**<0.57**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	98-82-8	
p-Isopropyltoluene	**<0.69**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	99-87-6	
Methylene Chloride	**<2.7**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	75-09-2	

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ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: SB-4-(11.5-12.5) **Lab ID: 60390448008** Collected: 01/11/22 15:50 Received: 01/11/22 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
4-Methyl-2-pentanone (MIBK)	**<3.0**	ug/kg	10.0	1	01/14/22 07:49	01/14/22 14:18	108-10-1	
Methyl-tert-butyl ether	**<0.48**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	1634-04-4	
Naphthalene	**<0.82**	ug/kg	10.0	1	01/14/22 07:49	01/14/22 14:18	91-20-3	
n-Propylbenzene	**<0.81**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	103-65-1	
Styrene	**<0.59**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	79-34-5	
Toluene	**<0.35**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	108-88-3	
1,2,3-Trichlorobenzene	**<0.80**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	87-61-6	
1,2,4-Trichlorobenzene	**<0.80**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	120-82-1	
1,1,1-Trichloroethane	**<0.75**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	71-55-6	
1,1,2-Trichloroethane	**<0.63**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	79-00-5	
Trichlorofluoromethane	**<0.62**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	75-69-4	
1,2,3-Trichloropropane	**<2.1**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	96-18-4	
1,2,4-Trimethylbenzene	**<0.67**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	95-63-6	
1,3,5-Trimethylbenzene	**<0.63**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	108-67-8	
Vinyl chloride	**<0.67**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	75-01-4	
Xylene (Total)	**<1.1**	ug/kg	5.0	1	01/14/22 07:49	01/14/22 14:18	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-120	1	01/14/22 07:49	01/14/22 14:18	2037-26-5	
4-Bromofluorobenzene (S)	103	%	80-120	1	01/14/22 07:49	01/14/22 14:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	80-120	1	01/14/22 07:49	01/14/22 14:18	2199-69-1	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B							
	Pace Analytical Services - Kansas City							
Tetrachloroethene	**10100**	ug/kg	311	1	01/17/22 14:14	01/18/22 02:35	127-18-4	
Trichloroethene	**3640**	ug/kg	311	1	01/17/22 14:14	01/18/22 02:35	79-01-6	
Surrogates								
Toluene-d8 (S)	105	%	80-120	1	01/17/22 14:14	01/18/22 02:35	2037-26-5	
4-Bromofluorobenzene (S)	104	%	83-119	1	01/17/22 14:14	01/18/22 02:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1	01/17/22 14:14	01/18/22 02:35	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**18.1**	%	0.50	1		01/13/22 13:20		

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ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: SB-4-(23-24) **Lab ID: 60390448009** Collected: 01/11/22 16:00 Received: 01/11/22 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
Acetone	**<15.4**	ug/kg	19.1	1	01/17/22 10:23	01/17/22 11:17	67-64-1	
Benzene	**<0.47**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	71-43-2	
Bromobenzene	**<0.89**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	108-86-1	
Bromochloromethane	**<0.57**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	74-97-5	
Bromodichloromethane	**<0.57**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	75-27-4	
Bromoform	**<0.55**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	75-25-2	
Bromomethane	**<2.8**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	74-83-9	
2-Butanone (MEK)	**<3.2**	ug/kg	9.5	1	01/17/22 10:23	01/17/22 11:17	78-93-3	
n-Butylbenzene	**<0.62**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	104-51-8	
sec-Butylbenzene	**<0.70**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	135-98-8	
tert-Butylbenzene	**<0.84**	ug/kg	23.8	1	01/17/22 10:23	01/17/22 11:17	98-06-6	
Carbon disulfide	**<0.61**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	75-15-0	
Carbon tetrachloride	**<0.82**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	56-23-5	
Chlorobenzene	**<0.60**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	108-90-7	
Chloroethane	**<1.4**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	75-00-3	
Chloroform	**<0.47**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	67-66-3	
Chloromethane	**<0.76**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	74-87-3	
2-Chlorotoluene	**<0.69**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	95-49-8	
4-Chlorotoluene	**<0.57**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/kg	9.5	1	01/17/22 10:23	01/17/22 11:17	96-12-8	
Dibromochloromethane	**<0.62**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	124-48-1	
1,2-Dibromoethane (EDB)	**<0.51**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	106-93-4	
Dibromomethane	**<0.57**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	74-95-3	
1,2-Dichlorobenzene	**<0.60**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	95-50-1	
1,3-Dichlorobenzene	**<0.68**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	541-73-1	
1,4-Dichlorobenzene	**<0.77**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	106-46-7	
Dichlorodifluoromethane	**<1.1**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	75-71-8	
1,1-Dichloroethane	**<0.37**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	75-34-3	
1,2-Dichloroethane	**<0.38**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	107-06-2	
1,2-Dichloroethene (Total)	**<1.1**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	540-59-0	
1,1-Dichloroethene	**<0.61**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	75-35-4	
cis-1,2-Dichloroethene	**0.59J**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	156-59-2	
trans-1,2-Dichloroethene	**<0.65**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	156-60-5	
1,2-Dichloropropane	**<0.93**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	78-87-5	
1,3-Dichloropropane	**<0.66**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	142-28-9	
2,2-Dichloropropane	**<0.45**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	594-20-7	
1,1-Dichloropropene	**<0.86**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	563-58-6	
cis-1,3-Dichloropropene	**<0.51**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	10061-01-5	
trans-1,3-Dichloropropene	**<0.44**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	10061-02-6	
Ethylbenzene	**<0.44**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	100-41-4	
Hexachloro-1,3-butadiene	**<0.81**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	87-68-3	
2-Hexanone	**<2.4**	ug/kg	19.1	1	01/17/22 10:23	01/17/22 11:17	591-78-6	
Isopropylbenzene (Cumene)	**<0.54**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	98-82-8	
p-Isopropyltoluene	**<0.66**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	99-87-6	
Methylene Chloride	**<2.6**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	75-09-2	

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ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: SB-4-(23-24) **Lab ID: 60390448009** Collected: 01/11/22 16:00 Received: 01/11/22 17:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
4-Methyl-2-pentanone (MIBK)	**<2.9**	ug/kg	9.5	1	01/17/22 10:23	01/17/22 11:17	108-10-1	
Methyl-tert-butyl ether	**<0.46**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	1634-04-4	
Naphthalene	**<0.78**	ug/kg	9.5	1	01/17/22 10:23	01/17/22 11:17	91-20-3	
n-Propylbenzene	**<0.76**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	103-65-1	
Styrene	**<0.56**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.97**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.95**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	79-34-5	
Tetrachloroethene	**3.7J**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	127-18-4	
Toluene	**0.61J**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	108-88-3	
1,2,3-Trichlorobenzene	**<0.76**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	87-61-6	
1,2,4-Trichlorobenzene	**<0.76**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	120-82-1	
1,1,1-Trichloroethane	**<0.71**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	71-55-6	
1,1,2-Trichloroethane	**<0.60**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	79-00-5	
Trichloroethene	**2.8J**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	79-01-6	
Trichlorofluoromethane	**<0.58**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	75-69-4	
1,2,3-Trichloropropane	**<2.0**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	96-18-4	L2
1,2,4-Trimethylbenzene	**<0.64**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	95-63-6	
1,3,5-Trimethylbenzene	**<0.60**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	108-67-8	
Vinyl chloride	**<0.63**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	75-01-4	
Xylene (Total)	**<1.1**	ug/kg	4.8	1	01/17/22 10:23	01/17/22 11:17	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-120	1	01/17/22 10:23	01/17/22 11:17	2037-26-5	
4-Bromofluorobenzene (S)	105	%	80-120	1	01/17/22 10:23	01/17/22 11:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	80-120	1	01/17/22 10:23	01/17/22 11:17	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**16.9**	%	0.50	1		01/13/22 13:21		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: FIELD BLANK-1 **Lab ID: 60390448010** Collected: 01/11/22 16:10 Received: 01/11/22 17:00 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		01/14/22 09:06	67-64-1	
Benzene	**<0.14**	ug/L	1.0	1		01/14/22 09:06	71-43-2	
Bromobenzene	**<0.088**	ug/L	1.0	1		01/14/22 09:06	108-86-1	
Bromochloromethane	**<0.20**	ug/L	1.0	1		01/14/22 09:06	74-97-5	
Bromodichloromethane	**<0.16**	ug/L	1.0	1		01/14/22 09:06	75-27-4	
Bromoform	**<0.68**	ug/L	1.0	1		01/14/22 09:06	75-25-2	
Bromomethane	**<0.46**	ug/L	5.0	1		01/14/22 09:06	74-83-9	
2-Butanone (MEK)	**<0.98**	ug/L	10.0	1		01/14/22 09:06	78-93-3	
n-Butylbenzene	**<0.15**	ug/L	1.0	1		01/14/22 09:06	104-51-8	
sec-Butylbenzene	**<0.11**	ug/L	1.0	1		01/14/22 09:06	135-98-8	
tert-Butylbenzene	**<0.12**	ug/L	1.0	1		01/14/22 09:06	98-06-6	
Carbon disulfide	**<0.98**	ug/L	5.0	1		01/14/22 09:06	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	1		01/14/22 09:06	56-23-5	
Chlorobenzene	**<0.089**	ug/L	1.0	1		01/14/22 09:06	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	1		01/14/22 09:06	75-00-3	
Chloroform	**<0.22**	ug/L	1.0	1		01/14/22 09:06	67-66-3	
Chloromethane	**<0.28**	ug/L	1.0	1		01/14/22 09:06	74-87-3	
2-Chlorotoluene	**<0.11**	ug/L	1.0	1		01/14/22 09:06	95-49-8	
4-Chlorotoluene	**<0.15**	ug/L	1.0	1		01/14/22 09:06	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.78**	ug/L	2.5	1		01/14/22 09:06	96-12-8	
Dibromochloromethane	**<0.30**	ug/L	1.0	1		01/14/22 09:06	124-48-1	
1,2-Dibromoethane (EDB)	**<0.20**	ug/L	1.0	1		01/14/22 09:06	106-93-4	
Dibromomethane	**<0.11**	ug/L	1.0	1		01/14/22 09:06	74-95-3	
1,2-Dichlorobenzene	**<0.12**	ug/L	1.0	1		01/14/22 09:06	95-50-1	
1,3-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/14/22 09:06	541-73-1	
1,4-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/14/22 09:06	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	1.0	1		01/14/22 09:06	75-71-8	
1,1-Dichloroethane	**<0.12**	ug/L	1.0	1		01/14/22 09:06	75-34-3	
1,2-Dichloroethane	**<0.21**	ug/L	1.0	1		01/14/22 09:06	107-06-2	
1,2-Dichloroethene (Total)	**<0.22**	ug/L	1.0	1		01/14/22 09:06	540-59-0	
1,1-Dichloroethene	**<0.22**	ug/L	1.0	1		01/14/22 09:06	75-35-4	
cis-1,2-Dichloroethene	**<0.13**	ug/L	1.0	1		01/14/22 09:06	156-59-2	
trans-1,2-Dichloroethene	**<0.10**	ug/L	1.0	1		01/14/22 09:06	156-60-5	
1,2-Dichloropropane	**<0.14**	ug/L	1.0	1		01/14/22 09:06	78-87-5	
1,3-Dichloropropane	**<0.10**	ug/L	1.0	1		01/14/22 09:06	142-28-9	
2,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/14/22 09:06	594-20-7	
1,1-Dichloropropene	**<0.14**	ug/L	1.0	1		01/14/22 09:06	563-58-6	
cis-1,3-Dichloropropene	**<0.078**	ug/L	1.0	1		01/14/22 09:06	10061-01-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	1.0	1		01/14/22 09:06	10061-02-6	
Ethylbenzene	**<0.12**	ug/L	1.0	1		01/14/22 09:06	100-41-4	
Hexachloro-1,3-butadiene	**<0.42**	ug/L	1.0	1		01/14/22 09:06	87-68-3	
2-Hexanone	**<1.1**	ug/L	10.0	1		01/14/22 09:06	591-78-6	
Isopropylbenzene (Cumene)	**<0.097**	ug/L	1.0	1		01/14/22 09:06	98-82-8	
p-Isopropyltoluene	**<0.13**	ug/L	1.0	1		01/14/22 09:06	99-87-6	
Methylene Chloride	**<0.39**	ug/L	1.0	1		01/14/22 09:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.74**	ug/L	10.0	1		01/14/22 09:06	108-10-1	

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ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: FIELD BLANK-1 **Lab ID: 60390448010** Collected: 01/11/22 16:10 Received: 01/11/22 17:00 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	**<0.13**	ug/L	1.0	1		01/14/22 09:06	1634-04-4	
Naphthalene	**<0.82**	ug/L	10.0	1		01/14/22 09:06	91-20-3	
n-Propylbenzene	**<0.12**	ug/L	1.0	1		01/14/22 09:06	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/14/22 09:06	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.084**	ug/L	1.0	1		01/14/22 09:06	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/14/22 09:06	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.0	1		01/14/22 09:06	127-18-4	
Toluene	**<0.25**	ug/L	1.0	1		01/14/22 09:06	108-88-3	
1,2,3-Trichlorobenzene	**<0.93**	ug/L	1.0	1		01/14/22 09:06	87-61-6	
1,2,4-Trichlorobenzene	**<0.73**	ug/L	1.0	1		01/14/22 09:06	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/14/22 09:06	71-55-6	
1,1,2-Trichloroethane	**<0.14**	ug/L	1.0	1		01/14/22 09:06	79-00-5	
Trichloroethene	**<0.21**	ug/L	1.0	1		01/14/22 09:06	79-01-6	
Trichlorofluoromethane	**<0.16**	ug/L	1.0	1		01/14/22 09:06	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	2.5	1		01/14/22 09:06	96-18-4	
1,2,4-Trimethylbenzene	**<0.32**	ug/L	1.0	1		01/14/22 09:06	95-63-6	
1,3,5-Trimethylbenzene	**<0.090**	ug/L	1.0	1		01/14/22 09:06	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	1		01/14/22 09:06	75-01-4	
Xylene (Total)	**<0.28**	ug/L	3.0	1		01/14/22 09:06	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	105	%	80-120	1		01/14/22 09:06	460-00-4	
Toluene-d8 (S)	100	%	80-120	1		01/14/22 09:06	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1		01/14/22 09:06	2199-69-1	
Preservation pH	**1.0**		0.10	1		01/14/22 09:06		

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ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: TRIP BLANK-1 **Lab ID: 60390448011** Collected: 01/11/22 16:15 Received: 01/11/22 17:00 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		01/14/22 09:20	67-64-1	
Benzene	**<0.14**	ug/L	1.0	1		01/14/22 09:20	71-43-2	
Bromobenzene	**<0.088**	ug/L	1.0	1		01/14/22 09:20	108-86-1	
Bromochloromethane	**<0.20**	ug/L	1.0	1		01/14/22 09:20	74-97-5	
Bromodichloromethane	**<0.16**	ug/L	1.0	1		01/14/22 09:20	75-27-4	
Bromoform	**<0.68**	ug/L	1.0	1		01/14/22 09:20	75-25-2	
Bromomethane	**<0.46**	ug/L	5.0	1		01/14/22 09:20	74-83-9	
2-Butanone (MEK)	**<0.98**	ug/L	10.0	1		01/14/22 09:20	78-93-3	
n-Butylbenzene	**<0.15**	ug/L	1.0	1		01/14/22 09:20	104-51-8	
sec-Butylbenzene	**<0.11**	ug/L	1.0	1		01/14/22 09:20	135-98-8	
tert-Butylbenzene	**<0.12**	ug/L	1.0	1		01/14/22 09:20	98-06-6	
Carbon disulfide	**<0.98**	ug/L	5.0	1		01/14/22 09:20	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	1		01/14/22 09:20	56-23-5	
Chlorobenzene	**<0.089**	ug/L	1.0	1		01/14/22 09:20	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	1		01/14/22 09:20	75-00-3	
Chloroform	**<0.22**	ug/L	1.0	1		01/14/22 09:20	67-66-3	
Chloromethane	**<0.28**	ug/L	1.0	1		01/14/22 09:20	74-87-3	
2-Chlorotoluene	**<0.11**	ug/L	1.0	1		01/14/22 09:20	95-49-8	
4-Chlorotoluene	**<0.15**	ug/L	1.0	1		01/14/22 09:20	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.78**	ug/L	2.5	1		01/14/22 09:20	96-12-8	
Dibromochloromethane	**<0.30**	ug/L	1.0	1		01/14/22 09:20	124-48-1	
1,2-Dibromoethane (EDB)	**<0.20**	ug/L	1.0	1		01/14/22 09:20	106-93-4	
Dibromomethane	**<0.11**	ug/L	1.0	1		01/14/22 09:20	74-95-3	
1,2-Dichlorobenzene	**<0.12**	ug/L	1.0	1		01/14/22 09:20	95-50-1	
1,3-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/14/22 09:20	541-73-1	
1,4-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/14/22 09:20	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	1.0	1		01/14/22 09:20	75-71-8	
1,1-Dichloroethane	**<0.12**	ug/L	1.0	1		01/14/22 09:20	75-34-3	
1,2-Dichloroethane	**<0.21**	ug/L	1.0	1		01/14/22 09:20	107-06-2	
1,2-Dichloroethene (Total)	**<0.22**	ug/L	1.0	1		01/14/22 09:20	540-59-0	
1,1-Dichloroethene	**<0.22**	ug/L	1.0	1		01/14/22 09:20	75-35-4	
cis-1,2-Dichloroethene	**<0.13**	ug/L	1.0	1		01/14/22 09:20	156-59-2	
trans-1,2-Dichloroethene	**<0.10**	ug/L	1.0	1		01/14/22 09:20	156-60-5	
1,2-Dichloropropane	**<0.14**	ug/L	1.0	1		01/14/22 09:20	78-87-5	
1,3-Dichloropropane	**<0.10**	ug/L	1.0	1		01/14/22 09:20	142-28-9	
2,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/14/22 09:20	594-20-7	
1,1-Dichloropropene	**<0.14**	ug/L	1.0	1		01/14/22 09:20	563-58-6	
cis-1,3-Dichloropropene	**<0.078**	ug/L	1.0	1		01/14/22 09:20	10061-01-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	1.0	1		01/14/22 09:20	10061-02-6	
Ethylbenzene	**<0.12**	ug/L	1.0	1		01/14/22 09:20	100-41-4	
Hexachloro-1,3-butadiene	**<0.42**	ug/L	1.0	1		01/14/22 09:20	87-68-3	
2-Hexanone	**<1.1**	ug/L	10.0	1		01/14/22 09:20	591-78-6	
Isopropylbenzene (Cumene)	**<0.097**	ug/L	1.0	1		01/14/22 09:20	98-82-8	
p-Isopropyltoluene	**<0.13**	ug/L	1.0	1		01/14/22 09:20	99-87-6	
Methylene Chloride	**<0.39**	ug/L	1.0	1		01/14/22 09:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.74**	ug/L	10.0	1		01/14/22 09:20	108-10-1	

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ANALYTICAL RESULTS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Sample: TRIP BLANK-1 **Lab ID: 60390448011** Collected: 01/11/22 16:15 Received: 01/11/22 17:00 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	**<0.13**	ug/L	1.0	1		01/14/22 09:20	1634-04-4	
Naphthalene	**<0.82**	ug/L	10.0	1		01/14/22 09:20	91-20-3	
n-Propylbenzene	**<0.12**	ug/L	1.0	1		01/14/22 09:20	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/14/22 09:20	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.084**	ug/L	1.0	1		01/14/22 09:20	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/14/22 09:20	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.0	1		01/14/22 09:20	127-18-4	
Toluene	**<0.25**	ug/L	1.0	1		01/14/22 09:20	108-88-3	
1,2,3-Trichlorobenzene	**<0.93**	ug/L	1.0	1		01/14/22 09:20	87-61-6	
1,2,4-Trichlorobenzene	**<0.73**	ug/L	1.0	1		01/14/22 09:20	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/14/22 09:20	71-55-6	
1,1,2-Trichloroethane	**<0.14**	ug/L	1.0	1		01/14/22 09:20	79-00-5	
Trichloroethene	**<0.21**	ug/L	1.0	1		01/14/22 09:20	79-01-6	
Trichlorofluoromethane	**<0.16**	ug/L	1.0	1		01/14/22 09:20	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	2.5	1		01/14/22 09:20	96-18-4	
1,2,4-Trimethylbenzene	**<0.32**	ug/L	1.0	1		01/14/22 09:20	95-63-6	
1,3,5-Trimethylbenzene	**<0.090**	ug/L	1.0	1		01/14/22 09:20	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	1		01/14/22 09:20	75-01-4	
Xylene (Total)	**<0.28**	ug/L	3.0	1		01/14/22 09:20	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	104	%	80-120	1		01/14/22 09:20	460-00-4	
Toluene-d8 (S)	98	%	80-120	1		01/14/22 09:20	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	80-120	1		01/14/22 09:20	2199-69-1	
Preservation pH	**1.0**		0.10	1		01/14/22 09:20		

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QUALITY CONTROL DATA

Project: 31ST & PROSPECT
Pace Project No.: 60390448

QC Batch: 766543
QC Batch Method: EPA 5035A/5030
Analysis Method: EPA 8260B
Analysis Description: 8260 MSV 5035A Volatile Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60390448001, 60390448002, 60390448003, 60390448004, 60390448005, 60390448006, 60390448007, 60390448008

METHOD BLANK: 3063378
Matrix: Solid
Associated Lab Samples: 60390448001, 60390448002, 60390448003, 60390448004, 60390448005, 60390448006, 60390448007, 60390448008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<1.0	5.0	01/14/22 09:27	
1,1,1-Trichloroethane	ug/kg	<0.75	5.0	01/14/22 09:27	
1,1,2,2-Tetrachloroethane	ug/kg	<1.0	5.0	01/14/22 09:27	
1,1,2-Trichloroethane	ug/kg	<0.63	5.0	01/14/22 09:27	
1,1-Dichloroethane	ug/kg	<0.39	5.0	01/14/22 09:27	
1,1-Dichloroethene	ug/kg	<0.64	5.0	01/14/22 09:27	
1,1-Dichloropropene	ug/kg	<0.90	5.0	01/14/22 09:27	
1,2,3-Trichlorobenzene	ug/kg	<0.80	5.0	01/14/22 09:27	
1,2,3-Trichloropropane	ug/kg	<2.1	5.0	01/14/22 09:27	
1,2,4-Trichlorobenzene	ug/kg	<0.80	5.0	01/14/22 09:27	
1,2,4-Trimethylbenzene	ug/kg	<0.67	5.0	01/14/22 09:27	
1,2-Dibromo-3-chloropropane	ug/kg	<1.8	10.0	01/14/22 09:27	
1,2-Dibromoethane (EDB)	ug/kg	<0.54	5.0	01/14/22 09:27	
1,2-Dichlorobenzene	ug/kg	<0.62	5.0	01/14/22 09:27	
1,2-Dichloroethane	ug/kg	<0.40	5.0	01/14/22 09:27	
1,2-Dichloroethene (Total)	ug/kg	<1.1	5.0	01/14/22 09:27	
1,2-Dichloropropane	ug/kg	<0.98	5.0	01/14/22 09:27	
1,3,5-Trimethylbenzene	ug/kg	<0.63	5.0	01/14/22 09:27	
1,3-Dichlorobenzene	ug/kg	<0.72	5.0	01/14/22 09:27	
1,3-Dichloropropane	ug/kg	<0.69	5.0	01/14/22 09:27	
1,4-Dichlorobenzene	ug/kg	<0.81	5.0	01/14/22 09:27	
2,2-Dichloropropane	ug/kg	<0.48	5.0	01/14/22 09:27	
2-Butanone (MEK)	ug/kg	<3.4	10.0	01/14/22 09:27	
2-Chlorotoluene	ug/kg	<0.73	5.0	01/14/22 09:27	
2-Hexanone	ug/kg	<2.5	20.0	01/14/22 09:27	
4-Chlorotoluene	ug/kg	<0.60	5.0	01/14/22 09:27	
4-Methyl-2-pentanone (MIBK)	ug/kg	<3.0	10.0	01/14/22 09:27	
Acetone	ug/kg	<16.2	20.0	01/14/22 09:27	
Benzene	ug/kg	<0.49	5.0	01/14/22 09:27	
Bromobenzene	ug/kg	<0.94	5.0	01/14/22 09:27	
Bromochloromethane	ug/kg	<0.60	5.0	01/14/22 09:27	
Bromodichloromethane	ug/kg	<0.60	5.0	01/14/22 09:27	
Bromoform	ug/kg	<0.58	5.0	01/14/22 09:27	
Bromomethane	ug/kg	<2.9	5.0	01/14/22 09:27	
Carbon disulfide	ug/kg	<0.64	5.0	01/14/22 09:27	
Carbon tetrachloride	ug/kg	<0.86	5.0	01/14/22 09:27	
Chlorobenzene	ug/kg	<0.63	5.0	01/14/22 09:27	
Chloroethane	ug/kg	<1.5	5.0	01/14/22 09:27	
Chloroform	ug/kg	<0.49	5.0	01/14/22 09:27	

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.: 60390448

METHOD BLANK: 3063378 Matrix: Solid

Associated Lab Samples: 60390448001, 60390448002, 60390448003, 60390448004, 60390448005, 60390448006, 60390448007, 60390448008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	ug/kg	<0.80	5.0	01/14/22 09:27	
cis-1,2-Dichloroethene	ug/kg	<0.43	5.0	01/14/22 09:27	
cis-1,3-Dichloropropene	ug/kg	<0.53	5.0	01/14/22 09:27	
Dibromochloromethane	ug/kg	<0.65	5.0	01/14/22 09:27	
Dibromomethane	ug/kg	<0.60	5.0	01/14/22 09:27	
Dichlorodifluoromethane	ug/kg	<1.2	5.0	01/14/22 09:27	
Ethylbenzene	ug/kg	<0.46	5.0	01/14/22 09:27	
Hexachloro-1,3-butadiene	ug/kg	<0.85	5.0	01/14/22 09:27	
Isopropylbenzene (Cumene)	ug/kg	<0.57	5.0	01/14/22 09:27	
Methyl-tert-butyl ether	ug/kg	<0.48	5.0	01/14/22 09:27	
Methylene Chloride	ug/kg	<2.7	5.0	01/14/22 09:27	
n-Butylbenzene	ug/kg	<0.65	5.0	01/14/22 09:27	
n-Propylbenzene	ug/kg	<0.80	5.0	01/14/22 09:27	
Naphthalene	ug/kg	<0.82	10.0	01/14/22 09:27	
p-Isopropyltoluene	ug/kg	<0.69	5.0	01/14/22 09:27	
sec-Butylbenzene	ug/kg	<0.73	5.0	01/14/22 09:27	
Styrene	ug/kg	<0.59	5.0	01/14/22 09:27	
tert-Butylbenzene	ug/kg	<0.88	25.0	01/14/22 09:27	
Tetrachloroethene	ug/kg	<0.41	5.0	01/14/22 09:27	
Toluene	ug/kg	<0.35	5.0	01/14/22 09:27	
trans-1,2-Dichloroethene	ug/kg	<0.68	5.0	01/14/22 09:27	
trans-1,3-Dichloropropene	ug/kg	<0.46	5.0	01/14/22 09:27	
Trichloroethene	ug/kg	<0.72	5.0	01/14/22 09:27	
Trichlorofluoromethane	ug/kg	<0.61	5.0	01/14/22 09:27	
Vinyl chloride	ug/kg	<0.67	5.0	01/14/22 09:27	
Xylene (Total)	ug/kg	<1.1	5.0	01/14/22 09:27	
1,2-Dichlorobenzene-d4 (S)	%	101	80-120	01/14/22 09:27	
4-Bromofluorobenzene (S)	%	106	80-120	01/14/22 09:27	
Toluene-d8 (S)	%	103	80-120	01/14/22 09:27	

LABORATORY CONTROL SAMPLE: 3063379

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	98.8	99	80-130	
1,1,1-Trichloroethane	ug/kg	100	100	100	75-130	
1,1,2,2-Tetrachloroethane	ug/kg	100	84.5	85	75-120	
1,1,2-Trichloroethane	ug/kg	100	93.4	93	80-120	
1,1-Dichloroethane	ug/kg	100	88.3	88	75-125	
1,1-Dichloroethene	ug/kg	100	94.6	95	70-130	
1,1-Dichloropropene	ug/kg	100	99.0	99	60-140	
1,2,3-Trichlorobenzene	ug/kg	100	101	101	80-125	
1,2,3-Trichloropropane	ug/kg	100	84.2	84	80-120	
1,2,4-Trichlorobenzene	ug/kg	100	100	100	80-125	

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QUALITY CONTROL DATA

Project: 31ST & PROSPECT
Pace Project No.: 60390448

LABORATORY CONTROL SAMPLE: 3063379

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	100	103	103	80-125	
1,2-Dibromo-3-chloropropane	ug/kg	100	82.3	82	75-135	
1,2-Dibromoethane (EDB)	ug/kg	100	95.9	96	80-125	
1,2-Dichlorobenzene	ug/kg	100	94.2	94	80-120	
1,2-Dichloroethane	ug/kg	100	87.2	87	80-120	
1,2-Dichloroethene (Total)	ug/kg	200	189	94	80-120	
1,2-Dichloropropane	ug/kg	100	91.9	92	80-120	
1,3,5-Trimethylbenzene	ug/kg	100	102	102	80-125	
1,3-Dichlorobenzene	ug/kg	100	95.7	96	80-120	
1,3-Dichloropropane	ug/kg	100	95.2	95	80-120	
1,4-Dichlorobenzene	ug/kg	100	95.9	96	80-120	
2,2-Dichloropropane	ug/kg	100	95.2	95	75-130	
2-Butanone (MEK)	ug/kg	500	430	86	60-135	
2-Chlorotoluene	ug/kg	100	92.6	93	80-120	
2-Hexanone	ug/kg	500	457	91	70-135	
4-Chlorotoluene	ug/kg	100	99.2	99	80-120	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	394	79	75-130	
Acetone	ug/kg	500	396	79	50-150	
Benzene	ug/kg	100	94.6	95	80-120	
Bromobenzene	ug/kg	100	93.1	93	80-120	
Bromochloromethane	ug/kg	100	95.5	95	75-120	
Bromodichloromethane	ug/kg	100	88.7	89	80-125	
Bromoform	ug/kg	100	92.0	92	80-135	
Bromomethane	ug/kg	100	86.9	87	35-135	
Carbon disulfide	ug/kg	100	93.1	93	65-140	
Carbon tetrachloride	ug/kg	100	97.8	98	75-140	
Chlorobenzene	ug/kg	100	99.1	99	80-120	
Chloroethane	ug/kg	100	91.0	91	50-135	
Chloroform	ug/kg	100	91.2	91	80-120	
Chloromethane	ug/kg	100	75.3	75	15-155	
cis-1,2-Dichloroethene	ug/kg	100	93.2	93	80-120	
cis-1,3-Dichloropropene	ug/kg	100	94.6	95	80-125	
Dibromochloromethane	ug/kg	100	93.5	93	80-130	
Dibromomethane	ug/kg	100	89.2	89	80-120	
Dichlorodifluoromethane	ug/kg	100	78.9	79	10-160	
Ethylbenzene	ug/kg	100	105	105	80-120	
Hexachloro-1,3-butadiene	ug/kg	100	100	100	80-135	
Isopropylbenzene (Cumene)	ug/kg	100	106	106	75-135	
Methyl-tert-butyl ether	ug/kg	100	85.3	85	75-130	
Methylene Chloride	ug/kg	100	85.9	86	65-120	
n-Butylbenzene	ug/kg	100	104	104	80-135	
n-Propylbenzene	ug/kg	100	103	103	80-125	
Naphthalene	ug/kg	100	83.3	83	80-120	
p-Isopropyltoluene	ug/kg	100	102	102	65-145	
sec-Butylbenzene	ug/kg	100	103	103	80-135	
Styrene	ug/kg	100	103	103	85-125	
tert-Butylbenzene	ug/kg	100	101	101	80-125	

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QUALITY CONTROL DATA

Project: 31ST & PROSPECT
Pace Project No.: 60390448

LABORATORY CONTROL SAMPLE: 3063379

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	100	103	103	80-130	
Toluene	ug/kg	100	101	101	80-120	
trans-1,2-Dichloroethene	ug/kg	100	95.5	95	75-125	
trans-1,3-Dichloropropene	ug/kg	100	97.9	98	80-130	
Trichloroethene	ug/kg	100	94.1	94	80-125	
Trichlorofluoromethane	ug/kg	100	94.7	95	65-135	
Vinyl chloride	ug/kg	100	85.6	86	35-145	
Xylene (Total)	ug/kg	300	320	107	80-120	
1,2-Dichlorobenzene-d4 (S)	%			101	80-120	
4-Bromofluorobenzene (S)	%			95	80-120	
Toluene-d8 (S)	%			103	80-120	

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QUALITY CONTROL DATA

Project: 31ST & PROSPECT
Pace Project No.: 60390448

QC Batch: 766798
QC Batch Method: EPA 5035A/5030
Analysis Method: EPA 8260B
Analysis Description: 8260 MSV 5035A Volatile Organics
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60390448009

METHOD BLANK: 3064479
Matrix: Solid
Associated Lab Samples: 60390448009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<1.0	5.0	01/17/22 10:29	
1,1,1-Trichloroethane	ug/kg	<0.75	5.0	01/17/22 10:29	
1,1,2,2-Tetrachloroethane	ug/kg	<1.0	5.0	01/17/22 10:29	
1,1,2-Trichloroethane	ug/kg	<0.63	5.0	01/17/22 10:29	
1,1-Dichloroethane	ug/kg	<0.39	5.0	01/17/22 10:29	
1,1-Dichloroethene	ug/kg	<0.64	5.0	01/17/22 10:29	
1,1-Dichloropropene	ug/kg	<0.90	5.0	01/17/22 10:29	
1,2,3-Trichlorobenzene	ug/kg	<0.80	5.0	01/17/22 10:29	
1,2,3-Trichloropropane	ug/kg	<2.1	5.0	01/17/22 10:29	
1,2,4-Trichlorobenzene	ug/kg	<0.80	5.0	01/17/22 10:29	
1,2,4-Trimethylbenzene	ug/kg	<0.67	5.0	01/17/22 10:29	
1,2-Dibromo-3-chloropropane	ug/kg	<1.8	10.0	01/17/22 10:29	
1,2-Dibromoethane (EDB)	ug/kg	<0.54	5.0	01/17/22 10:29	
1,2-Dichlorobenzene	ug/kg	<0.62	5.0	01/17/22 10:29	
1,2-Dichloroethane	ug/kg	<0.40	5.0	01/17/22 10:29	
1,2-Dichloroethene (Total)	ug/kg	<1.1	5.0	01/17/22 10:29	
1,2-Dichloropropane	ug/kg	<0.98	5.0	01/17/22 10:29	
1,3,5-Trimethylbenzene	ug/kg	<0.63	5.0	01/17/22 10:29	
1,3-Dichlorobenzene	ug/kg	<0.72	5.0	01/17/22 10:29	
1,3-Dichloropropane	ug/kg	<0.69	5.0	01/17/22 10:29	
1,4-Dichlorobenzene	ug/kg	<0.81	5.0	01/17/22 10:29	
2,2-Dichloropropane	ug/kg	<0.48	5.0	01/17/22 10:29	
2-Butanone (MEK)	ug/kg	<3.4	10.0	01/17/22 10:29	
2-Chlorotoluene	ug/kg	<0.73	5.0	01/17/22 10:29	
2-Hexanone	ug/kg	<2.5	20.0	01/17/22 10:29	
4-Chlorotoluene	ug/kg	<0.60	5.0	01/17/22 10:29	
4-Methyl-2-pentanone (MIBK)	ug/kg	<3.0	10.0	01/17/22 10:29	
Acetone	ug/kg	<16.2	20.0	01/17/22 10:29	
Benzene	ug/kg	<0.49	5.0	01/17/22 10:29	
Bromobenzene	ug/kg	<0.94	5.0	01/17/22 10:29	
Bromochloromethane	ug/kg	<0.60	5.0	01/17/22 10:29	
Bromodichloromethane	ug/kg	<0.60	5.0	01/17/22 10:29	
Bromoform	ug/kg	<0.58	5.0	01/17/22 10:29	
Bromomethane	ug/kg	<2.9	5.0	01/17/22 10:29	
Carbon disulfide	ug/kg	<0.64	5.0	01/17/22 10:29	
Carbon tetrachloride	ug/kg	<0.86	5.0	01/17/22 10:29	
Chlorobenzene	ug/kg	<0.63	5.0	01/17/22 10:29	
Chloroethane	ug/kg	<1.5	5.0	01/17/22 10:29	
Chloroform	ug/kg	<0.49	5.0	01/17/22 10:29	
Chloromethane	ug/kg	<0.80	5.0	01/17/22 10:29	

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QUALITY CONTROL DATA

Project: 31ST & PROSPECT
Pace Project No.: 60390448

METHOD BLANK: 3064479 Matrix: Solid
Associated Lab Samples: 60390448009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	<0.43	5.0	01/17/22 10:29	
cis-1,3-Dichloropropene	ug/kg	<0.53	5.0	01/17/22 10:29	
Dibromochloromethane	ug/kg	<0.65	5.0	01/17/22 10:29	
Dibromomethane	ug/kg	<0.60	5.0	01/17/22 10:29	
Dichlorodifluoromethane	ug/kg	<1.2	5.0	01/17/22 10:29	
Ethylbenzene	ug/kg	<0.46	5.0	01/17/22 10:29	
Hexachloro-1,3-butadiene	ug/kg	<0.85	5.0	01/17/22 10:29	
Isopropylbenzene (Cumene)	ug/kg	<0.57	5.0	01/17/22 10:29	
Methyl-tert-butyl ether	ug/kg	<0.48	5.0	01/17/22 10:29	
Methylene Chloride	ug/kg	<2.7	5.0	01/17/22 10:29	
n-Butylbenzene	ug/kg	<0.65	5.0	01/17/22 10:29	
n-Propylbenzene	ug/kg	<0.80	5.0	01/17/22 10:29	
Naphthalene	ug/kg	<0.82	10.0	01/17/22 10:29	
p-Isopropyltoluene	ug/kg	<0.69	5.0	01/17/22 10:29	
sec-Butylbenzene	ug/kg	<0.73	5.0	01/17/22 10:29	
Styrene	ug/kg	<0.59	5.0	01/17/22 10:29	
tert-Butylbenzene	ug/kg	<0.88	25.0	01/17/22 10:29	
Tetrachloroethene	ug/kg	<0.41	5.0	01/17/22 10:29	
Toluene	ug/kg	<0.35	5.0	01/17/22 10:29	
trans-1,2-Dichloroethene	ug/kg	<0.68	5.0	01/17/22 10:29	
trans-1,3-Dichloropropene	ug/kg	<0.46	5.0	01/17/22 10:29	
Trichloroethene	ug/kg	<0.72	5.0	01/17/22 10:29	
Trichlorofluoromethane	ug/kg	<0.61	5.0	01/17/22 10:29	
Vinyl chloride	ug/kg	<0.67	5.0	01/17/22 10:29	
Xylene (Total)	ug/kg	<1.1	5.0	01/17/22 10:29	
1,2-Dichlorobenzene-d4 (S)	%	101	80-120	01/17/22 10:29	
4-Bromofluorobenzene (S)	%	91	80-120	01/17/22 10:29	
Toluene-d8 (S)	%	103	80-120	01/17/22 10:29	

LABORATORY CONTROL SAMPLE: 3064480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	99.0	99	80-130	
1,1,1-Trichloroethane	ug/kg	100	104	104	75-130	
1,1,2,2-Tetrachloroethane	ug/kg	100	77.1	77	75-120	
1,1,2-Trichloroethane	ug/kg	100	90.0	90	80-120	
1,1-Dichloroethane	ug/kg	100	89.4	89	75-125	
1,1-Dichloroethene	ug/kg	100	96.4	96	70-130	
1,1-Dichloropropene	ug/kg	100	100	100	60-140	
1,2,3-Trichlorobenzene	ug/kg	100	89.9	90	80-125	
1,2,3-Trichloropropane	ug/kg	100	79.4	79	80-120	L2
1,2,4-Trichlorobenzene	ug/kg	100	93.5	93	80-125	
1,2,4-Trimethylbenzene	ug/kg	100	95.7	96	80-125	
1,2-Dibromo-3-chloropropane	ug/kg	100	80.4	80	75-135	

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QUALITY CONTROL DATA

Project: 31ST & PROSPECT
Pace Project No.: 60390448

LABORATORY CONTROL SAMPLE: 3064480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	100	95.1	95	80-125	
1,2-Dichlorobenzene	ug/kg	100	93.4	93	80-120	
1,2-Dichloroethane	ug/kg	100	86.1	86	80-120	
1,2-Dichloroethene (Total)	ug/kg	200	191	96	80-120	
1,2-Dichloropropane	ug/kg	100	90.1	90	80-120	
1,3,5-Trimethylbenzene	ug/kg	100	95.7	96	80-125	
1,3-Dichlorobenzene	ug/kg	100	93.6	94	80-120	
1,3-Dichloropropane	ug/kg	100	94.1	94	80-120	
1,4-Dichlorobenzene	ug/kg	100	93.0	93	80-120	
2,2-Dichloropropane	ug/kg	100	97.4	97	75-130	
2-Butanone (MEK)	ug/kg	500	503	101	60-135	
2-Chlorotoluene	ug/kg	100	88.8	89	80-120	
2-Hexanone	ug/kg	500	537	107	70-135	
4-Chlorotoluene	ug/kg	100	93.6	94	80-120	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	403	81	75-130	
Acetone	ug/kg	500	485	97	50-150	
Benzene	ug/kg	100	95.2	95	80-120	
Bromobenzene	ug/kg	100	87.3	87	80-120	
Bromochloromethane	ug/kg	100	96.3	96	75-120	
Bromodichloromethane	ug/kg	100	90.8	91	80-125	
Bromoform	ug/kg	100	89.5	89	80-135	
Bromomethane	ug/kg	100	86.5	86	35-135	
Carbon disulfide	ug/kg	100	94.3	94	65-140	
Carbon tetrachloride	ug/kg	100	101	101	75-140	
Chlorobenzene	ug/kg	100	98.5	99	80-120	
Chloroethane	ug/kg	100	89.8	90	50-135	
Chloroform	ug/kg	100	92.6	93	80-120	
Chloromethane	ug/kg	100	71.7	72	15-155	
cis-1,2-Dichloroethene	ug/kg	100	95.5	95	80-120	
cis-1,3-Dichloropropene	ug/kg	100	95.8	96	80-125	
Dibromochloromethane	ug/kg	100	93.7	94	80-130	
Dibromomethane	ug/kg	100	90.4	90	80-120	
Dichlorodifluoromethane	ug/kg	100	77.6	78	10-160	
Ethylbenzene	ug/kg	100	105	105	80-120	
Hexachloro-1,3-butadiene	ug/kg	100	93.8	94	80-135	
Isopropylbenzene (Cumene)	ug/kg	100	104	104	75-135	
Methyl-tert-butyl ether	ug/kg	100	84.3	84	75-130	
Methylene Chloride	ug/kg	100	85.3	85	65-120	
n-Butylbenzene	ug/kg	100	101	101	80-135	
n-Propylbenzene	ug/kg	100	97.4	97	80-125	
Naphthalene	ug/kg	100	79.5	80	80-120	
p-Isopropyltoluene	ug/kg	100	101	101	65-145	
sec-Butylbenzene	ug/kg	100	101	101	80-135	
Styrene	ug/kg	100	102	102	85-125	
tert-Butylbenzene	ug/kg	100	95.9	96	80-125	
Tetrachloroethene	ug/kg	100	106	106	80-130	
Toluene	ug/kg	100	101	101	80-120	

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QUALITY CONTROL DATA

Project: 31ST & PROSPECT
Pace Project No.: 60390448

LABORATORY CONTROL SAMPLE: 3064480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	100	96.0	96	75-125	
trans-1,3-Dichloropropene	ug/kg	100	95.8	96	80-130	
Trichloroethene	ug/kg	100	95.5	96	80-125	
Trichlorofluoromethane	ug/kg	100	97.6	98	65-135	
Vinyl chloride	ug/kg	100	84.6	85	35-145	
Xylene (Total)	ug/kg	300	316	105	80-120	
1,2-Dichlorobenzene-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			90	80-120	
Toluene-d8 (S)	%			103	80-120	

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QUALITY CONTROL DATA

Project: 31ST & PROSPECT
Pace Project No.: 60390448

QC Batch: 766884
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260B
Analysis Description: 8260 MSV 5035A Volatile Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60390448004, 60390448005, 60390448008

METHOD BLANK: 3064717
Matrix: Solid
Associated Lab Samples: 60390448004, 60390448005, 60390448008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/kg	<22.5	250	01/18/22 01:47	
Trichloroethene	ug/kg	<21.9	250	01/18/22 01:47	
1,2-Dichlorobenzene-d4 (S)	%	100	80-120	01/18/22 01:47	
4-Bromofluorobenzene (S)	%	98	83-119	01/18/22 01:47	
Toluene-d8 (S)	%	118	80-120	01/18/22 01:47	

LABORATORY CONTROL SAMPLE: 3064718

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	5000	4790	96	72-122	
Trichloroethene	ug/kg	5000	4420	88	82-128	
1,2-Dichlorobenzene-d4 (S)	%			102	80-120	
4-Bromofluorobenzene (S)	%			90	83-119	
Toluene-d8 (S)	%			103	80-120	

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QUALITY CONTROL DATA

Project: 31ST & PROSPECT
Pace Project No.: 60390448

QC Batch: 766548
QC Batch Method: EPA 5030B/8260
Analysis Method: EPA 5030B/8260
Analysis Description: 8260 MSV Water 10 mL Purge
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60390448010, 60390448011

METHOD BLANK: 3063382
Matrix: Water
Associated Lab Samples: 60390448010, 60390448011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.084	1.0	01/14/22 08:39	
1,1,1-Trichloroethane	ug/L	<0.11	1.0	01/14/22 08:39	
1,1,2,2-Tetrachloroethane	ug/L	<0.15	1.0	01/14/22 08:39	
1,1,2-Trichloroethane	ug/L	<0.14	1.0	01/14/22 08:39	
1,1-Dichloroethane	ug/L	<0.12	1.0	01/14/22 08:39	
1,1-Dichloroethene	ug/L	<0.22	1.0	01/14/22 08:39	
1,1-Dichloropropene	ug/L	<0.14	1.0	01/14/22 08:39	
1,2,3-Trichlorobenzene	ug/L	<0.93	1.0	01/14/22 08:39	
1,2,3-Trichloropropane	ug/L	<0.41	2.5	01/14/22 08:39	
1,2,4-Trichlorobenzene	ug/L	<0.73	1.0	01/14/22 08:39	
1,2,4-Trimethylbenzene	ug/L	<0.32	1.0	01/14/22 08:39	
1,2-Dibromo-3-chloropropane	ug/L	<0.78	2.5	01/14/22 08:39	
1,2-Dibromoethane (EDB)	ug/L	<0.20	1.0	01/14/22 08:39	
1,2-Dichlorobenzene	ug/L	<0.12	1.0	01/14/22 08:39	
1,2-Dichloroethane	ug/L	<0.21	1.0	01/14/22 08:39	
1,2-Dichloroethene (Total)	ug/L	<0.22	1.0	01/14/22 08:39	
1,2-Dichloropropane	ug/L	<0.14	1.0	01/14/22 08:39	
1,3,5-Trimethylbenzene	ug/L	<0.090	1.0	01/14/22 08:39	
1,3-Dichlorobenzene	ug/L	<0.13	1.0	01/14/22 08:39	
1,3-Dichloropropane	ug/L	<0.10	1.0	01/14/22 08:39	
1,4-Dichlorobenzene	ug/L	<0.13	1.0	01/14/22 08:39	
2,2-Dichloropropane	ug/L	<0.16	1.0	01/14/22 08:39	
2-Butanone (MEK)	ug/L	1.3J	10.0	01/14/22 08:39	
2-Chlorotoluene	ug/L	<0.11	1.0	01/14/22 08:39	
2-Hexanone	ug/L	<1.1	10.0	01/14/22 08:39	
4-Chlorotoluene	ug/L	<0.15	1.0	01/14/22 08:39	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.74	10.0	01/14/22 08:39	
Acetone	ug/L	<2.5	10.0	01/14/22 08:39	
Benzene	ug/L	<0.14	1.0	01/14/22 08:39	
Bromobenzene	ug/L	<0.088	1.0	01/14/22 08:39	
Bromochloromethane	ug/L	<0.20	1.0	01/14/22 08:39	
Bromodichloromethane	ug/L	<0.16	1.0	01/14/22 08:39	
Bromoform	ug/L	<0.68	1.0	01/14/22 08:39	
Bromomethane	ug/L	<0.46	5.0	01/14/22 08:39	
Carbon disulfide	ug/L	<0.98	5.0	01/14/22 08:39	
Carbon tetrachloride	ug/L	<0.17	1.0	01/14/22 08:39	
Chlorobenzene	ug/L	<0.089	1.0	01/14/22 08:39	
Chloroethane	ug/L	<0.37	1.0	01/14/22 08:39	
Chloroform	ug/L	<0.22	1.0	01/14/22 08:39	
Chloromethane	ug/L	<0.28	1.0	01/14/22 08:39	

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QUALITY CONTROL DATA

Project: 31ST & PROSPECT
Pace Project No.: 60390448

METHOD BLANK: 3063382 Matrix: Water
Associated Lab Samples: 60390448010, 60390448011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	<0.13	1.0	01/14/22 08:39	
cis-1,3-Dichloropropene	ug/L	<0.078	1.0	01/14/22 08:39	
Dibromochloromethane	ug/L	<0.30	1.0	01/14/22 08:39	
Dibromomethane	ug/L	<0.11	1.0	01/14/22 08:39	
Dichlorodifluoromethane	ug/L	<0.20	1.0	01/14/22 08:39	
Ethylbenzene	ug/L	<0.12	1.0	01/14/22 08:39	
Hexachloro-1,3-butadiene	ug/L	<0.42	1.0	01/14/22 08:39	
Isopropylbenzene (Cumene)	ug/L	<0.097	1.0	01/14/22 08:39	
Methyl-tert-butyl ether	ug/L	<0.13	1.0	01/14/22 08:39	
Methylene Chloride	ug/L	<0.39	1.0	01/14/22 08:39	
n-Butylbenzene	ug/L	<0.15	1.0	01/14/22 08:39	
n-Propylbenzene	ug/L	<0.12	1.0	01/14/22 08:39	
Naphthalene	ug/L	<0.82	10.0	01/14/22 08:39	
p-Isopropyltoluene	ug/L	<0.13	1.0	01/14/22 08:39	
sec-Butylbenzene	ug/L	<0.11	1.0	01/14/22 08:39	
Styrene	ug/L	<0.12	1.0	01/14/22 08:39	
tert-Butylbenzene	ug/L	<0.12	1.0	01/14/22 08:39	
Tetrachloroethene	ug/L	<0.33	1.0	01/14/22 08:39	
Toluene	ug/L	<0.25	1.0	01/14/22 08:39	
trans-1,2-Dichloroethene	ug/L	<0.10	1.0	01/14/22 08:39	
trans-1,3-Dichloropropene	ug/L	<0.18	1.0	01/14/22 08:39	
Trichloroethene	ug/L	<0.21	1.0	01/14/22 08:39	
Trichlorofluoromethane	ug/L	<0.16	1.0	01/14/22 08:39	
Vinyl chloride	ug/L	<0.17	1.0	01/14/22 08:39	
Xylene (Total)	ug/L	<0.28	3.0	01/14/22 08:39	
1,2-Dichlorobenzene-d4 (S)	%	102	80-120	01/14/22 08:39	
4-Bromofluorobenzene (S)	%	104	80-120	01/14/22 08:39	
Toluene-d8 (S)	%	101	80-120	01/14/22 08:39	

LABORATORY CONTROL SAMPLE: 3063383

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.1	105	80-120	
1,1,1-Trichloroethane	ug/L	20	21.1	105	80-120	
1,1,2,2-Tetrachloroethane	ug/L	20	20.2	101	75-125	
1,1,2-Trichloroethane	ug/L	20	19.5	97	80-120	
1,1-Dichloroethane	ug/L	20	19.2	96	75-125	
1,1-Dichloroethene	ug/L	20	19.2	96	80-120	
1,1-Dichloropropene	ug/L	20	20.5	103	80-125	
1,2,3-Trichlorobenzene	ug/L	20	19.8	99	75-125	
1,2,3-Trichloropropane	ug/L	20	19.8	99	80-125	
1,2,4-Trichlorobenzene	ug/L	20	18.2	91	75-120	
1,2,4-Trimethylbenzene	ug/L	20	21.8	109	80-125	
1,2-Dibromo-3-chloropropane	ug/L	20	17.0	85	70-120	

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QUALITY CONTROL DATA

Project: 31ST & PROSPECT
Pace Project No.: 60390448

LABORATORY CONTROL SAMPLE: 3063383

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	20.1	101	80-120	
1,2-Dichlorobenzene	ug/L	20	19.9	100	80-120	
1,2-Dichloroethane	ug/L	20	20.0	100	75-120	
1,2-Dichloroethene (Total)	ug/L	40	39.5	99	80-120	
1,2-Dichloropropane	ug/L	20	20.9	105	80-125	
1,3,5-Trimethylbenzene	ug/L	20	21.3	107	80-125	
1,3-Dichlorobenzene	ug/L	20	20.5	102	80-120	
1,3-Dichloropropane	ug/L	20	20.3	101	80-120	
1,4-Dichlorobenzene	ug/L	20	19.4	97	80-120	
2,2-Dichloropropane	ug/L	20	19.7	98	60-130	
2-Butanone (MEK)	ug/L	100	105	105	40-150	
2-Chlorotoluene	ug/L	20	21.8	109	80-120	
2-Hexanone	ug/L	100	106	106	45-150	
4-Chlorotoluene	ug/L	20	20.0	100	80-120	
4-Methyl-2-pentanone (MIBK)	ug/L	100	95.6	96	65-140	
Acetone	ug/L	100	131	131	20-175	
Benzene	ug/L	20	21.4	107	80-120	
Bromobenzene	ug/L	20	20.1	101	80-120	
Bromochloromethane	ug/L	20	20.4	102	80-125	
Bromodichloromethane	ug/L	20	20.2	101	80-125	
Bromoform	ug/L	20	15.5	77	60-135	
Bromomethane	ug/L	20	14.1	70	10-165	
Carbon disulfide	ug/L	20	20.3	102	75-135	
Carbon tetrachloride	ug/L	20	20.6	103	80-125	
Chlorobenzene	ug/L	20	21.1	105	80-120	
Chloroethane	ug/L	20	17.3	87	70-130	
Chloroform	ug/L	20	19.4	97	80-120	
Chloromethane	ug/L	20	14.6	73	35-155	
cis-1,2-Dichloroethene	ug/L	20	19.9	99	80-120	
cis-1,3-Dichloropropene	ug/L	20	21.1	106	80-125	
Dibromochloromethane	ug/L	20	17.2	86	70-120	
Dibromomethane	ug/L	20	19.2	96	80-120	
Dichlorodifluoromethane	ug/L	20	20.3	101	50-150	
Ethylbenzene	ug/L	20	20.4	102	80-120	
Hexachloro-1,3-butadiene	ug/L	20	20.7	104	65-135	
Isopropylbenzene (Cumene)	ug/L	20	21.5	108	80-125	
Methyl-tert-butyl ether	ug/L	20	18.7	93	65-130	
Methylene Chloride	ug/L	20	19.3	97	75-120	
n-Butylbenzene	ug/L	20	21.0	105	80-125	
n-Propylbenzene	ug/L	20	21.4	107	80-120	
Naphthalene	ug/L	20	19.8	99	70-120	
p-Isopropyltoluene	ug/L	20	21.5	107	80-135	
sec-Butylbenzene	ug/L	20	22.4	112	80-120	
Styrene	ug/L	20	22.3	111	80-120	
tert-Butylbenzene	ug/L	20	21.7	108	80-120	
Tetrachloroethene	ug/L	20	20.7	103	80-120	
Toluene	ug/L	20	20.1	101	80-120	

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QUALITY CONTROL DATA

Project: 31ST & PROSPECT
Pace Project No.: 60390448

LABORATORY CONTROL SAMPLE: 3063383

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/L	20	19.7	98	80-120	
trans-1,3-Dichloropropene	ug/L	20	17.4	87	75-120	
Trichloroethene	ug/L	20	19.9	100	80-120	
Trichlorofluoromethane	ug/L	20	20.0	100	80-130	
Vinyl chloride	ug/L	20	18.4	92	65-130	
Xylene (Total)	ug/L	60	62.8	105	80-120	
1,2-Dichlorobenzene-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			101	80-120	
Toluene-d8 (S)	%			99	80-120	

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QUALITY CONTROL DATA

Project: 31ST & PROSPECT
Pace Project No.: 60390448

QC Batch: 766405
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60390448001, 60390448002, 60390448003, 60390448004, 60390448005, 60390448006, 60390448007, 60390448008, 60390448009

METHOD BLANK: 3062780
Matrix: Solid
Associated Lab Samples: 60390448001, 60390448002, 60390448003, 60390448004, 60390448005, 60390448006, 60390448007, 60390448008, 60390448009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	<0.50	0.50	01/13/22 13:19	

SAMPLE DUPLICATE: 3062781

Parameter	Units	60390447001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.0	14.2	1	20	

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QUALIFIERS

Project: 31ST & PROSPECT
Pace Project No.: 60390448

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.

BATCH QUALIFIERS

Batch: 766548

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 31ST & PROSPECT
Pace Project No.: 60390448

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60390448001	**SB-1-(7-8)**	EPA 5035A/5030	766543	EPA 8260B	766595
60390448002	**SB-1-(7-8)-FD**	EPA 5035A/5030	766543	EPA 8260B	766595
60390448003	**SB-1-(21-22)**	EPA 5035A/5030	766543	EPA 8260B	766595
60390448004	**SB-2-(19-20)**	EPA 5035A/5030	766543	EPA 8260B	766595
60390448005	**SB-2-(24-25)**	EPA 5035A/5030	766543	EPA 8260B	766595
60390448006	**SB-3-(21-22)**	EPA 5035A/5030	766543	EPA 8260B	766595
60390448007	**SB-3-(4-5)**	EPA 5035A/5030	766543	EPA 8260B	766595
60390448008	**SB-4-(11.5-12.5)**	EPA 5035A/5030	766543	EPA 8260B	766595
60390448009	**SB-4-(23-24)**	EPA 5035A/5030	766798	EPA 8260B	766825
60390448004	**SB-2-(19-20)**	EPA 5035A/5030B	766884	EPA 8260B	766897
60390448005	**SB-2-(24-25)**	EPA 5035A/5030B	766884	EPA 8260B	766897
60390448008	**SB-4-(11.5-12.5)**	EPA 5035A/5030B	766884	EPA 8260B	766897
60390448010	**FIELD BLANK-1**	EPA 5030B/8260	766548		
60390448011	**TRIP BLANK-1**	EPA 5030B/8260	766548		
60390448001	**SB-1-(7-8)**	ASTM D2974	766405		
60390448002	**SB-1-(7-8)-FD**	ASTM D2974	766405		
60390448003	**SB-1-(21-22)**	ASTM D2974	766405		
60390448004	**SB-2-(19-20)**	ASTM D2974	766405		
60390448005	**SB-2-(24-25)**	ASTM D2974	766405		
60390448006	**SB-3-(21-22)**	ASTM D2974	766405		
60390448007	**SB-3-(4-5)**	ASTM D2974	766405		
60390448008	**SB-4-(11.5-12.5)**	ASTM D2974	766405		
60390448009	**SB-4-(23-24)**	ASTM D2974	766405		

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Sample Condition Upon Receipt

WO# : 60390448

60390448

Client Name: TETRA TECH EMI

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

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☑

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

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

Thermometer Used: T299 **Type of Ice:** (Wet) Blue None

Cooler Temperature (°C): **As-read** 0.6 **Corr. Factor** -0.2 **Corrected** 0.4°C

Date and initials of person examining contents: SR 1/12/22

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	
Rush Turn Around Time requested:	☐Yes ☑No ☐N/A	
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☑N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: SL	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☐Yes ☐No ☑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)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☑Yes ☐No ☐N/A	
Headspace in VOA vials (>6mm):	☑Yes ☐No ☐N/A	
Samples from USDA Regulated Area: State: MO	☐Yes ☑No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑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: _____

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.

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Page : 1 Of 1

Section A — Required Client Information:

Company:	TETRA TECH EMI
Address:	415 Oak
	Kansas City, MO 64106
Email:	emily.fisher@tetratech.com
Phone:	(816)412-1755 Fax:
Requested Due Date:	

Section B — Required Project Information:

Report To:	Emily Fisher
Copy To:	Stephanie Caples
Purchase Order #:	
Project Name:	31st & Prospect
Project #:	

Section C — Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	nolie.wood@pacelabs.com,
Pace Profile #:	

Regulatory Agency:

State / Location: MO

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other S. Bisulfate	Analyses Test Y/N	VOC by 8260	8260 Mini Bisulfate 5035 kit	Trip BLANK	~~Trip BLANK~~ Field Blank	Residual Chlorine (Y/N)	
1	SB-1-(7-8)	SL	G	1/11/22	0950				4	1						1	2			X				L0390448 ~~L0390387~~ VRB 1/12/22
2	SB-1-(7-8)-FD				↓					1						1	2			X				
3	SB-1-(21-22)				1010					1						1	2			X				
4	SB-2-(19-20)				1120															X				
5	SB-2-(24-25)				1130															X				
6	SB-3-(21-22)				1355															X				
7	SB-3-(4-5)				1400															X				
8	SB-4-(11.5-12.5)				1550															X				
9	SB-4-(23-24)				1600															X				
10	Field Blank-1	WT			1610				3				3						X			X		
11	Trip Blank-1	WT			1615				2				2						X		X			
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
All collected today.	Stephanie Caples / TT	1/11/22	1700	[signature]	1/11/22	1700	0.4	Y	N	Y
Not Complete.										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Reed Niemack / Stephanie Caples

SIGNATURE of SAMPLER: [signature] DATE Signed: 1/11/22

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Client: TETRA TECH EMI

Site: 31ST & PROSPECT

Profile #: 970 LENE | SOIL LINE 2 WATER

Notes: 2 VG9H LIQUID TRIP BLANKS

COC Line Item	Matrix	VG9H	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	SL						1	2							1																	
2	SL						1	2							1																	
3	SL						1	2							1																	
4	SL						1	2							1																	
5	SL						1	2							1																	
6	SL						1	2							1																	
7	SL						1	2							1																	
8	SL						1	2							1																	
9	SL						1	2							1																	
10	WT	3																														
11	WT	2	TRIP	BLANKS																												
12																																

Container Codes

Glass			
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar
DG9H	40mL HCl amber voa vial	WGFU	4oz clear soil jar
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass
		AG5U	100mL unpres amber glass

Plastic	
BP1C	1L NAOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn Acetate
BP2C	500mL NAOH plastic
BP2N	500mL HNO3 plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Acetate
BP3C	250mL NaOH plastic
BP3F	250mL HNO3 plastic - field filtered
BP3N	250mL HNO3 plastic
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, Zn Acetate
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic
WPDU	16oz unpresserved plstic

Misc.	
I	Wipe/Swab
SP5T	120mL Coliform Na Thiosulfate
ZPLC	Ziploc Bag
AF	Air Filter
C	Air Cassettes
R	Terracore Kit
U	Summa Can

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

Work Order Number: 60390448

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

January 24, 2022

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

RE: Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Dear Emily Fisher:

Enclosed are the analytical results for sample(s) received by the laboratory on January 13, 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,

Nolie Wood
nolie.wood@pacelabs.com
1(913)563-1401
Project Manager

Enclosures

cc: Stephanie Caples, Tetra Tech EMI

Pace Analytical Services, LLC
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(913)599-5665

CERTIFICATIONS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Missouri Inorganic Drinking Water Certification #: 10090
Arkansas Drinking Water
Arkansas Certification #: 20-020-0
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 #: T104704407-19-12
Utah Certification #: KS000212019-9
Illinois Certification #: 004592
Kansas Field Laboratory Accreditation: # E-92587
Missouri SEKS Micro Certification: 10070

Pace Analytical Services, LLC
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SAMPLE SUMMARY

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60390654001	**SB-5-(4-5)**	Solid	01/12/22 09:02	01/13/22 14:50
60390654002	**SB-5-(19-20)**	Solid	01/12/22 09:09	01/13/22 14:50
60390654003	**SB-6-(19-20)**	Solid	01/12/22 11:25	01/13/22 14:50
60390654004	**SB-6-(22.5-23.5)**	Solid	01/12/22 11:30	01/13/22 14:50
60390654005	**SB-7-(13.5-14.5)**	Solid	01/13/22 09:37	01/13/22 14:50
60390654006	**SB-7-(19-20)**	Solid	01/13/22 09:40	01/13/22 14:50
60390654007	**SB-8-(19-20)**	Solid	01/13/22 10:49	01/13/22 14:50
60390654008	**SB-8-(23-24)**	Solid	01/13/22 10:53	01/13/22 14:50
60390654009	**FEILD BLANK-2**	Water	01/12/22 11:55	01/13/22 14:50
60390654010	**FEILD BLANK-3**	Water	01/13/22 09:20	01/13/22 14:50
60390654011	**TRIP BLANK-2**	Water	01/13/22 13:45	01/13/22 14:50
60390654012	**SOIL-IDW**	Solid	01/13/22 11:46	01/13/22 14:50

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SAMPLE ANALYTE COUNT

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60390654001	**SB-5-(4-5)**	EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60390654002	**SB-5-(19-20)**	EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60390654003	**SB-6-(19-20)**	EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60390654004	**SB-6-(22.5-23.5)**	EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60390654005	**SB-7-(13.5-14.5)**	EPA 8260B	RAD	66	PASI-K
		EPA 8260B	RAD	5	PASI-K
		ASTM D2974	DWC	1	PASI-K
60390654006	**SB-7-(19-20)**	EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60390654007	**SB-8-(19-20)**	EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60390654008	**SB-8-(23-24)**	EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
60390654009	**FEILD BLANK-2**	EPA 5030B/8260	PGH	69	PASI-K
60390654010	**FEILD BLANK-3**	EPA 5030B/8260	PGH	69	PASI-K
60390654011	**TRIP BLANK-2**	EPA 5030B/8260	PGH	69	PASI-K
60390654012	**SOIL-IDW**	EPA 8260B	RAD	68	PASI-K
		ASTM D2974	DWC	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

Pace Analytical Services, LLC
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Lenexa, KS 66219
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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: SB-5-(4-5) **Lab ID: 60390654001** Collected: 01/12/22 09:02 Received: 01/13/22 14:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
Acetone	**56.5**	ug/kg	21.6	1	01/17/22 10:23	01/17/22 15:03	67-64-1	
Benzene	**0.59J**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	71-43-2	
Bromobenzene	**<1.0**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	108-86-1	
Bromochloromethane	**<0.65**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	74-97-5	
Bromodichloromethane	**<0.65**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	75-27-4	
Bromoform	**<0.62**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	75-25-2	
Bromomethane	**<3.2**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	74-83-9	
2-Butanone (MEK)	**7.1J**	ug/kg	10.8	1	01/17/22 10:23	01/17/22 15:03	78-93-3	
n-Butylbenzene	**<0.70**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	104-51-8	
sec-Butylbenzene	**<0.79**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	135-98-8	
tert-Butylbenzene	**<0.95**	ug/kg	27.0	1	01/17/22 10:23	01/17/22 15:03	98-06-6	
Carbon disulfide	**<0.69**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	75-15-0	
Carbon tetrachloride	**<0.93**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	56-23-5	
Chlorobenzene	**<0.68**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	108-90-7	
Chloroethane	**<1.6**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	75-00-3	
Chloroform	**<0.53**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	67-66-3	
Chloromethane	**<0.86**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	74-87-3	
2-Chlorotoluene	**<0.79**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	95-49-8	
4-Chlorotoluene	**<0.65**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/kg	10.8	1	01/17/22 10:23	01/17/22 15:03	96-12-8	
Dibromochloromethane	**<0.70**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	124-48-1	
1,2-Dibromoethane (EDB)	**<0.58**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	106-93-4	
Dibromomethane	**<0.65**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	74-95-3	
1,2-Dichlorobenzene	**<0.68**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	95-50-1	
1,3-Dichlorobenzene	**<0.78**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	541-73-1	
1,4-Dichlorobenzene	**<0.88**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	106-46-7	
Dichlorodifluoromethane	**<1.3**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	75-71-8	
1,1-Dichloroethane	**<0.42**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	75-34-3	
1,2-Dichloroethane	**<0.43**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	107-06-2	
1,2-Dichloroethene (Total)	**<1.2**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	540-59-0	
1,1-Dichloroethene	**<0.69**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	156-59-2	
trans-1,2-Dichloroethene	**<0.73**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	156-60-5	
1,2-Dichloropropane	**<1.1**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	78-87-5	
1,3-Dichloropropane	**<0.75**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	142-28-9	
2,2-Dichloropropane	**<0.51**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	594-20-7	
1,1-Dichloropropene	**<0.97**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	563-58-6	
cis-1,3-Dichloropropene	**<0.57**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	10061-01-5	
trans-1,3-Dichloropropene	**<0.49**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	10061-02-6	
Ethylbenzene	**<0.50**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	100-41-4	
Hexachloro-1,3-butadiene	**<0.92**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	87-68-3	
2-Hexanone	**<2.7**	ug/kg	21.6	1	01/17/22 10:23	01/17/22 15:03	591-78-6	
Isopropylbenzene (Cumene)	**<0.62**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	98-82-8	
p-Isopropyltoluene	**<0.74**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	99-87-6	
Methylene Chloride	**<3.0**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	75-09-2	

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: SB-5-(4-5) **Lab ID: 60390654001** Collected: 01/12/22 09:02 Received: 01/13/22 14:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
4-Methyl-2-pentanone (MIBK)	**<3.3**	ug/kg	10.8	1	01/17/22 10:23	01/17/22 15:03	108-10-1	
Methyl-tert-butyl ether	**<0.52**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	1634-04-4	
Naphthalene	**<0.89**	ug/kg	10.8	1	01/17/22 10:23	01/17/22 15:03	91-20-3	
n-Propylbenzene	**<0.87**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	103-65-1	
Styrene	**<0.64**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.1**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.1**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	79-34-5	
Tetrachloroethene	**7.3**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	127-18-4	
Toluene	**0.74J**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	108-88-3	
1,2,3-Trichlorobenzene	**<0.86**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	87-61-6	
1,2,4-Trichlorobenzene	**<0.86**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	120-82-1	
1,1,1-Trichloroethane	**<0.81**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	71-55-6	
1,1,2-Trichloroethane	**<0.68**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	79-00-5	
Trichloroethene	**<0.78**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	79-01-6	
Trichlorofluoromethane	**<0.66**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	75-69-4	
1,2,3-Trichloropropane	**<2.3**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	96-18-4	L2
1,2,4-Trimethylbenzene	**<0.72**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	95-63-6	
1,3,5-Trimethylbenzene	**<0.68**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	108-67-8	
Vinyl chloride	**<0.72**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	75-01-4	
Xylene (Total)	**<1.2**	ug/kg	5.4	1	01/17/22 10:23	01/17/22 15:03	1330-20-7	
Surrogates								
Toluene-d8 (S)	103	%	80-120	1	01/17/22 10:23	01/17/22 15:03	2037-26-5	
4-Bromofluorobenzene (S)	107	%	80-120	1	01/17/22 10:23	01/17/22 15:03	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	80-120	1	01/17/22 10:23	01/17/22 15:03	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**17.5**	%	0.50	1		01/14/22 10:55		

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: SB-5-(19-20) **Lab ID: 60390654002** Collected: 01/12/22 09:09 Received: 01/13/22 14:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
Acetone	**<21.6**	ug/kg	26.7	1	01/17/22 10:23	01/17/22 15:19	67-64-1	
Benzene	**<0.66**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	71-43-2	
Bromobenzene	**<1.3**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	108-86-1	
Bromochloromethane	**<0.80**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	74-97-5	
Bromodichloromethane	**<0.80**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	75-27-4	
Bromoform	**<0.77**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	75-25-2	
Bromomethane	**<3.9**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	74-83-9	
2-Butanone (MEK)	**<4.6**	ug/kg	13.4	1	01/17/22 10:23	01/17/22 15:19	78-93-3	
n-Butylbenzene	**<0.87**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	104-51-8	
sec-Butylbenzene	**<0.98**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	135-98-8	
tert-Butylbenzene	**<1.2**	ug/kg	33.4	1	01/17/22 10:23	01/17/22 15:19	98-06-6	
Carbon disulfide	**<0.86**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	75-15-0	
Carbon tetrachloride	**<1.1**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	56-23-5	
Chlorobenzene	**<0.84**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	108-90-7	
Chloroethane	**<2.0**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	75-00-3	
Chloroform	**<0.66**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	67-66-3	
Chloromethane	**<1.1**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	74-87-3	
2-Chlorotoluene	**<0.97**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	95-49-8	
4-Chlorotoluene	**<0.80**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/kg	13.4	1	01/17/22 10:23	01/17/22 15:19	96-12-8	
Dibromochloromethane	**<0.86**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	124-48-1	
1,2-Dibromoethane (EDB)	**<0.71**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	106-93-4	
Dibromomethane	**<0.80**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	95-50-1	
1,3-Dichlorobenzene	**<0.96**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	541-73-1	
1,4-Dichlorobenzene	**<1.1**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	106-46-7	
Dichlorodifluoromethane	**<1.6**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	75-71-8	
1,1-Dichloroethane	**<0.52**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	75-34-3	
1,2-Dichloroethane	**<0.53**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	107-06-2	
1,2-Dichloroethene (Total)	**<1.5**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	540-59-0	
1,1-Dichloroethene	**<0.85**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	75-35-4	
cis-1,2-Dichloroethene	**<0.58**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	156-59-2	
trans-1,2-Dichloroethene	**<0.91**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	156-60-5	
1,2-Dichloropropane	**<1.3**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	78-87-5	
1,3-Dichloropropane	**<0.92**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	142-28-9	
2,2-Dichloropropane	**<0.63**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	594-20-7	
1,1-Dichloropropene	**<1.2**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	563-58-6	
cis-1,3-Dichloropropene	**<0.71**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	10061-01-5	
trans-1,3-Dichloropropene	**<0.61**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	10061-02-6	
Ethylbenzene	**<0.62**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	100-41-4	
Hexachloro-1,3-butadiene	**<1.1**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	87-68-3	
2-Hexanone	**<3.3**	ug/kg	26.7	1	01/17/22 10:23	01/17/22 15:19	591-78-6	
Isopropylbenzene (Cumene)	**<0.76**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	98-82-8	
p-Isopropyltoluene	**<0.92**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	99-87-6	
Methylene Chloride	**<3.7**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	75-09-2	

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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: SB-5-(19-20) **Lab ID: 60390654002** Collected: 01/12/22 09:09 Received: 01/13/22 14:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
4-Methyl-2-pentanone (MIBK)	**<4.0**	ug/kg	13.4	1	01/17/22 10:23	01/17/22 15:19	108-10-1	
Methyl-tert-butyl ether	**<0.64**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	1634-04-4	
Naphthalene	**<1.1**	ug/kg	13.4	1	01/17/22 10:23	01/17/22 15:19	91-20-3	
n-Propylbenzene	**<1.1**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	103-65-1	
Styrene	**<0.79**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.4**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.3**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	79-34-5	
Tetrachloroethene	**8.4**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	127-18-4	
Toluene	**<0.47**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	108-88-3	
1,2,3-Trichlorobenzene	**<1.1**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	87-61-6	
1,2,4-Trichlorobenzene	**<1.1**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	120-82-1	
1,1,1-Trichloroethane	**<1.0**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	71-55-6	
1,1,2-Trichloroethane	**<0.84**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	79-00-5	
Trichloroethene	**<0.97**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	79-01-6	
Trichlorofluoromethane	**<0.82**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	75-69-4	
1,2,3-Trichloropropane	**<2.9**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	96-18-4	L2
1,2,4-Trimethylbenzene	**<0.89**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	95-63-6	
1,3,5-Trimethylbenzene	**<0.84**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	108-67-8	
Vinyl chloride	**<0.89**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	75-01-4	
Xylene (Total)	**<1.5**	ug/kg	6.7	1	01/17/22 10:23	01/17/22 15:19	1330-20-7	
Surrogates								
Toluene-d8 (S)	97	%	80-120	1	01/17/22 10:23	01/17/22 15:19	2037-26-5	
4-Bromofluorobenzene (S)	102	%	80-120	1	01/17/22 10:23	01/17/22 15:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	80-120	1	01/17/22 10:23	01/17/22 15:19	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**19.1**	%	0.50	1		01/14/22 10:55		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: SB-6-(19-20) **Lab ID: 60390654003** Collected: 01/12/22 11:25 Received: 01/13/22 14:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
Acetone	**<16.2**	ug/kg	20.0	1	01/17/22 10:23	01/17/22 15:35	67-64-1	
Benzene	**<0.49**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	71-43-2	
Bromobenzene	**<0.94**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	108-86-1	
Bromochloromethane	**<0.60**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	74-97-5	
Bromodichloromethane	**<0.60**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	75-27-4	
Bromoform	**<0.57**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	75-25-2	
Bromomethane	**<2.9**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	74-83-9	
2-Butanone (MEK)	**<3.4**	ug/kg	10	1	01/17/22 10:23	01/17/22 15:35	78-93-3	
n-Butylbenzene	**<0.65**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	104-51-8	
sec-Butylbenzene	**<0.73**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	135-98-8	
tert-Butylbenzene	**<0.88**	ug/kg	25.0	1	01/17/22 10:23	01/17/22 15:35	98-06-6	
Carbon disulfide	**<0.64**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	75-15-0	
Carbon tetrachloride	**<0.86**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	56-23-5	
Chlorobenzene	**<0.63**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	108-90-7	
Chloroethane	**<1.5**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	75-00-3	
Chloroform	**<0.49**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	67-66-3	
Chloromethane	**<0.80**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	74-87-3	
2-Chlorotoluene	**<0.73**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	95-49-8	
4-Chlorotoluene	**<0.60**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/kg	10	1	01/17/22 10:23	01/17/22 15:35	96-12-8	
Dibromochloromethane	**<0.64**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	124-48-1	
1,2-Dibromoethane (EDB)	**<0.53**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	106-93-4	
Dibromomethane	**<0.60**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	74-95-3	
1,2-Dichlorobenzene	**<0.62**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	95-50-1	
1,3-Dichlorobenzene	**<0.72**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	541-73-1	
1,4-Dichlorobenzene	**<0.81**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	106-46-7	
Dichlorodifluoromethane	**<1.2**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	75-71-8	
1,1-Dichloroethane	**<0.39**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	75-34-3	
1,2-Dichloroethane	**<0.40**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	107-06-2	
1,2-Dichloroethene (Total)	**<1.1**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	540-59-0	
1,1-Dichloroethene	**<0.64**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	75-35-4	
cis-1,2-Dichloroethene	**<0.43**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	156-59-2	
trans-1,2-Dichloroethene	**<0.68**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	156-60-5	
1,2-Dichloropropane	**<0.98**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	78-87-5	
1,3-Dichloropropane	**<0.69**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	142-28-9	
2,2-Dichloropropane	**<0.47**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	594-20-7	
1,1-Dichloropropene	**<0.90**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	563-58-6	
cis-1,3-Dichloropropene	**<0.53**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	10061-01-5	
trans-1,3-Dichloropropene	**<0.46**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	10061-02-6	
Ethylbenzene	**<0.46**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	100-41-4	
Hexachloro-1,3-butadiene	**<0.85**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	87-68-3	
2-Hexanone	**<2.5**	ug/kg	20.0	1	01/17/22 10:23	01/17/22 15:35	591-78-6	
Isopropylbenzene (Cumene)	**<0.57**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	98-82-8	
p-Isopropyltoluene	**<0.69**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	99-87-6	
Methylene Chloride	**<2.7**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	75-09-2	

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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: SB-6-(19-20) **Lab ID: 60390654003** Collected: 01/12/22 11:25 Received: 01/13/22 14:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
4-Methyl-2-pentanone (MIBK)	**<3.0**	ug/kg	10	1	01/17/22 10:23	01/17/22 15:35	108-10-1	
Methyl-tert-butyl ether	**<0.48**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	1634-04-4	
Naphthalene	**<0.82**	ug/kg	10	1	01/17/22 10:23	01/17/22 15:35	91-20-3	
n-Propylbenzene	**<0.80**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	103-65-1	
Styrene	**<0.59**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	79-34-5	
Tetrachloroethene	**<0.41**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	127-18-4	
Toluene	**<0.35**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	108-88-3	
1,2,3-Trichlorobenzene	**<0.80**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	87-61-6	
1,2,4-Trichlorobenzene	**<0.80**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	120-82-1	
1,1,1-Trichloroethane	**<0.75**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	71-55-6	
1,1,2-Trichloroethane	**<0.63**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	79-00-5	
Trichloroethene	**<0.72**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	79-01-6	
Trichlorofluoromethane	**<0.61**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	75-69-4	
1,2,3-Trichloropropane	**<2.1**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	96-18-4	L2
1,2,4-Trimethylbenzene	**<0.67**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	95-63-6	
1,3,5-Trimethylbenzene	**<0.63**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	108-67-8	
Vinyl chloride	**<0.66**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	75-01-4	
Xylene (Total)	**<1.1**	ug/kg	5.0	1	01/17/22 10:23	01/17/22 15:35	1330-20-7	
Surrogates								
Toluene-d8 (S)	97	%	80-120	1	01/17/22 10:23	01/17/22 15:35	2037-26-5	
4-Bromofluorobenzene (S)	103	%	80-120	1	01/17/22 10:23	01/17/22 15:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	80-120	1	01/17/22 10:23	01/17/22 15:35	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**18.3**	%	0.50	1		01/14/22 10:55		

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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: SB-6-(22.5-23.5) **Lab ID: 60390654004** Collected: 01/12/22 11:30 Received: 01/13/22 14:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
Acetone	**<15.8**	ug/kg	19.6	1	01/17/22 10:23	01/17/22 15:51	67-64-1	
Benzene	**<0.48**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	71-43-2	
Bromobenzene	**<0.92**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	108-86-1	
Bromochloromethane	**<0.59**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	74-97-5	
Bromodichloromethane	**<0.59**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	75-27-4	
Bromoform	**<0.56**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	75-25-2	
Bromomethane	**<2.9**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	74-83-9	
2-Butanone (MEK)	**<3.3**	ug/kg	9.8	1	01/17/22 10:23	01/17/22 15:51	78-93-3	
n-Butylbenzene	**<0.64**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	104-51-8	
sec-Butylbenzene	**<0.72**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	135-98-8	
tert-Butylbenzene	**<0.86**	ug/kg	24.5	1	01/17/22 10:23	01/17/22 15:51	98-06-6	
Carbon disulfide	**<0.63**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	75-15-0	
Carbon tetrachloride	**<0.84**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	56-23-5	
Chlorobenzene	**<0.61**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	108-90-7	
Chloroethane	**<1.5**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	75-00-3	
Chloroform	**<0.48**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	67-66-3	
Chloromethane	**<0.78**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	74-87-3	
2-Chlorotoluene	**<0.71**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	95-49-8	
4-Chlorotoluene	**<0.59**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/kg	9.8	1	01/17/22 10:23	01/17/22 15:51	96-12-8	
Dibromochloromethane	**<0.63**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	124-48-1	
1,2-Dibromoethane (EDB)	**<0.52**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	106-93-4	
Dibromomethane	**<0.59**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	74-95-3	
1,2-Dichlorobenzene	**<0.61**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	95-50-1	
1,3-Dichlorobenzene	**<0.70**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	541-73-1	
1,4-Dichlorobenzene	**<0.79**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	106-46-7	
Dichlorodifluoromethane	**<1.2**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	75-71-8	
1,1-Dichloroethane	**<0.38**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	75-34-3	
1,2-Dichloroethane	**<0.39**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	107-06-2	
1,2-Dichloroethene (Total)	**<1.1**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	540-59-0	
1,1-Dichloroethene	**<0.63**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	75-35-4	
cis-1,2-Dichloroethene	**<0.42**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	156-59-2	
trans-1,2-Dichloroethene	**<0.66**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	156-60-5	
1,2-Dichloropropane	**<0.96**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	78-87-5	
1,3-Dichloropropane	**<0.68**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	142-28-9	
2,2-Dichloropropane	**<0.46**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	594-20-7	
1,1-Dichloropropene	**<0.88**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	563-58-6	
cis-1,3-Dichloropropene	**<0.52**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	10061-01-5	
trans-1,3-Dichloropropene	**<0.45**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	10061-02-6	
Ethylbenzene	**<0.45**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	100-41-4	
Hexachloro-1,3-butadiene	**<0.83**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	87-68-3	
2-Hexanone	**<2.4**	ug/kg	19.6	1	01/17/22 10:23	01/17/22 15:51	591-78-6	
Isopropylbenzene (Cumene)	**<0.56**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	99-87-6	
Methylene Chloride	**<2.7**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	75-09-2	

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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: SB-6-(22.5-23.5) **Lab ID: 60390654004** Collected: 01/12/22 11:30 Received: 01/13/22 14:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
4-Methyl-2-pentanone (MIBK)	**<3.0**	ug/kg	9.8	1	01/17/22 10:23	01/17/22 15:51	108-10-1	
Methyl-tert-butyl ether	**<0.47**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	1634-04-4	
Naphthalene	**<0.80**	ug/kg	9.8	1	01/17/22 10:23	01/17/22 15:51	91-20-3	
n-Propylbenzene	**<0.79**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	103-65-1	
Styrene	**<0.58**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.98**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	79-34-5	
Tetrachloroethene	**<0.40**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	127-18-4	
Toluene	**<0.34**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	108-88-3	
1,2,3-Trichlorobenzene	**<0.78**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	87-61-6	
1,2,4-Trichlorobenzene	**<0.78**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	120-82-1	
1,1,1-Trichloroethane	**<0.73**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	71-55-6	
1,1,2-Trichloroethane	**<0.62**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	79-00-5	
Trichloroethene	**<0.71**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	79-01-6	
Trichlorofluoromethane	**<0.60**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	75-69-4	
1,2,3-Trichloropropane	**<2.1**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	96-18-4	L2
1,2,4-Trimethylbenzene	**<0.66**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	95-63-6	
1,3,5-Trimethylbenzene	**<0.61**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	108-67-8	
Vinyl chloride	**<0.65**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	75-01-4	
Xylene (Total)	**<1.1**	ug/kg	4.9	1	01/17/22 10:23	01/17/22 15:51	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	01/17/22 10:23	01/17/22 15:51	2037-26-5	
4-Bromofluorobenzene (S)	100	%	80-120	1	01/17/22 10:23	01/17/22 15:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	80-120	1	01/17/22 10:23	01/17/22 15:51	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**18.1**	%	0.50	1		01/14/22 10:55		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: SB-7-(13.5-14.5) **Lab ID: 60390654005** Collected: 01/13/22 09:37 Received: 01/13/22 14:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
Acetone	**<17.0**	ug/kg	21.0	1	01/17/22 10:23	01/17/22 16:07	67-64-1	
Benzene	**0.55J**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	71-43-2	
Bromobenzene	**<0.99**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	108-86-1	
Bromochloromethane	**<0.63**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	74-97-5	
Bromodichloromethane	**<0.63**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	75-27-4	
Bromoform	**<0.60**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	75-25-2	
Bromomethane	**<3.1**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	74-83-9	
2-Butanone (MEK)	**<3.6**	ug/kg	10.5	1	01/17/22 10:23	01/17/22 16:07	78-93-3	
n-Butylbenzene	**<0.68**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	104-51-8	
sec-Butylbenzene	**<0.77**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	135-98-8	
tert-Butylbenzene	**<0.93**	ug/kg	26.2	1	01/17/22 10:23	01/17/22 16:07	98-06-6	
Carbon disulfide	**<0.67**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	75-15-0	
Carbon tetrachloride	**<0.90**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	56-23-5	
Chlorobenzene	**<0.66**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	108-90-7	
Chloroethane	**<1.6**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	75-00-3	
Chloroform	**<0.52**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	67-66-3	
Chloromethane	**<0.84**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	74-87-3	
2-Chlorotoluene	**<0.76**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	95-49-8	
4-Chlorotoluene	**<0.63**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.9**	ug/kg	10.5	1	01/17/22 10:23	01/17/22 16:07	96-12-8	
Dibromochloromethane	**<0.68**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	106-93-4	
Dibromomethane	**<0.63**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	74-95-3	
1,2-Dichlorobenzene	**<0.66**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	95-50-1	
1,3-Dichlorobenzene	**<0.75**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	541-73-1	
1,4-Dichlorobenzene	**<0.85**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	106-46-7	
Dichlorodifluoromethane	**<1.2**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	75-71-8	
1,1-Dichloroethane	**<0.41**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	75-34-3	
1,2-Dichloroethane	**<0.42**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	107-06-2	
1,2-Dichloroethene (Total)	**14.6**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	540-59-0	
1,1-Dichloroethene	**<0.67**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	75-35-4	
cis-1,2-Dichloroethene	**14.2**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	156-59-2	
trans-1,2-Dichloroethene	**<0.71**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	78-87-5	
1,3-Dichloropropane	**<0.73**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	142-28-9	
2,2-Dichloropropane	**<0.50**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	594-20-7	
1,1-Dichloropropene	**<0.94**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	563-58-6	
cis-1,3-Dichloropropene	**<0.56**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	10061-01-5	
trans-1,3-Dichloropropene	**<0.48**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	10061-02-6	
Ethylbenzene	**<0.48**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	100-41-4	
Hexachloro-1,3-butadiene	**<0.89**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	87-68-3	
2-Hexanone	**<2.6**	ug/kg	21.0	1	01/17/22 10:23	01/17/22 16:07	591-78-6	
Isopropylbenzene (Cumene)	**<0.60**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	98-82-8	
p-Isopropyltoluene	**<0.72**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	99-87-6	
Methylene Chloride	**<2.9**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	75-09-2	

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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: SB-7-(13.5-14.5) **Lab ID: 60390654005** Collected: 01/13/22 09:37 Received: 01/13/22 14:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
4-Methyl-2-pentanone (MIBK)	**<3.2**	ug/kg	10.5	1	01/17/22 10:23	01/17/22 16:07	108-10-1	
Methyl-tert-butyl ether	**<0.50**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	1634-04-4	
Naphthalene	**<0.86**	ug/kg	10.5	1	01/17/22 10:23	01/17/22 16:07	91-20-3	
n-Propylbenzene	**<0.84**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	103-65-1	
Styrene	**<0.62**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.1**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	79-34-5	
Toluene	**<0.37**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	108-88-3	
1,2,3-Trichlorobenzene	**<0.84**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	87-61-6	
1,2,4-Trichlorobenzene	**<0.84**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	120-82-1	
1,1,1-Trichloroethane	**<0.78**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	71-55-6	
1,1,2-Trichloroethane	**<0.66**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	79-00-5	
Trichlorofluoromethane	**<0.64**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	75-69-4	
1,2,3-Trichloropropane	**<2.2**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	96-18-4	L2
1,2,4-Trimethylbenzene	**<0.70**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	95-63-6	
1,3,5-Trimethylbenzene	**<0.66**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	108-67-8	
Vinyl chloride	**<0.70**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	75-01-4	
Xylene (Total)	**<1.2**	ug/kg	5.2	1	01/17/22 10:23	01/17/22 16:07	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-120	1	01/17/22 10:23	01/17/22 16:07	2037-26-5	
4-Bromofluorobenzene (S)	102	%	80-120	1	01/17/22 10:23	01/17/22 16:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	80-120	1	01/17/22 10:23	01/17/22 16:07	2199-69-1	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B							
	Pace Analytical Services - Kansas City							
Tetrachloroethene	**2470**	ug/kg	333	1	01/18/22 15:30	01/18/22 20:32	127-18-4	
Trichloroethene	**961**	ug/kg	333	1	01/18/22 15:30	01/18/22 20:32	79-01-6	
Surrogates								
Toluene-d8 (S)	104	%	80-120	1	01/18/22 15:30	01/18/22 20:32	2037-26-5	
4-Bromofluorobenzene (S)	100	%	83-119	1	01/18/22 15:30	01/18/22 20:32	460-00-4	
1,2-Dichlorobenzene-d4 (S)	111	%	80-120	1	01/18/22 15:30	01/18/22 20:32	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**22.8**	%	0.50	1		01/14/22 10:55		

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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: SB-7-(19-20) **Lab ID: 60390654006** Collected: 01/13/22 09:40 Received: 01/13/22 14:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B							
	Pace Analytical Services - Kansas City							
Acetone	**318J**	ug/kg	1110	1	01/18/22 08:02	01/18/22 08:58	67-64-1	
Benzene	**<23.2**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	71-43-2	
Bromobenzene	**<33.3**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	108-86-1	
Bromochloromethane	**<29.5**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	74-97-5	
Bromodichloromethane	**<20.9**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	75-27-4	
Bromoform	**<16.7**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	75-25-2	
Bromomethane	**<161**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	74-83-9	
2-Butanone (MEK)	**<126**	ug/kg	553	1	01/18/22 08:02	01/18/22 08:58	78-93-3	
n-Butylbenzene	**<50.4**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	104-51-8	
sec-Butylbenzene	**47.3J**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	135-98-8	
tert-Butylbenzene	**<35.1**	ug/kg	1380	1	01/18/22 08:02	01/18/22 08:58	98-06-6	
Carbon disulfide	**<29.1**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	75-15-0	
Carbon tetrachloride	**<26.1**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	56-23-5	
Chlorobenzene	**<27.4**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	108-90-7	
Chloroethane	**<42.2**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	75-00-3	
Chloroform	**<22.2**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	67-66-3	
Chloromethane	**<67.4**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	74-87-3	
2-Chlorotoluene	**<30.6**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	95-49-8	
4-Chlorotoluene	**<39.0**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	106-43-4	
1,2-Dibromo-3-chloropropane	**<61.8**	ug/kg	553	1	01/18/22 08:02	01/18/22 08:58	96-12-8	
Dibromochloromethane	**<23.4**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	124-48-1	
1,2-Dibromoethane (EDB)	**<20.2**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	106-93-4	
Dibromomethane	**<28.2**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	74-95-3	
1,2-Dichlorobenzene	**<42.5**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	95-50-1	
1,3-Dichlorobenzene	**<41.7**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	541-73-1	
1,4-Dichlorobenzene	**<42.2**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	106-46-7	
Dichlorodifluoromethane	**<43.6**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	75-71-8	
1,1-Dichloroethane	**<98.7**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	75-34-3	
1,2-Dichloroethane	**<19.6**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	107-06-2	
1,2-Dichloroethene (Total)	**62.0J**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	540-59-0	
1,1-Dichloroethene	**<28.3**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	75-35-4	
cis-1,2-Dichloroethene	**62.0J**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	156-59-2	
trans-1,2-Dichloroethene	**<20.9**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	156-60-5	
1,2-Dichloropropane	**<20.6**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	78-87-5	
1,3-Dichloropropane	**<21.3**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	142-28-9	L1
2,2-Dichloropropane	**<22.3**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	594-20-7	
1,1-Dichloropropene	**<24.5**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	563-58-6	
cis-1,3-Dichloropropene	**<22.8**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	10061-01-5	
trans-1,3-Dichloropropene	**<19.8**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	10061-02-6	
Ethylbenzene	**<28.8**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	100-41-4	
Hexachloro-1,3-butadiene	**85.7J**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	87-68-3	
2-Hexanone	**<107**	ug/kg	1110	1	01/18/22 08:02	01/18/22 08:58	591-78-6	
Isopropylbenzene (Cumene)	**39.0J**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	98-82-8	
p-Isopropyltoluene	**<41.5**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	99-87-6	
Methylene Chloride	**<259**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	75-09-2	

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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: SB-7-(19-20) **Lab ID: 60390654006** Collected: 01/13/22 09:40 Received: 01/13/22 14:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B							
	Pace Analytical Services - Kansas City							
4-Methyl-2-pentanone (MIBK)	**<101**	ug/kg	553	1	01/18/22 08:02	01/18/22 08:58	108-10-1	
Methyl-tert-butyl ether	**<27.5**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	1634-04-4	
Naphthalene	**299J**	ug/kg	553	1	01/18/22 08:02	01/18/22 08:58	91-20-3	
n-Propylbenzene	**<40.3**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	103-65-1	
Styrene	**<46.9**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	100-42-5	
1,1,1,2-Tetrachloroethane	**<22.3**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	630-20-6	
1,1,2,2-Tetrachloroethane	**<23.4**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	79-34-5	
Tetrachloroethene	**371**	ug/kg	276	1	01/18/22 08:02	01/19/22 13:19	127-18-4	
Toluene	**<25.4**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	108-88-3	
1,2,3-Trichlorobenzene	**<79.9**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	87-61-6	
1,2,4-Trichlorobenzene	**<62.1**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	120-82-1	
1,1,1-Trichloroethane	**<23.0**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	71-55-6	
1,1,2-Trichloroethane	**<34.6**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	79-00-5	
Trichloroethene	**149J**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	79-01-6	
Trichlorofluoromethane	**<29.1**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	75-69-4	
1,2,3-Trichloropropane	**<31.1**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	96-18-4	
1,2,4-Trimethylbenzene	**40.3J**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	95-63-6	
1,3,5-Trimethylbenzene	**<39.4**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	108-67-8	
Vinyl chloride	**<28.2**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	75-01-4	
Xylene (Total)	**<90.7**	ug/kg	276	1	01/18/22 08:02	01/18/22 08:58	1330-20-7	
Surrogates								
Toluene-d8 (S)	106	%	80-120	1	01/18/22 08:02	01/19/22 13:19	2037-26-5	
4-Bromofluorobenzene (S)	99	%	83-119	1	01/18/22 08:02	01/19/22 13:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	80-120	1	01/18/22 08:02	01/19/22 13:19	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**19.6**	%	0.50	1		01/14/22 10:55		

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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: SB-8-(19-20) **Lab ID: 60390654007** Collected: 01/13/22 10:49 Received: 01/13/22 14:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B							
	Pace Analytical Services - Kansas City							
Acetone	**<1400**	ug/kg	6460	5	01/18/22 08:02	01/18/22 11:07	67-64-1	
Benzene	**66300**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	71-43-2	
Bromobenzene	**<194**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	108-86-1	
Bromochloromethane	**<173**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	74-97-5	
Bromodichloromethane	**<122**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	75-27-4	
Bromoform	**<97.6**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	75-25-2	
Bromomethane	**<943**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	74-83-9	
2-Butanone (MEK)	**<737**	ug/kg	3230	5	01/18/22 08:02	01/18/22 11:07	78-93-3	
n-Butylbenzene	**5820**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	104-51-8	
sec-Butylbenzene	**1730**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	135-98-8	
tert-Butylbenzene	**<205**	ug/kg	8080	5	01/18/22 08:02	01/18/22 11:07	98-06-6	
Carbon disulfide	**<170**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	75-15-0	
Carbon tetrachloride	**<152**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	56-23-5	
Chlorobenzene	**<160**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	108-90-7	
Chloroethane	**<247**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	75-00-3	
Chloroform	**373J**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	67-66-3	
Chloromethane	**<394**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	74-87-3	
2-Chlorotoluene	**<179**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	95-49-8	
4-Chlorotoluene	**<228**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	106-43-4	
1,2-Dibromo-3-chloropropane	**<361**	ug/kg	3230	5	01/18/22 08:02	01/18/22 11:07	96-12-8	
Dibromochloromethane	**<137**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	124-48-1	
1,2-Dibromoethane (EDB)	**<118**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	106-93-4	
Dibromomethane	**<165**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	74-95-3	
1,2-Dichlorobenzene	**<249**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	95-50-1	
1,3-Dichlorobenzene	**<244**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	541-73-1	
1,4-Dichlorobenzene	**<247**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	106-46-7	
Dichlorodifluoromethane	**<255**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	75-71-8	
1,1-Dichloroethane	**<577**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	75-34-3	
1,2-Dichloroethane	**<114**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	107-06-2	
1,2-Dichloroethene (Total)	**<272**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	540-59-0	
1,1-Dichloroethene	**<165**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	75-35-4	
cis-1,2-Dichloroethene	**<151**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	156-59-2	
trans-1,2-Dichloroethene	**<122**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	156-60-5	
1,2-Dichloropropane	**1430J**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	78-87-5	
1,3-Dichloropropane	**<125**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	142-28-9	L1
2,2-Dichloropropane	**<131**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	594-20-7	
1,1-Dichloropropene	**<143**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	563-58-6	
cis-1,3-Dichloropropene	**<133**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	10061-01-5	
trans-1,3-Dichloropropene	**<116**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	10061-02-6	
Ethylbenzene	**14400**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	100-41-4	
Hexachloro-1,3-butadiene	**<411**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	87-68-3	
2-Hexanone	**<628**	ug/kg	6460	5	01/18/22 08:02	01/18/22 11:07	591-78-6	
Isopropylbenzene (Cumene)	**4030**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	98-82-8	
p-Isopropyltoluene	**4210**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	99-87-6	
Methylene Chloride	**<1510**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	75-09-2	

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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: SB-8-(19-20) **Lab ID: 60390654007** Collected: 01/13/22 10:49 Received: 01/13/22 14:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B							
	Pace Analytical Services - Kansas City							
4-Methyl-2-pentanone (MIBK)	**<593**	ug/kg	3230	5	01/18/22 08:02	01/18/22 11:07	108-10-1	
Methyl-tert-butyl ether	**<161**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	1634-04-4	
Naphthalene	**14000**	ug/kg	3230	5	01/18/22 08:02	01/18/22 11:07	91-20-3	
n-Propylbenzene	**6200**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	103-65-1	
Styrene	**<274**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	100-42-5	
1,1,1,2-Tetrachloroethane	**<131**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	630-20-6	
1,1,2,2-Tetrachloroethane	**<137**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	79-34-5	
Tetrachloroethene	**<145**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	127-18-4	L1
Toluene	**50400**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	108-88-3	
1,2,3-Trichlorobenzene	**<467**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	87-61-6	
1,2,4-Trichlorobenzene	**<363**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	120-82-1	
1,1,1-Trichloroethane	**<134**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	71-55-6	
1,1,2-Trichloroethane	**<202**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	79-00-5	
Trichloroethene	**217J**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	79-01-6	
Trichlorofluoromethane	**<170**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	75-69-4	
1,2,3-Trichloropropane	**<182**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	96-18-4	
1,2,4-Trimethylbenzene	**42600**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	95-63-6	
1,3,5-Trimethylbenzene	**13700**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	108-67-8	
Vinyl chloride	**<165**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	75-01-4	
Xylene (Total)	**103000**	ug/kg	1620	5	01/18/22 08:02	01/18/22 11:07	1330-20-7	
Surrogates								
Toluene-d8 (S)	103	%	80-120	5	01/18/22 08:02	01/18/22 11:07	2037-26-5	
4-Bromofluorobenzene (S)	97	%	83-119	5	01/18/22 08:02	01/18/22 11:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	80-120	5	01/18/22 08:02	01/18/22 11:07	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**19.3**	%	0.50	1		01/14/22 10:55		

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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: SB-8-(23-24) **Lab ID: 60390654008** Collected: 01/13/22 10:53 Received: 01/13/22 14:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Acetone	**<251**	ug/kg	1150	1	01/18/22 08:02	01/18/22 10:35	67-64-1	
Benzene	**17300**	ug/kg	577	2	01/18/22 08:02	01/18/22 10:51	71-43-2	
Bromobenzene	**<34.8**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	108-86-1	
Bromochloromethane	**<30.8**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	74-97-5	
Bromodichloromethane	**<21.8**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	75-27-4	
Bromoform	**<17.4**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	75-25-2	
Bromomethane	**<169**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	74-83-9	
2-Butanone (MEK)	**521J**	ug/kg	577	1	01/18/22 08:02	01/18/22 10:35	78-93-3	
n-Butylbenzene	**<52.6**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	104-51-8	
sec-Butylbenzene	**<43.9**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	135-98-8	
tert-Butylbenzene	**<36.7**	ug/kg	1440	1	01/18/22 08:02	01/18/22 10:35	98-06-6	
Carbon disulfide	**<30.4**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	75-15-0	
Carbon tetrachloride	**<27.2**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	56-23-5	
Chlorobenzene	**<28.6**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	108-90-7	
Chloroethane	**<44.1**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	75-00-3	
Chloroform	**<23.2**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	67-66-3	
Chloromethane	**<70.4**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	74-87-3	
2-Chlorotoluene	**<32.0**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	95-49-8	
4-Chlorotoluene	**<40.8**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	106-43-4	
1,2-Dibromo-3-chloropropane	**<64.5**	ug/kg	577	1	01/18/22 08:02	01/18/22 10:35	96-12-8	
Dibromochloromethane	**<24.5**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	124-48-1	
1,2-Dibromoethane (EDB)	**<21.1**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	106-93-4	
Dibromomethane	**<29.4**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	74-95-3	
1,2-Dichlorobenzene	**<44.5**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	95-50-1	
1,3-Dichlorobenzene	**<43.5**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	541-73-1	
1,4-Dichlorobenzene	**<44.1**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	106-46-7	
Dichlorodifluoromethane	**<45.6**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	75-71-8	
1,1-Dichloroethane	**<103**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	75-34-3	
1,2-Dichloroethane	**<20.4**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	107-06-2	
1,2-Dichloroethene (Total)	**<48.6**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	540-59-0	
1,1-Dichloroethene	**<29.6**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	75-35-4	
cis-1,2-Dichloroethene	**<26.9**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	156-59-2	
trans-1,2-Dichloroethene	**<21.8**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	156-60-5	
1,2-Dichloropropane	**<21.5**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	78-87-5	
1,3-Dichloropropane	**<22.3**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	142-28-9	L1
2,2-Dichloropropane	**<23.3**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	594-20-7	
1,1-Dichloropropene	**<25.6**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	563-58-6	
cis-1,3-Dichloropropene	**<23.8**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	10061-01-5	
trans-1,3-Dichloropropene	**<20.7**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	10061-02-6	
Ethylbenzene	**144J**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	100-41-4	
Hexachloro-1,3-butadiene	**<73.4**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	87-68-3	
2-Hexanone	**<112**	ug/kg	1150	1	01/18/22 08:02	01/18/22 10:35	591-78-6	
Isopropylbenzene (Cumene)	**<40.3**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	98-82-8	
p-Isopropyltoluene	**<43.4**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	99-87-6	
Methylene Chloride	**<270**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	75-09-2	

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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: SB-8-(23-24) **Lab ID: 60390654008** Collected: 01/13/22 10:53 Received: 01/13/22 14:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B							
	Pace Analytical Services - Kansas City							
4-Methyl-2-pentanone (MIBK)	**<106**	ug/kg	577	1	01/18/22 08:02	01/18/22 10:35	108-10-1	
Methyl-tert-butyl ether	**<28.7**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	1634-04-4	
Naphthalene	**387J**	ug/kg	577	1	01/18/22 08:02	01/18/22 10:35	91-20-3	
n-Propylbenzene	**<42.1**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	103-65-1	
Styrene	**<49.0**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	100-42-5	
1,1,1,2-Tetrachloroethane	**<23.3**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	630-20-6	
1,1,2,2-Tetrachloroethane	**<24.5**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	79-34-5	
Tetrachloroethene	**<26.0**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	127-18-4	L1
Toluene	**211J**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	108-88-3	
1,2,3-Trichlorobenzene	**<83.5**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	87-61-6	
1,2,4-Trichlorobenzene	**<64.9**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	120-82-1	
1,1,1-Trichloroethane	**<24.0**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	71-55-6	
1,1,2-Trichloroethane	**<36.1**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	79-00-5	
Trichloroethene	**<25.3**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	79-01-6	
Trichlorofluoromethane	**<30.4**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	75-69-4	
1,2,3-Trichloropropane	**<32.4**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	96-18-4	
1,2,4-Trimethylbenzene	**277J**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	95-63-6	
1,3,5-Trimethylbenzene	**94.1J**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	108-67-8	
Vinyl chloride	**<29.4**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	75-01-4	
Xylene (Total)	**800**	ug/kg	289	1	01/18/22 08:02	01/18/22 10:35	1330-20-7	
Surrogates								
Toluene-d8 (S)	111	%	80-120	1	01/18/22 08:02	01/18/22 10:35	2037-26-5	
4-Bromofluorobenzene (S)	103	%	83-119	1	01/18/22 08:02	01/18/22 10:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	95	%	80-120	1	01/18/22 08:02	01/18/22 10:35	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**20.7**	%	0.50	1		01/14/22 10:55		

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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: FEILD BLANK-2 **Lab ID: 60390654009** Collected: 01/12/22 11:55 Received: 01/13/22 14:50 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		01/17/22 09:52	67-64-1	
Benzene	**<0.14**	ug/L	1.0	1		01/17/22 09:52	71-43-2	
Bromobenzene	**<0.088**	ug/L	1.0	1		01/17/22 09:52	108-86-1	
Bromochloromethane	**<0.20**	ug/L	1.0	1		01/17/22 09:52	74-97-5	
Bromodichloromethane	**<0.16**	ug/L	1.0	1		01/17/22 09:52	75-27-4	
Bromoform	**<0.68**	ug/L	1.0	1		01/17/22 09:52	75-25-2	
Bromomethane	**<0.46**	ug/L	5.0	1		01/17/22 09:52	74-83-9	
2-Butanone (MEK)	**<0.98**	ug/L	10.0	1		01/17/22 09:52	78-93-3	
n-Butylbenzene	**<0.15**	ug/L	1.0	1		01/17/22 09:52	104-51-8	
sec-Butylbenzene	**<0.11**	ug/L	1.0	1		01/17/22 09:52	135-98-8	
tert-Butylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 09:52	98-06-6	
Carbon disulfide	**<0.98**	ug/L	5.0	1		01/17/22 09:52	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	1		01/17/22 09:52	56-23-5	
Chlorobenzene	**<0.089**	ug/L	1.0	1		01/17/22 09:52	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	1		01/17/22 09:52	75-00-3	
Chloroform	**<0.22**	ug/L	1.0	1		01/17/22 09:52	67-66-3	
Chloromethane	**<0.28**	ug/L	1.0	1		01/17/22 09:52	74-87-3	
2-Chlorotoluene	**<0.11**	ug/L	1.0	1		01/17/22 09:52	95-49-8	
4-Chlorotoluene	**<0.15**	ug/L	1.0	1		01/17/22 09:52	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.78**	ug/L	2.5	1		01/17/22 09:52	96-12-8	
Dibromochloromethane	**<0.30**	ug/L	1.0	1		01/17/22 09:52	124-48-1	
1,2-Dibromoethane (EDB)	**<0.20**	ug/L	1.0	1		01/17/22 09:52	106-93-4	
Dibromomethane	**<0.11**	ug/L	1.0	1		01/17/22 09:52	74-95-3	
1,2-Dichlorobenzene	**<0.12**	ug/L	1.0	1		01/17/22 09:52	95-50-1	
1,3-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 09:52	541-73-1	
1,4-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 09:52	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	1.0	1		01/17/22 09:52	75-71-8	
1,1-Dichloroethane	**<0.12**	ug/L	1.0	1		01/17/22 09:52	75-34-3	
1,2-Dichloroethane	**<0.21**	ug/L	1.0	1		01/17/22 09:52	107-06-2	
1,2-Dichloroethene (Total)	**<0.22**	ug/L	1.0	1		01/17/22 09:52	540-59-0	
1,1-Dichloroethene	**<0.22**	ug/L	1.0	1		01/17/22 09:52	75-35-4	
cis-1,2-Dichloroethene	**<0.13**	ug/L	1.0	1		01/17/22 09:52	156-59-2	
trans-1,2-Dichloroethene	**<0.10**	ug/L	1.0	1		01/17/22 09:52	156-60-5	
1,2-Dichloropropane	**<0.14**	ug/L	1.0	1		01/17/22 09:52	78-87-5	
1,3-Dichloropropane	**<0.10**	ug/L	1.0	1		01/17/22 09:52	142-28-9	
2,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/17/22 09:52	594-20-7	
1,1-Dichloropropene	**<0.14**	ug/L	1.0	1		01/17/22 09:52	563-58-6	
cis-1,3-Dichloropropene	**<0.078**	ug/L	1.0	1		01/17/22 09:52	10061-01-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	1.0	1		01/17/22 09:52	10061-02-6	
Ethylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 09:52	100-41-4	
Hexachloro-1,3-butadiene	**<0.42**	ug/L	1.0	1		01/17/22 09:52	87-68-3	
2-Hexanone	**<1.1**	ug/L	10.0	1		01/17/22 09:52	591-78-6	
Isopropylbenzene (Cumene)	**<0.097**	ug/L	1.0	1		01/17/22 09:52	98-82-8	
p-Isopropyltoluene	**<0.13**	ug/L	1.0	1		01/17/22 09:52	99-87-6	
Methylene Chloride	**<0.39**	ug/L	1.0	1		01/17/22 09:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.74**	ug/L	10.0	1		01/17/22 09:52	108-10-1	

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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: FEILD BLANK-2 **Lab ID: 60390654009** Collected: 01/12/22 11:55 Received: 01/13/22 14:50 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	**<0.13**	ug/L	1.0	1		01/17/22 09:52	1634-04-4	
Naphthalene	**<0.82**	ug/L	10.0	1		01/17/22 09:52	91-20-3	
n-Propylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 09:52	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/17/22 09:52	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.084**	ug/L	1.0	1		01/17/22 09:52	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/17/22 09:52	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.0	1		01/17/22 09:52	127-18-4	
Toluene	**<0.25**	ug/L	1.0	1		01/17/22 09:52	108-88-3	
1,2,3-Trichlorobenzene	**<0.93**	ug/L	1.0	1		01/17/22 09:52	87-61-6	
1,2,4-Trichlorobenzene	**<0.73**	ug/L	1.0	1		01/17/22 09:52	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/17/22 09:52	71-55-6	
1,1,2-Trichloroethane	**<0.14**	ug/L	1.0	1		01/17/22 09:52	79-00-5	
Trichloroethene	**<0.21**	ug/L	1.0	1		01/17/22 09:52	79-01-6	
Trichlorofluoromethane	**<0.16**	ug/L	1.0	1		01/17/22 09:52	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	2.5	1		01/17/22 09:52	96-18-4	
1,2,4-Trimethylbenzene	**<0.32**	ug/L	1.0	1		01/17/22 09:52	95-63-6	
1,3,5-Trimethylbenzene	**<0.090**	ug/L	1.0	1		01/17/22 09:52	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	1		01/17/22 09:52	75-01-4	
Xylene (Total)	**<0.28**	ug/L	3.0	1		01/17/22 09:52	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	103	%	80-120	1		01/17/22 09:52	460-00-4	
Toluene-d8 (S)	101	%	80-120	1		01/17/22 09:52	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1		01/17/22 09:52	2199-69-1	
Preservation pH	**1.0**		0.10	1		01/17/22 09:52		

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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: FEILD BLANK-3 **Lab ID: 60390654010** Collected: 01/13/22 09:20 Received: 01/13/22 14:50 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		01/17/22 10:06	67-64-1	
Benzene	**<0.14**	ug/L	1.0	1		01/17/22 10:06	71-43-2	
Bromobenzene	**<0.088**	ug/L	1.0	1		01/17/22 10:06	108-86-1	
Bromochloromethane	**<0.20**	ug/L	1.0	1		01/17/22 10:06	74-97-5	
Bromodichloromethane	**<0.16**	ug/L	1.0	1		01/17/22 10:06	75-27-4	
Bromoform	**<0.68**	ug/L	1.0	1		01/17/22 10:06	75-25-2	
Bromomethane	**<0.46**	ug/L	5.0	1		01/17/22 10:06	74-83-9	
2-Butanone (MEK)	**<0.98**	ug/L	10.0	1		01/17/22 10:06	78-93-3	
n-Butylbenzene	**<0.15**	ug/L	1.0	1		01/17/22 10:06	104-51-8	
sec-Butylbenzene	**<0.11**	ug/L	1.0	1		01/17/22 10:06	135-98-8	
tert-Butylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 10:06	98-06-6	
Carbon disulfide	**<0.98**	ug/L	5.0	1		01/17/22 10:06	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	1		01/17/22 10:06	56-23-5	
Chlorobenzene	**<0.089**	ug/L	1.0	1		01/17/22 10:06	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	1		01/17/22 10:06	75-00-3	
Chloroform	**<0.22**	ug/L	1.0	1		01/17/22 10:06	67-66-3	
Chloromethane	**<0.28**	ug/L	1.0	1		01/17/22 10:06	74-87-3	
2-Chlorotoluene	**<0.11**	ug/L	1.0	1		01/17/22 10:06	95-49-8	
4-Chlorotoluene	**<0.15**	ug/L	1.0	1		01/17/22 10:06	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.78**	ug/L	2.5	1		01/17/22 10:06	96-12-8	
Dibromochloromethane	**<0.30**	ug/L	1.0	1		01/17/22 10:06	124-48-1	
1,2-Dibromoethane (EDB)	**<0.20**	ug/L	1.0	1		01/17/22 10:06	106-93-4	
Dibromomethane	**<0.11**	ug/L	1.0	1		01/17/22 10:06	74-95-3	
1,2-Dichlorobenzene	**<0.12**	ug/L	1.0	1		01/17/22 10:06	95-50-1	
1,3-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 10:06	541-73-1	
1,4-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 10:06	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	1.0	1		01/17/22 10:06	75-71-8	
1,1-Dichloroethane	**<0.12**	ug/L	1.0	1		01/17/22 10:06	75-34-3	
1,2-Dichloroethane	**<0.21**	ug/L	1.0	1		01/17/22 10:06	107-06-2	
1,2-Dichloroethene (Total)	**<0.22**	ug/L	1.0	1		01/17/22 10:06	540-59-0	
1,1-Dichloroethene	**<0.22**	ug/L	1.0	1		01/17/22 10:06	75-35-4	
cis-1,2-Dichloroethene	**<0.13**	ug/L	1.0	1		01/17/22 10:06	156-59-2	
trans-1,2-Dichloroethene	**<0.10**	ug/L	1.0	1		01/17/22 10:06	156-60-5	
1,2-Dichloropropane	**<0.14**	ug/L	1.0	1		01/17/22 10:06	78-87-5	
1,3-Dichloropropane	**<0.10**	ug/L	1.0	1		01/17/22 10:06	142-28-9	
2,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/17/22 10:06	594-20-7	
1,1-Dichloropropene	**<0.14**	ug/L	1.0	1		01/17/22 10:06	563-58-6	
cis-1,3-Dichloropropene	**<0.078**	ug/L	1.0	1		01/17/22 10:06	10061-01-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	1.0	1		01/17/22 10:06	10061-02-6	
Ethylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 10:06	100-41-4	
Hexachloro-1,3-butadiene	**<0.42**	ug/L	1.0	1		01/17/22 10:06	87-68-3	
2-Hexanone	**<1.1**	ug/L	10.0	1		01/17/22 10:06	591-78-6	
Isopropylbenzene (Cumene)	**<0.097**	ug/L	1.0	1		01/17/22 10:06	98-82-8	
p-Isopropyltoluene	**<0.13**	ug/L	1.0	1		01/17/22 10:06	99-87-6	
Methylene Chloride	**<0.39**	ug/L	1.0	1		01/17/22 10:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.74**	ug/L	10.0	1		01/17/22 10:06	108-10-1	

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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: FEILD BLANK-3 **Lab ID: 60390654010** Collected: 01/13/22 09:20 Received: 01/13/22 14:50 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	**<0.13**	ug/L	1.0	1		01/17/22 10:06	1634-04-4	
Naphthalene	**<0.82**	ug/L	10.0	1		01/17/22 10:06	91-20-3	
n-Propylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 10:06	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/17/22 10:06	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.084**	ug/L	1.0	1		01/17/22 10:06	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/17/22 10:06	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.0	1		01/17/22 10:06	127-18-4	
Toluene	**<0.25**	ug/L	1.0	1		01/17/22 10:06	108-88-3	
1,2,3-Trichlorobenzene	**<0.93**	ug/L	1.0	1		01/17/22 10:06	87-61-6	
1,2,4-Trichlorobenzene	**<0.73**	ug/L	1.0	1		01/17/22 10:06	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/17/22 10:06	71-55-6	
1,1,2-Trichloroethane	**<0.14**	ug/L	1.0	1		01/17/22 10:06	79-00-5	
Trichloroethene	**<0.21**	ug/L	1.0	1		01/17/22 10:06	79-01-6	
Trichlorofluoromethane	**<0.16**	ug/L	1.0	1		01/17/22 10:06	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	2.5	1		01/17/22 10:06	96-18-4	
1,2,4-Trimethylbenzene	**<0.32**	ug/L	1.0	1		01/17/22 10:06	95-63-6	
1,3,5-Trimethylbenzene	**<0.090**	ug/L	1.0	1		01/17/22 10:06	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	1		01/17/22 10:06	75-01-4	
Xylene (Total)	**<0.28**	ug/L	3.0	1		01/17/22 10:06	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	100	%	80-120	1		01/17/22 10:06	460-00-4	
Toluene-d8 (S)	97	%	80-120	1		01/17/22 10:06	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1		01/17/22 10:06	2199-69-1	
Preservation pH	**1.0**		0.10	1		01/17/22 10:06		

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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: TRIP BLANK-2 **Lab ID: 60390654011** Collected: 01/13/22 13:45 Received: 01/13/22 14:50 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		01/17/22 10:19	67-64-1	
Benzene	**<0.14**	ug/L	1.0	1		01/17/22 10:19	71-43-2	
Bromobenzene	**<0.088**	ug/L	1.0	1		01/17/22 10:19	108-86-1	
Bromochloromethane	**<0.20**	ug/L	1.0	1		01/17/22 10:19	74-97-5	
Bromodichloromethane	**<0.16**	ug/L	1.0	1		01/17/22 10:19	75-27-4	
Bromoform	**<0.68**	ug/L	1.0	1		01/17/22 10:19	75-25-2	
Bromomethane	**<0.46**	ug/L	5.0	1		01/17/22 10:19	74-83-9	
2-Butanone (MEK)	**<0.98**	ug/L	10.0	1		01/17/22 10:19	78-93-3	
n-Butylbenzene	**<0.15**	ug/L	1.0	1		01/17/22 10:19	104-51-8	
sec-Butylbenzene	**<0.11**	ug/L	1.0	1		01/17/22 10:19	135-98-8	
tert-Butylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 10:19	98-06-6	
Carbon disulfide	**<0.98**	ug/L	5.0	1		01/17/22 10:19	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	1		01/17/22 10:19	56-23-5	
Chlorobenzene	**<0.089**	ug/L	1.0	1		01/17/22 10:19	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	1		01/17/22 10:19	75-00-3	
Chloroform	**<0.22**	ug/L	1.0	1		01/17/22 10:19	67-66-3	
Chloromethane	**<0.28**	ug/L	1.0	1		01/17/22 10:19	74-87-3	
2-Chlorotoluene	**<0.11**	ug/L	1.0	1		01/17/22 10:19	95-49-8	
4-Chlorotoluene	**<0.15**	ug/L	1.0	1		01/17/22 10:19	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.78**	ug/L	2.5	1		01/17/22 10:19	96-12-8	
Dibromochloromethane	**<0.30**	ug/L	1.0	1		01/17/22 10:19	124-48-1	
1,2-Dibromoethane (EDB)	**<0.20**	ug/L	1.0	1		01/17/22 10:19	106-93-4	
Dibromomethane	**<0.11**	ug/L	1.0	1		01/17/22 10:19	74-95-3	
1,2-Dichlorobenzene	**<0.12**	ug/L	1.0	1		01/17/22 10:19	95-50-1	
1,3-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 10:19	541-73-1	
1,4-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 10:19	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	1.0	1		01/17/22 10:19	75-71-8	
1,1-Dichloroethane	**<0.12**	ug/L	1.0	1		01/17/22 10:19	75-34-3	
1,2-Dichloroethane	**<0.21**	ug/L	1.0	1		01/17/22 10:19	107-06-2	
1,2-Dichloroethene (Total)	**<0.22**	ug/L	1.0	1		01/17/22 10:19	540-59-0	
1,1-Dichloroethene	**<0.22**	ug/L	1.0	1		01/17/22 10:19	75-35-4	
cis-1,2-Dichloroethene	**<0.13**	ug/L	1.0	1		01/17/22 10:19	156-59-2	
trans-1,2-Dichloroethene	**<0.10**	ug/L	1.0	1		01/17/22 10:19	156-60-5	
1,2-Dichloropropane	**<0.14**	ug/L	1.0	1		01/17/22 10:19	78-87-5	
1,3-Dichloropropane	**<0.10**	ug/L	1.0	1		01/17/22 10:19	142-28-9	
2,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/17/22 10:19	594-20-7	
1,1-Dichloropropene	**<0.14**	ug/L	1.0	1		01/17/22 10:19	563-58-6	
cis-1,3-Dichloropropene	**<0.078**	ug/L	1.0	1		01/17/22 10:19	10061-01-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	1.0	1		01/17/22 10:19	10061-02-6	
Ethylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 10:19	100-41-4	
Hexachloro-1,3-butadiene	**<0.42**	ug/L	1.0	1		01/17/22 10:19	87-68-3	
2-Hexanone	**<1.1**	ug/L	10.0	1		01/17/22 10:19	591-78-6	
Isopropylbenzene (Cumene)	**<0.097**	ug/L	1.0	1		01/17/22 10:19	98-82-8	
p-Isopropyltoluene	**<0.13**	ug/L	1.0	1		01/17/22 10:19	99-87-6	
Methylene Chloride	**<0.39**	ug/L	1.0	1		01/17/22 10:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.74**	ug/L	10.0	1		01/17/22 10:19	108-10-1	

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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: TRIP BLANK-2 **Lab ID: 60390654011** Collected: 01/13/22 13:45 Received: 01/13/22 14:50 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	**<0.13**	ug/L	1.0	1		01/17/22 10:19	1634-04-4	
Naphthalene	**<0.82**	ug/L	10.0	1		01/17/22 10:19	91-20-3	
n-Propylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 10:19	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/17/22 10:19	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.084**	ug/L	1.0	1		01/17/22 10:19	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/17/22 10:19	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.0	1		01/17/22 10:19	127-18-4	
Toluene	**<0.25**	ug/L	1.0	1		01/17/22 10:19	108-88-3	
1,2,3-Trichlorobenzene	**<0.93**	ug/L	1.0	1		01/17/22 10:19	87-61-6	
1,2,4-Trichlorobenzene	**<0.73**	ug/L	1.0	1		01/17/22 10:19	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/17/22 10:19	71-55-6	
1,1,2-Trichloroethane	**<0.14**	ug/L	1.0	1		01/17/22 10:19	79-00-5	
Trichloroethene	**<0.21**	ug/L	1.0	1		01/17/22 10:19	79-01-6	
Trichlorofluoromethane	**<0.16**	ug/L	1.0	1		01/17/22 10:19	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	2.5	1		01/17/22 10:19	96-18-4	
1,2,4-Trimethylbenzene	**<0.32**	ug/L	1.0	1		01/17/22 10:19	95-63-6	
1,3,5-Trimethylbenzene	**<0.090**	ug/L	1.0	1		01/17/22 10:19	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	1		01/17/22 10:19	75-01-4	
Xylene (Total)	**<0.28**	ug/L	3.0	1		01/17/22 10:19	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%	80-120	1		01/17/22 10:19	460-00-4	
Toluene-d8 (S)	99	%	80-120	1		01/17/22 10:19	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1		01/17/22 10:19	2199-69-1	
Preservation pH	**1.0**		0.10	1		01/17/22 10:19		

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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: SOIL-IDW **Lab ID: 60390654012** Collected: 01/13/22 11:46 Received: 01/13/22 14:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
Acetone	**73.2**	ug/kg	21.6	1	01/18/22 12:04	01/18/22 13:32	67-64-1	
Benzene	**<0.53**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	71-43-2	
Bromobenzene	**<1.0**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	108-86-1	
Bromochloromethane	**<0.65**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	74-97-5	
Bromodichloromethane	**<0.65**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	75-27-4	
Bromoform	**<0.62**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	75-25-2	
Bromomethane	**<3.2**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	74-83-9	
2-Butanone (MEK)	**<3.7**	ug/kg	10.8	1	01/18/22 12:04	01/18/22 13:32	78-93-3	
n-Butylbenzene	**<0.70**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	104-51-8	
sec-Butylbenzene	**<0.79**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	135-98-8	
tert-Butylbenzene	**<0.96**	ug/kg	27.0	1	01/18/22 12:04	01/18/22 13:32	98-06-6	
Carbon disulfide	**<0.70**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	75-15-0	
Carbon tetrachloride	**<0.93**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	56-23-5	
Chlorobenzene	**<0.68**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	108-90-7	
Chloroethane	**<1.6**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	75-00-3	
Chloroform	**<0.53**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	67-66-3	
Chloromethane	**<0.86**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	74-87-3	
2-Chlorotoluene	**<0.79**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	95-49-8	
4-Chlorotoluene	**<0.65**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/kg	10.8	1	01/18/22 12:04	01/18/22 13:32	96-12-8	
Dibromochloromethane	**<0.70**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	124-48-1	
1,2-Dibromoethane (EDB)	**<0.58**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	106-93-4	
Dibromomethane	**<0.65**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	74-95-3	
1,2-Dichlorobenzene	**<0.68**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	95-50-1	
1,3-Dichlorobenzene	**<0.78**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	541-73-1	
1,4-Dichlorobenzene	**<0.88**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	106-46-7	
Dichlorodifluoromethane	**<1.3**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	75-71-8	
1,1-Dichloroethane	**<0.42**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	75-34-3	
1,2-Dichloroethane	**<0.43**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	107-06-2	
1,2-Dichloroethene (Total)	**3.2J**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	540-59-0	
1,1-Dichloroethene	**<0.69**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	75-35-4	
cis-1,2-Dichloroethene	**3.2J**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	156-59-2	
trans-1,2-Dichloroethene	**<0.73**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	156-60-5	
1,2-Dichloropropane	**<1.1**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	78-87-5	
1,3-Dichloropropane	**<0.75**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	142-28-9	
2,2-Dichloropropane	**<0.51**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	594-20-7	
1,1-Dichloropropene	**<0.97**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	563-58-6	
cis-1,3-Dichloropropene	**<0.57**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	10061-01-5	
trans-1,3-Dichloropropene	**<0.49**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	10061-02-6	
Ethylbenzene	**<0.50**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	100-41-4	
Hexachloro-1,3-butadiene	**<0.92**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	87-68-3	
2-Hexanone	**<2.7**	ug/kg	21.6	1	01/18/22 12:04	01/18/22 13:32	591-78-6	
Isopropylbenzene (Cumene)	**<0.62**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	98-82-8	
p-Isopropyltoluene	**<0.74**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	99-87-6	
Methylene Chloride	**<3.0**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	75-09-2	

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ANALYTICAL RESULTS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Sample: SOIL-IDW **Lab ID: 60390654012** Collected: 01/13/22 11:46 Received: 01/13/22 14:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
	Pace Analytical Services - Kansas City							
4-Methyl-2-pentanone (MIBK)	**<3.3**	ug/kg	10.8	1	01/18/22 12:04	01/18/22 13:32	108-10-1	
Methyl-tert-butyl ether	**<0.52**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	1634-04-4	
Naphthalene	**<0.89**	ug/kg	10.8	1	01/18/22 12:04	01/18/22 13:32	91-20-3	
n-Propylbenzene	**<0.87**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	103-65-1	
Styrene	**<0.64**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.1**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.1**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	79-34-5	
Tetrachloroethene	**62.9**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	127-18-4	
Toluene	**32.4**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	108-88-3	
1,2,3-Trichlorobenzene	**<0.86**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	87-61-6	
1,2,4-Trichlorobenzene	**<0.86**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	120-82-1	
1,1,1-Trichloroethane	**<0.81**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	71-55-6	
1,1,2-Trichloroethane	**<0.68**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	79-00-5	
Trichloroethene	**7.3**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	79-01-6	
Trichlorofluoromethane	**<0.66**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	75-69-4	
1,2,3-Trichloropropane	**<2.3**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	96-18-4	
1,2,4-Trimethylbenzene	**<0.72**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	95-63-6	
1,3,5-Trimethylbenzene	**<0.68**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	108-67-8	
Vinyl chloride	**<0.72**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	75-01-4	
Xylene (Total)	**<1.2**	ug/kg	5.4	1	01/18/22 12:04	01/18/22 13:32	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	80-120	1	01/18/22 12:04	01/18/22 13:32	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-120	1	01/18/22 12:04	01/18/22 13:32	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	80-120	1	01/18/22 12:04	01/18/22 13:32	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974							
	Pace Analytical Services - Kansas City							
Percent Moisture	**20.3**	%	0.50	1		01/14/22 10:55		

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QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

QC Batch: 766798
QC Batch Method: EPA 5035A/5030
Analysis Method: EPA 8260B
Analysis Description: 8260 MSV 5035A Volatile Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60390654001, 60390654002, 60390654003, 60390654004, 60390654005

METHOD BLANK: 3064479
Matrix: Solid
Associated Lab Samples: 60390654001, 60390654002, 60390654003, 60390654004, 60390654005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<1.0	5.0	01/17/22 10:29	
1,1,1-Trichloroethane	ug/kg	<0.75	5.0	01/17/22 10:29	
1,1,2,2-Tetrachloroethane	ug/kg	<1.0	5.0	01/17/22 10:29	
1,1,2-Trichloroethane	ug/kg	<0.63	5.0	01/17/22 10:29	
1,1-Dichloroethane	ug/kg	<0.39	5.0	01/17/22 10:29	
1,1-Dichloroethene	ug/kg	<0.64	5.0	01/17/22 10:29	
1,1-Dichloropropene	ug/kg	<0.90	5.0	01/17/22 10:29	
1,2,3-Trichlorobenzene	ug/kg	<0.80	5.0	01/17/22 10:29	
1,2,3-Trichloropropane	ug/kg	<2.1	5.0	01/17/22 10:29	
1,2,4-Trichlorobenzene	ug/kg	<0.80	5.0	01/17/22 10:29	
1,2,4-Trimethylbenzene	ug/kg	<0.67	5.0	01/17/22 10:29	
1,2-Dibromo-3-chloropropane	ug/kg	<1.8	10.0	01/17/22 10:29	
1,2-Dibromoethane (EDB)	ug/kg	<0.54	5.0	01/17/22 10:29	
1,2-Dichlorobenzene	ug/kg	<0.62	5.0	01/17/22 10:29	
1,2-Dichloroethane	ug/kg	<0.40	5.0	01/17/22 10:29	
1,2-Dichloroethene (Total)	ug/kg	<1.1	5.0	01/17/22 10:29	
1,2-Dichloropropane	ug/kg	<0.98	5.0	01/17/22 10:29	
1,3,5-Trimethylbenzene	ug/kg	<0.63	5.0	01/17/22 10:29	
1,3-Dichlorobenzene	ug/kg	<0.72	5.0	01/17/22 10:29	
1,3-Dichloropropane	ug/kg	<0.69	5.0	01/17/22 10:29	
1,4-Dichlorobenzene	ug/kg	<0.81	5.0	01/17/22 10:29	
2,2-Dichloropropane	ug/kg	<0.48	5.0	01/17/22 10:29	
2-Butanone (MEK)	ug/kg	<3.4	10.0	01/17/22 10:29	
2-Chlorotoluene	ug/kg	<0.73	5.0	01/17/22 10:29	
2-Hexanone	ug/kg	<2.5	20.0	01/17/22 10:29	
4-Chlorotoluene	ug/kg	<0.60	5.0	01/17/22 10:29	
4-Methyl-2-pentanone (MIBK)	ug/kg	<3.0	10.0	01/17/22 10:29	
Acetone	ug/kg	<16.2	20.0	01/17/22 10:29	
Benzene	ug/kg	<0.49	5.0	01/17/22 10:29	
Bromobenzene	ug/kg	<0.94	5.0	01/17/22 10:29	
Bromochloromethane	ug/kg	<0.60	5.0	01/17/22 10:29	
Bromodichloromethane	ug/kg	<0.60	5.0	01/17/22 10:29	
Bromoform	ug/kg	<0.58	5.0	01/17/22 10:29	
Bromomethane	ug/kg	<2.9	5.0	01/17/22 10:29	
Carbon disulfide	ug/kg	<0.64	5.0	01/17/22 10:29	
Carbon tetrachloride	ug/kg	<0.86	5.0	01/17/22 10:29	
Chlorobenzene	ug/kg	<0.63	5.0	01/17/22 10:29	
Chloroethane	ug/kg	<1.5	5.0	01/17/22 10:29	
Chloroform	ug/kg	<0.49	5.0	01/17/22 10:29	
Chloromethane	ug/kg	<0.80	5.0	01/17/22 10:29	

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QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

METHOD BLANK: 3064479 Matrix: Solid
Associated Lab Samples: 60390654001, 60390654002, 60390654003, 60390654004, 60390654005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	<0.43	5.0	01/17/22 10:29	
cis-1,3-Dichloropropene	ug/kg	<0.53	5.0	01/17/22 10:29	
Dibromochloromethane	ug/kg	<0.65	5.0	01/17/22 10:29	
Dibromomethane	ug/kg	<0.60	5.0	01/17/22 10:29	
Dichlorodifluoromethane	ug/kg	<1.2	5.0	01/17/22 10:29	
Ethylbenzene	ug/kg	<0.46	5.0	01/17/22 10:29	
Hexachloro-1,3-butadiene	ug/kg	<0.85	5.0	01/17/22 10:29	
Isopropylbenzene (Cumene)	ug/kg	<0.57	5.0	01/17/22 10:29	
Methyl-tert-butyl ether	ug/kg	<0.48	5.0	01/17/22 10:29	
Methylene Chloride	ug/kg	<2.7	5.0	01/17/22 10:29	
n-Butylbenzene	ug/kg	<0.65	5.0	01/17/22 10:29	
n-Propylbenzene	ug/kg	<0.80	5.0	01/17/22 10:29	
Naphthalene	ug/kg	<0.82	10.0	01/17/22 10:29	
p-Isopropyltoluene	ug/kg	<0.69	5.0	01/17/22 10:29	
sec-Butylbenzene	ug/kg	<0.73	5.0	01/17/22 10:29	
Styrene	ug/kg	<0.59	5.0	01/17/22 10:29	
tert-Butylbenzene	ug/kg	<0.88	25.0	01/17/22 10:29	
Tetrachloroethene	ug/kg	<0.41	5.0	01/17/22 10:29	
Toluene	ug/kg	<0.35	5.0	01/17/22 10:29	
trans-1,2-Dichloroethene	ug/kg	<0.68	5.0	01/17/22 10:29	
trans-1,3-Dichloropropene	ug/kg	<0.46	5.0	01/17/22 10:29	
Trichloroethene	ug/kg	<0.72	5.0	01/17/22 10:29	
Trichlorofluoromethane	ug/kg	<0.61	5.0	01/17/22 10:29	
Vinyl chloride	ug/kg	<0.67	5.0	01/17/22 10:29	
Xylene (Total)	ug/kg	<1.1	5.0	01/17/22 10:29	
1,2-Dichlorobenzene-d4 (S)	%	101	80-120	01/17/22 10:29	
4-Bromofluorobenzene (S)	%	91	80-120	01/17/22 10:29	
Toluene-d8 (S)	%	103	80-120	01/17/22 10:29	

LABORATORY CONTROL SAMPLE: 3064480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	99.0	99	80-130	
1,1,1-Trichloroethane	ug/kg	100	104	104	75-130	
1,1,2,2-Tetrachloroethane	ug/kg	100	77.1	77	75-120	
1,1,2-Trichloroethane	ug/kg	100	90.0	90	80-120	
1,1-Dichloroethane	ug/kg	100	89.4	89	75-125	
1,1-Dichloroethene	ug/kg	100	96.4	96	70-130	
1,1-Dichloropropene	ug/kg	100	100	100	60-140	
1,2,3-Trichlorobenzene	ug/kg	100	89.9	90	80-125	
1,2,3-Trichloropropane	ug/kg	100	79.4	79	80-120	L2
1,2,4-Trichlorobenzene	ug/kg	100	93.5	93	80-125	
1,2,4-Trimethylbenzene	ug/kg	100	95.7	96	80-125	
1,2-Dibromo-3-chloropropane	ug/kg	100	80.4	80	75-135	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

LABORATORY CONTROL SAMPLE: 3064480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	100	95.1	95	80-125	
1,2-Dichlorobenzene	ug/kg	100	93.4	93	80-120	
1,2-Dichloroethane	ug/kg	100	86.1	86	80-120	
1,2-Dichloroethene (Total)	ug/kg	200	191	96	80-120	
1,2-Dichloropropane	ug/kg	100	90.1	90	80-120	
1,3,5-Trimethylbenzene	ug/kg	100	95.7	96	80-125	
1,3-Dichlorobenzene	ug/kg	100	93.6	94	80-120	
1,3-Dichloropropane	ug/kg	100	94.1	94	80-120	
1,4-Dichlorobenzene	ug/kg	100	93.0	93	80-120	
2,2-Dichloropropane	ug/kg	100	97.4	97	75-130	
2-Butanone (MEK)	ug/kg	500	503	101	60-135	
2-Chlorotoluene	ug/kg	100	88.8	89	80-120	
2-Hexanone	ug/kg	500	537	107	70-135	
4-Chlorotoluene	ug/kg	100	93.6	94	80-120	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	403	81	75-130	
Acetone	ug/kg	500	485	97	50-150	
Benzene	ug/kg	100	95.2	95	80-120	
Bromobenzene	ug/kg	100	87.3	87	80-120	
Bromochloromethane	ug/kg	100	96.3	96	75-120	
Bromodichloromethane	ug/kg	100	90.8	91	80-125	
Bromoform	ug/kg	100	89.5	89	80-135	
Bromomethane	ug/kg	100	86.5	86	35-135	
Carbon disulfide	ug/kg	100	94.3	94	65-140	
Carbon tetrachloride	ug/kg	100	101	101	75-140	
Chlorobenzene	ug/kg	100	98.5	99	80-120	
Chloroethane	ug/kg	100	89.8	90	50-135	
Chloroform	ug/kg	100	92.6	93	80-120	
Chloromethane	ug/kg	100	71.7	72	15-155	
cis-1,2-Dichloroethene	ug/kg	100	95.5	95	80-120	
cis-1,3-Dichloropropene	ug/kg	100	95.8	96	80-125	
Dibromochloromethane	ug/kg	100	93.7	94	80-130	
Dibromomethane	ug/kg	100	90.4	90	80-120	
Dichlorodifluoromethane	ug/kg	100	77.6	78	10-160	
Ethylbenzene	ug/kg	100	105	105	80-120	
Hexachloro-1,3-butadiene	ug/kg	100	93.8	94	80-135	
Isopropylbenzene (Cumene)	ug/kg	100	104	104	75-135	
Methyl-tert-butyl ether	ug/kg	100	84.3	84	75-130	
Methylene Chloride	ug/kg	100	85.3	85	65-120	
n-Butylbenzene	ug/kg	100	101	101	80-135	
n-Propylbenzene	ug/kg	100	97.4	97	80-125	
Naphthalene	ug/kg	100	79.5	80	80-120	
p-Isopropyltoluene	ug/kg	100	101	101	65-145	
sec-Butylbenzene	ug/kg	100	101	101	80-135	
Styrene	ug/kg	100	102	102	85-125	
tert-Butylbenzene	ug/kg	100	95.9	96	80-125	
Tetrachloroethene	ug/kg	100	106	106	80-130	
Toluene	ug/kg	100	101	101	80-120	

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QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

LABORATORY CONTROL SAMPLE: 3064480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	100	96.0	96	75-125	
trans-1,3-Dichloropropene	ug/kg	100	95.8	96	80-130	
Trichloroethene	ug/kg	100	95.5	96	80-125	
Trichlorofluoromethane	ug/kg	100	97.6	98	65-135	
Vinyl chloride	ug/kg	100	84.6	85	35-145	
Xylene (Total)	ug/kg	300	316	105	80-120	
1,2-Dichlorobenzene-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			90	80-120	
Toluene-d8 (S)	%			103	80-120	

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QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

QC Batch: 767035
QC Batch Method: EPA 5035A/5030
Analysis Method: EPA 8260B
Analysis Description: 8260 MSV 5035A Volatile Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60390654012

METHOD BLANK: 3065081
Matrix: Solid
Associated Lab Samples: 60390654012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<1.0	5.0	01/18/22 12:28	
1,1,1-Trichloroethane	ug/kg	<0.75	5.0	01/18/22 12:28	
1,1,2,2-Tetrachloroethane	ug/kg	<1.0	5.0	01/18/22 12:28	
1,1,2-Trichloroethane	ug/kg	<0.63	5.0	01/18/22 12:28	
1,1-Dichloroethane	ug/kg	<0.39	5.0	01/18/22 12:28	
1,1-Dichloroethene	ug/kg	<0.64	5.0	01/18/22 12:28	
1,1-Dichloropropene	ug/kg	<0.90	5.0	01/18/22 12:28	
1,2,3-Trichlorobenzene	ug/kg	<0.80	5.0	01/18/22 12:28	
1,2,3-Trichloropropane	ug/kg	<2.1	5.0	01/18/22 12:28	
1,2,4-Trichlorobenzene	ug/kg	<0.80	5.0	01/18/22 12:28	
1,2,4-Trimethylbenzene	ug/kg	<0.67	5.0	01/18/22 12:28	
1,2-Dibromo-3-chloropropane	ug/kg	<1.8	10.0	01/18/22 12:28	
1,2-Dibromoethane (EDB)	ug/kg	<0.54	5.0	01/18/22 12:28	
1,2-Dichlorobenzene	ug/kg	<0.62	5.0	01/18/22 12:28	
1,2-Dichloroethane	ug/kg	<0.40	5.0	01/18/22 12:28	
1,2-Dichloroethene (Total)	ug/kg	<1.1	5.0	01/18/22 12:28	
1,2-Dichloropropane	ug/kg	<0.98	5.0	01/18/22 12:28	
1,3,5-Trimethylbenzene	ug/kg	<0.63	5.0	01/18/22 12:28	
1,3-Dichlorobenzene	ug/kg	<0.72	5.0	01/18/22 12:28	
1,3-Dichloropropane	ug/kg	<0.69	5.0	01/18/22 12:28	
1,4-Dichlorobenzene	ug/kg	<0.81	5.0	01/18/22 12:28	
2,2-Dichloropropane	ug/kg	<0.48	5.0	01/18/22 12:28	
2-Butanone (MEK)	ug/kg	<3.4	10.0	01/18/22 12:28	
2-Chlorotoluene	ug/kg	<0.73	5.0	01/18/22 12:28	
2-Hexanone	ug/kg	<2.5	20.0	01/18/22 12:28	
4-Chlorotoluene	ug/kg	<0.60	5.0	01/18/22 12:28	
4-Methyl-2-pentanone (MIBK)	ug/kg	<3.0	10.0	01/18/22 12:28	
Acetone	ug/kg	<16.2	20.0	01/18/22 12:28	
Benzene	ug/kg	<0.49	5.0	01/18/22 12:28	
Bromobenzene	ug/kg	<0.94	5.0	01/18/22 12:28	
Bromochloromethane	ug/kg	<0.60	5.0	01/18/22 12:28	
Bromodichloromethane	ug/kg	<0.60	5.0	01/18/22 12:28	
Bromoform	ug/kg	<0.58	5.0	01/18/22 12:28	
Bromomethane	ug/kg	<2.9	5.0	01/18/22 12:28	
Carbon disulfide	ug/kg	<0.64	5.0	01/18/22 12:28	
Carbon tetrachloride	ug/kg	<0.86	5.0	01/18/22 12:28	
Chlorobenzene	ug/kg	<0.63	5.0	01/18/22 12:28	
Chloroethane	ug/kg	<1.5	5.0	01/18/22 12:28	
Chloroform	ug/kg	<0.49	5.0	01/18/22 12:28	
Chloromethane	ug/kg	<0.80	5.0	01/18/22 12:28	

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QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

METHOD BLANK: 3065081 Matrix: Solid
Associated Lab Samples: 60390654012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	<0.43	5.0	01/18/22 12:28	
cis-1,3-Dichloropropene	ug/kg	<0.53	5.0	01/18/22 12:28	
Dibromochloromethane	ug/kg	<0.65	5.0	01/18/22 12:28	
Dibromomethane	ug/kg	<0.60	5.0	01/18/22 12:28	
Dichlorodifluoromethane	ug/kg	<1.2	5.0	01/18/22 12:28	
Ethylbenzene	ug/kg	<0.46	5.0	01/18/22 12:28	
Hexachloro-1,3-butadiene	ug/kg	<0.85	5.0	01/18/22 12:28	
Isopropylbenzene (Cumene)	ug/kg	<0.57	5.0	01/18/22 12:28	
Methyl-tert-butyl ether	ug/kg	<0.48	5.0	01/18/22 12:28	
Methylene Chloride	ug/kg	<2.7	5.0	01/18/22 12:28	
n-Butylbenzene	ug/kg	<0.65	5.0	01/18/22 12:28	
n-Propylbenzene	ug/kg	<0.80	5.0	01/18/22 12:28	
Naphthalene	ug/kg	<0.82	10.0	01/18/22 12:28	
p-Isopropyltoluene	ug/kg	<0.69	5.0	01/18/22 12:28	
sec-Butylbenzene	ug/kg	<0.73	5.0	01/18/22 12:28	
Styrene	ug/kg	<0.59	5.0	01/18/22 12:28	
tert-Butylbenzene	ug/kg	<0.88	25.0	01/18/22 12:28	
Tetrachloroethene	ug/kg	<0.41	5.0	01/18/22 12:28	
Toluene	ug/kg	<0.35	5.0	01/18/22 12:28	
trans-1,2-Dichloroethene	ug/kg	<0.68	5.0	01/18/22 12:28	
trans-1,3-Dichloropropene	ug/kg	<0.46	5.0	01/18/22 12:28	
Trichloroethene	ug/kg	<0.72	5.0	01/18/22 12:28	
Trichlorofluoromethane	ug/kg	<0.61	5.0	01/18/22 12:28	
Vinyl chloride	ug/kg	<0.67	5.0	01/18/22 12:28	
Xylene (Total)	ug/kg	<1.1	5.0	01/18/22 12:28	
1,2-Dichlorobenzene-d4 (S)	%	101	80-120	01/18/22 12:28	
4-Bromofluorobenzene (S)	%	97	80-120	01/18/22 12:28	
Toluene-d8 (S)	%	103	80-120	01/18/22 12:28	

LABORATORY CONTROL SAMPLE: 3065082

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	98.8	99	80-130	
1,1,1-Trichloroethane	ug/kg	100	95.3	95	75-130	
1,1,2,2-Tetrachloroethane	ug/kg	100	85.9	86	75-120	
1,1,2-Trichloroethane	ug/kg	100	96.0	96	80-120	
1,1-Dichloroethane	ug/kg	100	87.5	87	75-125	
1,1-Dichloroethene	ug/kg	100	91.9	92	70-130	
1,1-Dichloropropene	ug/kg	100	92.3	92	60-140	
1,2,3-Trichlorobenzene	ug/kg	100	91.4	91	80-125	
1,2,3-Trichloropropane	ug/kg	100	87.6	88	80-120	
1,2,4-Trichlorobenzene	ug/kg	100	92.7	93	80-125	
1,2,4-Trimethylbenzene	ug/kg	100	91.8	92	80-125	
1,2-Dibromo-3-chloropropane	ug/kg	100	81.5	82	75-135	

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.

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

LABORATORY CONTROL SAMPLE: 3065082

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	100	105	105	80-125	
1,2-Dichlorobenzene	ug/kg	100	93.1	93	80-120	
1,2-Dichloroethane	ug/kg	100	93.8	94	80-120	
1,2-Dichloroethene (Total)	ug/kg	200	186	93	80-120	
1,2-Dichloropropane	ug/kg	100	93.1	93	80-120	
1,3,5-Trimethylbenzene	ug/kg	100	90.2	90	80-125	
1,3-Dichlorobenzene	ug/kg	100	89.8	90	80-120	
1,3-Dichloropropane	ug/kg	100	98.1	98	80-120	
1,4-Dichlorobenzene	ug/kg	100	91.1	91	80-120	
2,2-Dichloropropane	ug/kg	100	87.4	87	75-130	
2-Butanone (MEK)	ug/kg	500	351	70	60-135	
2-Chlorotoluene	ug/kg	100	84.8	85	80-120	
2-Hexanone	ug/kg	500	387	77	70-135	
4-Chlorotoluene	ug/kg	100	91.1	91	80-120	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	403	81	75-130	
Acetone	ug/kg	500	285	57	50-150	
Benzene	ug/kg	100	98.1	98	80-120	
Bromobenzene	ug/kg	100	90.0	90	80-120	
Bromochloromethane	ug/kg	100	97.8	98	75-120	
Bromodichloromethane	ug/kg	100	90.6	91	80-125	
Bromoform	ug/kg	100	98.9	99	80-135	
Bromomethane	ug/kg	100	89.9	90	35-135	
Carbon disulfide	ug/kg	100	87.6	88	65-140	
Carbon tetrachloride	ug/kg	100	93.0	93	75-140	
Chlorobenzene	ug/kg	100	97.7	98	80-120	
Chloroethane	ug/kg	100	83.9	84	50-135	
Chloroform	ug/kg	100	90.4	90	80-120	
Chloromethane	ug/kg	100	72.9	73	15-155	
cis-1,2-Dichloroethene	ug/kg	100	93.7	94	80-120	
cis-1,3-Dichloropropene	ug/kg	100	89.4	89	80-125	
Dibromochloromethane	ug/kg	100	99.5	99	80-130	
Dibromomethane	ug/kg	100	94.5	94	80-120	
Dichlorodifluoromethane	ug/kg	100	85.2	85	10-160	
Ethylbenzene	ug/kg	100	99.0	99	80-120	
Hexachloro-1,3-butadiene	ug/kg	100	83.3	83	80-135	
Isopropylbenzene (Cumene)	ug/kg	100	103	103	75-135	
Methyl-tert-butyl ether	ug/kg	100	90.2	90	75-130	
Methylene Chloride	ug/kg	100	88.2	88	65-120	
n-Butylbenzene	ug/kg	100	91.6	92	80-135	
n-Propylbenzene	ug/kg	100	92.7	93	80-125	
Naphthalene	ug/kg	100	84.3	84	80-120	
p-Isopropyltoluene	ug/kg	100	93.2	93	65-145	
sec-Butylbenzene	ug/kg	100	94.3	94	80-135	
Styrene	ug/kg	100	103	103	85-125	
tert-Butylbenzene	ug/kg	100	92.0	92	80-125	
Tetrachloroethene	ug/kg	100	102	102	80-130	
Toluene	ug/kg	100	96.1	96	80-120	

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QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

LABORATORY CONTROL SAMPLE: 3065082

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	100	92.6	93	75-125	
trans-1,3-Dichloropropene	ug/kg	100	96.1	96	80-130	
Trichloroethene	ug/kg	100	91.7	92	80-125	
Trichlorofluoromethane	ug/kg	100	90.8	91	65-135	
Vinyl chloride	ug/kg	100	85.1	85	35-145	
Xylene (Total)	ug/kg	300	298	99	80-120	
1,2-Dichlorobenzene-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			89	80-120	
Toluene-d8 (S)	%			104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3065083 3065084

Parameter	Units	60390547001 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/kg	ND	120	120	88.5	67.5	73	56	25-130	27	35	
1,1,1-Trichloroethane	ug/kg	ND	120	120	94.5	85.2	78	71	45-120	10	35	
1,1,2,2-Tetrachloroethane	ug/kg	ND	120	120	81.1	66.3	67	55	10-145	20	35	
1,1,2-Trichloroethane	ug/kg	ND	120	120	83.5	62.3	69	52	25-130	29	35	
1,1-Dichloroethane	ug/kg	ND	120	120	79.4	71.4	66	59	40-120	11	35	
1,1-Dichloroethene	ug/kg	ND	120	120	74.6	64.8	62	54	35-120	14	35	
1,1-Dichloropropene	ug/kg	ND	120	120	66.2	55.5	55	46	40-125	18	35	
1,2,3-Trichlorobenzene	ug/kg	ND	120	120	16.1	9.6	13	8	10-125	50	50	M1
1,2,3-Trichloropropane	ug/kg	ND	120	120	88.7	69.0	74	57	25-135	25	35	
1,2,4-Trichlorobenzene	ug/kg	ND	120	120	17.3	8.8	14	7	10-125	65	50	M1,R1
1,2,4-Trimethylbenzene	ug/kg	ND	120	120	63.3	41.2	53	34	35-120	42	35	M1,R1
1,2-Dibromo-3-chloropropane	ug/kg	ND	120	120	71.5	44.4	59	37	10-145	47	35	R1
1,2-Dibromoethane (EDB)	ug/kg	ND	120	120	61.6	41.3	51	34	30-140	40	35	R1
1,2-Dichlorobenzene	ug/kg	ND	120	120	39.5	23.5	33	20	10-125	51	35	R1
1,2-Dichloroethane	ug/kg	ND	120	120	65.5	53.4	54	44	35-120	20	35	
1,2-Dichloroethene (Total)	ug/kg	ND	241	241	122	94.7	51	39	40-120	25	35	
1,2-Dichloropropane	ug/kg	ND	120	120	77.6	66.0	64	55	35-120	16	35	
1,3,5-Trimethylbenzene	ug/kg	ND	120	120	69.3	48.3	57	40	15-130	36	35	R1
1,3-Dichlorobenzene	ug/kg	ND	120	120	37.1	22.3	31	19	10-125	50	37	R1
1,3-Dichloropropane	ug/kg	ND	120	120	75.2	53.7	62	45	30-120	33	35	
1,4-Dichlorobenzene	ug/kg	ND	120	120	33.9	19.7	28	16	10-125	53	35	R1
2,2-Dichloropropane	ug/kg	ND	120	120	91.1	84.3	76	70	40-120	8	35	
2-Butanone (MEK)	ug/kg	ND	602	601	374	398	62	66	20-145	6	35	
2-Chlorotoluene	ug/kg	ND	120	120	59.5	39.3	49	33	15-125	41	35	R1
2-Hexanone	ug/kg	ND	602	601	385	307	64	51	15-150	23	35	
4-Chlorotoluene	ug/kg	ND	120	120	46.0	28.0	38	23	10-125	49	35	R1
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	602	601	400	387	66	64	30-140	3	35	
Acetone	ug/kg	ND	602	601	379	400	63	67	10-165	5	35	
Benzene	ug/kg	ND	120	120	77.2	64.5	64	53	35-120	18	35	
Bromobenzene	ug/kg	ND	120	120	50.5	31.7	42	26	15-125	46	35	R1

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3065083 3065084

Parameter	Units	60390547001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromochloromethane	ug/kg	ND	120	120	69.8	53.6	58	45	35-120	26	35	
Bromodichloromethane	ug/kg	ND	120	120	69.5	55.3	58	46	30-130	23	35	
Bromoform	ug/kg	ND	120	120	61.2	45.9	51	38	15-135	29	35	
Bromomethane	ug/kg	ND	120	120	67.9	59.2	56	49	10-120	14	35	
Carbon disulfide	ug/kg	ND	120	120	49.5	37.3	41	31	20-120	28	35	
Carbon tetrachloride	ug/kg	ND	120	120	88.4	78.8	73	66	40-125	11	35	
Chlorobenzene	ug/kg	ND	120	120	56.6	37.0	47	31	20-125	42	35	R1
Chloroethane	ug/kg	ND	120	120	76.6	67.4	64	56	25-120	13	35	
Chloroform	ug/kg	ND	120	120	79.8	68.7	66	57	40-125	15	35	
Chloromethane	ug/kg	ND	120	120	52.0	45.0	43	37	10-120	14	35	
cis-1,2-Dichloroethene	ug/kg	ND	120	120	63.6	49.5	53	41	35-120	25	35	
cis-1,3-Dichloropropene	ug/kg	ND	120	120	50.9	35.6	42	30	20-130	35	35	
Dibromochloromethane	ug/kg	ND	120	120	72.7	53.8	60	45	25-135	30	35	
Dibromomethane	ug/kg	ND	120	120	57.7	41.8	48	35	30-125	32	35	
Dichlorodifluoromethane	ug/kg	ND	120	120	49.3	42.3	41	35	10-120	15	35	
Ethylbenzene	ug/kg	ND	120	120	70.6	50.2	58	42	35-120	34	35	
Hexachloro-1,3-butadiene	ug/kg	ND	120	120	44.2	31.8	37	26	10-125	33	45	
Isopropylbenzene (Cumene)	ug/kg	ND	120	120	70.1	52.6	58	44	20-135	29	35	
Methyl-tert-butyl ether	ug/kg	ND	120	120	88.2	83.5	73	69	35-140	5	35	
Methylene Chloride	ug/kg	ND	120	120	69.4	57.5	57	48	10-135	19	35	
n-Butylbenzene	ug/kg	ND	120	120	45.9	29.7	38	25	10-130	43	35	R1
n-Propylbenzene	ug/kg	ND	120	120	66.8	46.0	55	38	20-125	37	35	R1
Naphthalene	ug/kg	ND	120	120	19.3	14.5	16	12	10-160	28	35	
p-Isopropyltoluene	ug/kg	ND	120	120	65.6	45.7	54	38	10-135	36	35	R1
sec-Butylbenzene	ug/kg	ND	120	120	72.3	52.8	60	44	15-135	31	35	
Styrene	ug/kg	ND	120	120	47.3	28.6	39	24	15-130	49	35	R1
tert-Butylbenzene	ug/kg	ND	120	120	88.4	64.6	73	54	15-135	31	35	
Tetrachloroethene	ug/kg	ND	120	120	76.9	59.2	64	49	30-125	26	35	
Toluene	ug/kg	ND	120	120	79.9	56.2	65	46	35-120	35	35	
trans-1,2-Dichloroethene	ug/kg	ND	120	120	58.1	45.2	48	38	40-120	25	35	M1
trans-1,3-Dichloropropene	ug/kg	ND	120	120	44.2	25.4	37	21	20-135	54	35	R1
Trichloroethene	ug/kg	ND	120	120	60.8	46.7	51	39	25-140	26	35	
Trichlorofluoromethane	ug/kg	ND	120	120	83.4	75.2	69	63	35-120	10	35	
Vinyl chloride	ug/kg	ND	120	120	60.0	50.8	50	42	10-120	16	35	
Xylene (Total)	ug/kg	ND	361	360	207	141	57	39	35-120	38	35	RS
1,2-Dichlorobenzene-d4 (S)	%						104	103	80-120			
4-Bromofluorobenzene (S)	%						105	105	80-120			
Toluene-d8 (S)	%						112	105	80-120			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

QC Batch: 766985
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260B
Analysis Description: 8260 MSV 5035A Volatile Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60390654006, 60390654007, 60390654008

METHOD BLANK: 3064915
Matrix: Solid
Associated Lab Samples: 60390654006, 60390654007, 60390654008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<20.2	250	01/18/22 08:26	
1,1,1-Trichloroethane	ug/kg	<20.8	250	01/18/22 08:26	
1,1,2,2-Tetrachloroethane	ug/kg	<21.2	250	01/18/22 08:26	
1,1,2-Trichloroethane	ug/kg	<31.3	250	01/18/22 08:26	
1,1-Dichloroethane	ug/kg	<89.3	250	01/18/22 08:26	
1,1-Dichloroethene	ug/kg	<25.6	250	01/18/22 08:26	
1,1-Dichloropropene	ug/kg	<22.2	250	01/18/22 08:26	
1,2,3-Trichlorobenzene	ug/kg	<72.3	250	01/18/22 08:26	
1,2,3-Trichloropropane	ug/kg	<28.1	250	01/18/22 08:26	
1,2,4-Trichlorobenzene	ug/kg	<56.2	250	01/18/22 08:26	
1,2,4-Trimethylbenzene	ug/kg	<29.5	250	01/18/22 08:26	
1,2-Dibromo-3-chloropropane	ug/kg	<55.9	500	01/18/22 08:26	
1,2-Dibromoethane (EDB)	ug/kg	<18.3	250	01/18/22 08:26	
1,2-Dichlorobenzene	ug/kg	<38.5	250	01/18/22 08:26	
1,2-Dichloroethane	ug/kg	<17.7	250	01/18/22 08:26	
1,2-Dichloroethene (Total)	ug/kg	<42.1	250	01/18/22 08:26	
1,2-Dichloropropane	ug/kg	<18.6	250	01/18/22 08:26	
1,3,5-Trimethylbenzene	ug/kg	<35.7	250	01/18/22 08:26	
1,3-Dichlorobenzene	ug/kg	<37.7	250	01/18/22 08:26	
1,3-Dichloropropane	ug/kg	<19.3	250	01/18/22 08:26	
1,4-Dichlorobenzene	ug/kg	<38.2	250	01/18/22 08:26	
2,2-Dichloropropane	ug/kg	<20.2	250	01/18/22 08:26	
2-Butanone (MEK)	ug/kg	<114	500	01/18/22 08:26	
2-Chlorotoluene	ug/kg	<27.7	250	01/18/22 08:26	
2-Hexanone	ug/kg	<97.2	1000	01/18/22 08:26	
4-Chlorotoluene	ug/kg	<35.3	250	01/18/22 08:26	
4-Methyl-2-pentanone (MIBK)	ug/kg	<91.8	500	01/18/22 08:26	
Acetone	ug/kg	<217	1000	01/18/22 08:26	
Benzene	ug/kg	<21.0	250	01/18/22 08:26	
Bromobenzene	ug/kg	<30.1	250	01/18/22 08:26	
Bromochloromethane	ug/kg	<26.7	250	01/18/22 08:26	
Bromodichloromethane	ug/kg	<18.9	250	01/18/22 08:26	
Bromoform	ug/kg	<15.1	250	01/18/22 08:26	
Bromomethane	ug/kg	<146	250	01/18/22 08:26	
Carbon disulfide	ug/kg	<26.3	250	01/18/22 08:26	
Carbon tetrachloride	ug/kg	<23.6	250	01/18/22 08:26	
Chlorobenzene	ug/kg	<24.8	250	01/18/22 08:26	
Chloroethane	ug/kg	<38.2	250	01/18/22 08:26	
Chloroform	ug/kg	<20.1	250	01/18/22 08:26	
Chloromethane	ug/kg	<61.0	250	01/18/22 08:26	

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QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

METHOD BLANK: 3064915 Matrix: Solid
Associated Lab Samples: 60390654006, 60390654007, 60390654008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	<23.3	250	01/18/22 08:26	
cis-1,3-Dichloropropene	ug/kg	<20.6	250	01/18/22 08:26	
Dibromochloromethane	ug/kg	<21.2	250	01/18/22 08:26	
Dibromomethane	ug/kg	<25.5	250	01/18/22 08:26	
Dichlorodifluoromethane	ug/kg	<39.5	250	01/18/22 08:26	
Ethylbenzene	ug/kg	<26.1	250	01/18/22 08:26	
Hexachloro-1,3-butadiene	ug/kg	<63.6	250	01/18/22 08:26	
Isopropylbenzene (Cumene)	ug/kg	<34.9	250	01/18/22 08:26	
Methyl-tert-butyl ether	ug/kg	<24.9	250	01/18/22 08:26	
Methylene Chloride	ug/kg	<234	250	01/18/22 08:26	
n-Butylbenzene	ug/kg	<45.6	250	01/18/22 08:26	
n-Propylbenzene	ug/kg	<36.5	250	01/18/22 08:26	
Naphthalene	ug/kg	<68.6	500	01/18/22 08:26	
p-Isopropyltoluene	ug/kg	<37.6	250	01/18/22 08:26	
sec-Butylbenzene	ug/kg	<38.0	250	01/18/22 08:26	
Styrene	ug/kg	<42.4	250	01/18/22 08:26	
tert-Butylbenzene	ug/kg	<31.8	1250	01/18/22 08:26	
Tetrachloroethene	ug/kg	<22.5	250	01/18/22 08:26	
Toluene	ug/kg	<23.0	250	01/18/22 08:26	
trans-1,2-Dichloroethene	ug/kg	<18.9	250	01/18/22 08:26	
trans-1,3-Dichloropropene	ug/kg	<17.9	250	01/18/22 08:26	
Trichloroethene	ug/kg	<21.9	250	01/18/22 08:26	
Trichlorofluoromethane	ug/kg	<26.3	250	01/18/22 08:26	
Vinyl chloride	ug/kg	<25.5	250	01/18/22 08:26	
Xylene (Total)	ug/kg	<82.1	250	01/18/22 08:26	
1,2-Dichlorobenzene-d4 (S)	%	100	80-120	01/18/22 08:26	
4-Bromofluorobenzene (S)	%	108	83-119	01/18/22 08:26	
Toluene-d8 (S)	%	105	80-120	01/18/22 08:26	

LABORATORY CONTROL SAMPLE: 3064916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	5000	4940	99	80-119	
1,1,1-Trichloroethane	ug/kg	5000	4910	98	77-121	
1,1,2,2-Tetrachloroethane	ug/kg	5000	3810	76	74-116	
1,1,2-Trichloroethane	ug/kg	5000	5350	107	76-115	
1,1-Dichloroethane	ug/kg	5000	4410	88	77-120	
1,1-Dichloroethene	ug/kg	5000	4890	98	66-129	
1,1-Dichloropropene	ug/kg	5000	4940	99	79-121	
1,2,3-Trichlorobenzene	ug/kg	5000	4870	97	80-120	
1,2,3-Trichloropropane	ug/kg	5000	4180	84	74-118	
1,2,4-Trichlorobenzene	ug/kg	5000	5120	102	75-120	
1,2,4-Trimethylbenzene	ug/kg	5000	4880	98	77-116	
1,2-Dibromo-3-chloropropane	ug/kg	5000	4000	80	74-121	

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QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

LABORATORY CONTROL SAMPLE: 3064916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	5000	5560	111	80-117	
1,2-Dichlorobenzene	ug/kg	5000	4780	96	48-146	
1,2-Dichloroethane	ug/kg	5000	4200	84	74-110	
1,2-Dichloroethene (Total)	ug/kg	10000	9660	97	79-120	
1,2-Dichloropropane	ug/kg	5000	4430	89	79-115	
1,3,5-Trimethylbenzene	ug/kg	5000	4750	95	76-115	
1,3-Dichlorobenzene	ug/kg	5000	4720	94	76-115	
1,3-Dichloropropane	ug/kg	5000	5630	113	75-111	L1
1,4-Dichlorobenzene	ug/kg	5000	4770	95	73-119	
2,2-Dichloropropane	ug/kg	5000	4850	97	76-121	
2-Butanone (MEK)	ug/kg	25000	20100	80	70-116	
2-Chlorotoluene	ug/kg	5000	4510	90	78-117	
2-Hexanone	ug/kg	25000	26400	105	71-117	
4-Chlorotoluene	ug/kg	5000	4770	95	77-115	
4-Methyl-2-pentanone (MIBK)	ug/kg	25000	19000	76	73-116	
Acetone	ug/kg	25000	19800	79	60-125	
Benzene	ug/kg	5000	4670	93	73-117	
Bromobenzene	ug/kg	5000	4700	94	79-115	
Bromochloromethane	ug/kg	5000	4830	97	76-116	
Bromodichloromethane	ug/kg	5000	4590	92	80-120	
Bromoform	ug/kg	5000	4860	97	77-127	
Bromomethane	ug/kg	5000	4730	95	29-165	
Carbon disulfide	ug/kg	5000	4700	94	54-133	
Carbon tetrachloride	ug/kg	5000	4840	97	78-126	
Chlorobenzene	ug/kg	5000	4970	99	63-130	
Chloroethane	ug/kg	5000	4750	95	31-170	
Chloroform	ug/kg	5000	4520	90	80-118	
Chloromethane	ug/kg	5000	3880	78	10-168	
cis-1,2-Dichloroethene	ug/kg	5000	4830	97	80-117	
cis-1,3-Dichloropropene	ug/kg	5000	4650	93	80-120	
Dibromochloromethane	ug/kg	5000	5410	108	78-122	
Dibromomethane	ug/kg	5000	4530	91	78-119	
Dichlorodifluoromethane	ug/kg	5000	4750	95	10-206	
Ethylbenzene	ug/kg	5000	5210	104	73-121	
Hexachloro-1,3-butadiene	ug/kg	5000	5030	101	75-129	
Isopropylbenzene (Cumene)	ug/kg	5000	5160	103	74-115	
Methyl-tert-butyl ether	ug/kg	5000	4210	84	73-129	
Methylene Chloride	ug/kg	5000	4270	85	70-128	
n-Butylbenzene	ug/kg	5000	4970	99	78-123	
n-Propylbenzene	ug/kg	5000	4930	99	77-120	
Naphthalene	ug/kg	5000	4260	85	76-120	
p-Isopropyltoluene	ug/kg	5000	4940	99	78-117	
sec-Butylbenzene	ug/kg	5000	5030	101	83-126	
Styrene	ug/kg	5000	5150	103	80-117	
tert-Butylbenzene	ug/kg	5000	5020	100	79-117	
Tetrachloroethene	ug/kg	5000	6160	123	72-122	L1
Toluene	ug/kg	5000	5170	103	77-119	

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QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

LABORATORY CONTROL SAMPLE: 3064916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	5000	4830	97	75-123	
trans-1,3-Dichloropropene	ug/kg	5000	5680	114	79-124	
Trichloroethene	ug/kg	5000	4910	98	82-128	
Trichlorofluoromethane	ug/kg	5000	4760	95	56-129	
Vinyl chloride	ug/kg	5000	4510	90	36-176	
Xylene (Total)	ug/kg	15000	15800	105	76-119	
1,2-Dichlorobenzene-d4 (S)	%			100	80-120	
4-Bromofluorobenzene (S)	%			91	83-119	
Toluene-d8 (S)	%			104	80-120	

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QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

QC Batch: 767115
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260B
Analysis Description: 8260 MSV 5035A Volatile Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60390654005

METHOD BLANK: 3065373 Matrix: Solid
Associated Lab Samples: 60390654005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/kg	<22.5	250	01/18/22 20:16	
Trichloroethene	ug/kg	<21.9	250	01/18/22 20:16	
1,2-Dichlorobenzene-d4 (S)	%	97	80-120	01/18/22 20:16	
4-Bromofluorobenzene (S)	%	97	83-119	01/18/22 20:16	
Toluene-d8 (S)	%	104	80-120	01/18/22 20:16	

METHOD BLANK: 3065859 Matrix: Solid
Associated Lab Samples: 60390654005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/kg	<22.5	250	01/19/22 12:47	
Trichloroethene	ug/kg	<21.9	250	01/19/22 12:47	
1,2-Dichlorobenzene-d4 (S)	%	100	80-120	01/19/22 12:47	
4-Bromofluorobenzene (S)	%	99	83-119	01/19/22 12:47	
Toluene-d8 (S)	%	107	80-120	01/19/22 12:47	

LABORATORY CONTROL SAMPLE: 3065374

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	5000	5080	102	72-122	
Trichloroethene	ug/kg	5000	4520	90	82-128	
1,2-Dichlorobenzene-d4 (S)	%			97	80-120	
4-Bromofluorobenzene (S)	%			91	83-119	
Toluene-d8 (S)	%			104	80-120	

LABORATORY CONTROL SAMPLE: 3065860

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	5000	5560	111	72-122	
Trichloroethene	ug/kg	5000	4210	84	82-128	
1,2-Dichlorobenzene-d4 (S)	%			100	80-120	
4-Bromofluorobenzene (S)	%			89	83-119	
Toluene-d8 (S)	%			107	80-120	

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QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3065375 3065376

Parameter	Units	60390770001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Tetrachloroethene	ug/kg	ND	5680	5680	5430	5480	95	96	10-131	1	78	
Trichloroethene	ug/kg	ND	5680	5680	4870	4860	86	86	14-144	0	69	
1,2-Dichlorobenzene-d4 (S)	%						101	101	80-120			
4-Bromofluorobenzene (S)	%						95	94	83-119			
Toluene-d8 (S)	%						101	101	80-120			

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QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

QC Batch: 766776
QC Batch Method: EPA 5030B/8260
Analysis Method: EPA 5030B/8260
Analysis Description: 8260 MSV Water 10 mL Purge
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60390654009, 60390654010, 60390654011

METHOD BLANK: 3064429
Matrix: Water
Associated Lab Samples: 60390654009, 60390654010, 60390654011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.084	1.0	01/17/22 09:38	
1,1,1-Trichloroethane	ug/L	<0.11	1.0	01/17/22 09:38	
1,1,2,2-Tetrachloroethane	ug/L	<0.15	1.0	01/17/22 09:38	
1,1,2-Trichloroethane	ug/L	<0.14	1.0	01/17/22 09:38	
1,1-Dichloroethane	ug/L	<0.12	1.0	01/17/22 09:38	
1,1-Dichloroethene	ug/L	<0.22	1.0	01/17/22 09:38	
1,1-Dichloropropene	ug/L	<0.14	1.0	01/17/22 09:38	
1,2,3-Trichlorobenzene	ug/L	<0.93	1.0	01/17/22 09:38	
1,2,3-Trichloropropane	ug/L	<0.41	2.5	01/17/22 09:38	
1,2,4-Trichlorobenzene	ug/L	<0.73	1.0	01/17/22 09:38	
1,2,4-Trimethylbenzene	ug/L	<0.32	1.0	01/17/22 09:38	
1,2-Dibromo-3-chloropropane	ug/L	<0.78	2.5	01/17/22 09:38	
1,2-Dibromoethane (EDB)	ug/L	<0.20	1.0	01/17/22 09:38	
1,2-Dichlorobenzene	ug/L	<0.12	1.0	01/17/22 09:38	
1,2-Dichloroethane	ug/L	<0.21	1.0	01/17/22 09:38	
1,2-Dichloroethene (Total)	ug/L	<0.22	1.0	01/17/22 09:38	
1,2-Dichloropropane	ug/L	<0.14	1.0	01/17/22 09:38	
1,3,5-Trimethylbenzene	ug/L	<0.090	1.0	01/17/22 09:38	
1,3-Dichlorobenzene	ug/L	<0.13	1.0	01/17/22 09:38	
1,3-Dichloropropane	ug/L	<0.10	1.0	01/17/22 09:38	
1,4-Dichlorobenzene	ug/L	<0.13	1.0	01/17/22 09:38	
2,2-Dichloropropane	ug/L	<0.16	1.0	01/17/22 09:38	
2-Butanone (MEK)	ug/L	<0.98	10.0	01/17/22 09:38	
2-Chlorotoluene	ug/L	<0.11	1.0	01/17/22 09:38	
2-Hexanone	ug/L	<1.1	10.0	01/17/22 09:38	
4-Chlorotoluene	ug/L	<0.15	1.0	01/17/22 09:38	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.74	10.0	01/17/22 09:38	
Acetone	ug/L	<2.5	10.0	01/17/22 09:38	
Benzene	ug/L	<0.14	1.0	01/17/22 09:38	
Bromobenzene	ug/L	<0.088	1.0	01/17/22 09:38	
Bromochloromethane	ug/L	<0.20	1.0	01/17/22 09:38	
Bromodichloromethane	ug/L	<0.16	1.0	01/17/22 09:38	
Bromoform	ug/L	<0.68	1.0	01/17/22 09:38	
Bromomethane	ug/L	<0.46	5.0	01/17/22 09:38	
Carbon disulfide	ug/L	<0.98	5.0	01/17/22 09:38	
Carbon tetrachloride	ug/L	<0.17	1.0	01/17/22 09:38	
Chlorobenzene	ug/L	<0.089	1.0	01/17/22 09:38	
Chloroethane	ug/L	<0.37	1.0	01/17/22 09:38	
Chloroform	ug/L	<0.22	1.0	01/17/22 09:38	
Chloromethane	ug/L	<0.28	1.0	01/17/22 09:38	

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QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

METHOD BLANK: 3064429 Matrix: Water
Associated Lab Samples: 60390654009, 60390654010, 60390654011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	<0.13	1.0	01/17/22 09:38	
cis-1,3-Dichloropropene	ug/L	<0.078	1.0	01/17/22 09:38	
Dibromochloromethane	ug/L	<0.30	1.0	01/17/22 09:38	
Dibromomethane	ug/L	<0.11	1.0	01/17/22 09:38	
Dichlorodifluoromethane	ug/L	<0.20	1.0	01/17/22 09:38	
Ethylbenzene	ug/L	<0.12	1.0	01/17/22 09:38	
Hexachloro-1,3-butadiene	ug/L	<0.42	1.0	01/17/22 09:38	
Isopropylbenzene (Cumene)	ug/L	<0.097	1.0	01/17/22 09:38	
Methyl-tert-butyl ether	ug/L	<0.13	1.0	01/17/22 09:38	
Methylene Chloride	ug/L	<0.39	1.0	01/17/22 09:38	
n-Butylbenzene	ug/L	<0.15	1.0	01/17/22 09:38	
n-Propylbenzene	ug/L	<0.12	1.0	01/17/22 09:38	
Naphthalene	ug/L	<0.82	10.0	01/17/22 09:38	
p-Isopropyltoluene	ug/L	<0.13	1.0	01/17/22 09:38	
sec-Butylbenzene	ug/L	<0.11	1.0	01/17/22 09:38	
Styrene	ug/L	<0.12	1.0	01/17/22 09:38	
tert-Butylbenzene	ug/L	<0.12	1.0	01/17/22 09:38	
Tetrachloroethene	ug/L	<0.33	1.0	01/17/22 09:38	
Toluene	ug/L	<0.25	1.0	01/17/22 09:38	
trans-1,2-Dichloroethene	ug/L	<0.10	1.0	01/17/22 09:38	
trans-1,3-Dichloropropene	ug/L	<0.18	1.0	01/17/22 09:38	
Trichloroethene	ug/L	<0.21	1.0	01/17/22 09:38	
Trichlorofluoromethane	ug/L	<0.16	1.0	01/17/22 09:38	
Vinyl chloride	ug/L	<0.17	1.0	01/17/22 09:38	
Xylene (Total)	ug/L	<0.28	3.0	01/17/22 09:38	
1,2-Dichlorobenzene-d4 (S)	%	101	80-120	01/17/22 09:38	
4-Bromofluorobenzene (S)	%	102	80-120	01/17/22 09:38	
Toluene-d8 (S)	%	100	80-120	01/17/22 09:38	

LABORATORY CONTROL SAMPLE: 3064430

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.0	100	80-120	
1,1,1-Trichloroethane	ug/L	20	20.6	103	80-120	
1,1,2,2-Tetrachloroethane	ug/L	20	17.1	85	75-125	
1,1,2-Trichloroethane	ug/L	20	17.2	86	80-120	
1,1-Dichloroethane	ug/L	20	18.4	92	75-125	
1,1-Dichloroethene	ug/L	20	18.5	92	80-120	
1,1-Dichloropropene	ug/L	20	20.5	102	80-125	
1,2,3-Trichlorobenzene	ug/L	20	18.3	92	75-125	
1,2,3-Trichloropropane	ug/L	20	19.0	95	80-125	
1,2,4-Trichlorobenzene	ug/L	20	17.3	86	75-120	
1,2,4-Trimethylbenzene	ug/L	20	20.9	104	80-125	
1,2-Dibromo-3-chloropropane	ug/L	20	15.0	75	70-120	

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QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

LABORATORY CONTROL SAMPLE: 3064430

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	18.1	91	80-120	
1,2-Dichlorobenzene	ug/L	20	18.7	94	80-120	
1,2-Dichloroethane	ug/L	20	18.0	90	75-120	
1,2-Dichloroethene (Total)	ug/L	40	38.4	96	80-120	
1,2-Dichloropropane	ug/L	20	20.2	101	80-125	
1,3,5-Trimethylbenzene	ug/L	20	20.7	104	80-125	
1,3-Dichlorobenzene	ug/L	20	19.8	99	80-120	
1,3-Dichloropropane	ug/L	20	18.5	92	80-120	
1,4-Dichlorobenzene	ug/L	20	18.7	94	80-120	
2,2-Dichloropropane	ug/L	20	19.8	99	60-130	
2-Butanone (MEK)	ug/L	100	102	102	40-150	
2-Chlorotoluene	ug/L	20	21.4	107	80-120	
2-Hexanone	ug/L	100	92.5	93	45-150	
4-Chlorotoluene	ug/L	20	20.3	101	80-120	
4-Methyl-2-pentanone (MIBK)	ug/L	100	78.9	79	65-140	
Acetone	ug/L	100	125	125	20-175	
Benzene	ug/L	20	21.2	106	80-120	
Bromobenzene	ug/L	20	19.8	99	80-120	
Bromochloromethane	ug/L	20	18.6	93	80-125	
Bromodichloromethane	ug/L	20	19.0	95	80-125	
Bromoform	ug/L	20	14.8	74	60-135	
Bromomethane	ug/L	20	13.0	65	10-165	
Carbon disulfide	ug/L	20	19.9	100	75-135	
Carbon tetrachloride	ug/L	20	20.5	103	80-125	
Chlorobenzene	ug/L	20	20.9	105	80-120	
Chloroethane	ug/L	20	17.3	86	70-130	
Chloroform	ug/L	20	18.2	91	80-120	
Chloromethane	ug/L	20	15.2	76	35-155	
cis-1,2-Dichloroethene	ug/L	20	20.0	100	80-120	
cis-1,3-Dichloropropene	ug/L	20	20.1	101	80-125	
Dibromochloromethane	ug/L	20	15.8	79	70-120	
Dibromomethane	ug/L	20	17.1	86	80-120	
Dichlorodifluoromethane	ug/L	20	18.7	94	50-150	
Ethylbenzene	ug/L	20	20.6	103	80-120	
Hexachloro-1,3-butadiene	ug/L	20	20.9	104	65-135	
Isopropylbenzene (Cumene)	ug/L	20	21.7	108	80-125	
Methyl-tert-butyl ether	ug/L	20	15.5	78	65-130	
Methylene Chloride	ug/L	20	17.9	90	75-120	
n-Butylbenzene	ug/L	20	20.6	103	80-125	
n-Propylbenzene	ug/L	20	21.1	106	80-120	
Naphthalene	ug/L	20	17.6	88	70-120	
p-Isopropyltoluene	ug/L	20	21.0	105	80-135	
sec-Butylbenzene	ug/L	20	22.2	111	80-120	
Styrene	ug/L	20	20.4	102	80-120	
tert-Butylbenzene	ug/L	20	21.6	108	80-120	
Tetrachloroethene	ug/L	20	20.5	102	80-120	
Toluene	ug/L	20	19.9	99	80-120	

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QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

LABORATORY CONTROL SAMPLE: 3064430

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/L	20	18.4	92	80-120	
trans-1,3-Dichloropropene	ug/L	20	16.4	82	75-120	
Trichloroethene	ug/L	20	20.1	101	80-120	
Trichlorofluoromethane	ug/L	20	19.1	95	80-130	
Vinyl chloride	ug/L	20	17.2	86	65-130	
Xylene (Total)	ug/L	60	63.5	106	80-120	
1,2-Dichlorobenzene-d4 (S)	%			97	80-120	
4-Bromofluorobenzene (S)	%			100	80-120	
Toluene-d8 (S)	%			100	80-120	

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QUALITY CONTROL DATA

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

QC Batch: 766607
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60390654001, 60390654002, 60390654003, 60390654004, 60390654005, 60390654006, 60390654007, 60390654008, 60390654012

METHOD BLANK: 3063601
Matrix: Solid
Associated Lab Samples: 60390654001, 60390654002, 60390654003, 60390654004, 60390654005, 60390654006, 60390654007, 60390654008, 60390654012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	<0.50	0.50	01/14/22 10:53	

SAMPLE DUPLICATE: 3063602

Parameter	Units	60390547001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.0	17.0	0	20	

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QUALIFIERS

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

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.

BATCH QUALIFIERS

Batch: 766776

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
RS	The RPD value in one of the constituent analytes was outside the control limits.

Pace Analytical Services, LLC
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Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 31ST AND PROSPECT
Pace Project No.: 60390654

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60390654001	**SB-5-(4-5)**	EPA 5035A/5030	766798	EPA 8260B	766825
60390654002	**SB-5-(19-20)**	EPA 5035A/5030	766798	EPA 8260B	766825
60390654003	**SB-6-(19-20)**	EPA 5035A/5030	766798	EPA 8260B	766825
60390654004	**SB-6-(22.5-23.5)**	EPA 5035A/5030	766798	EPA 8260B	766825
60390654005	**SB-7-(13.5-14.5)**	EPA 5035A/5030	766798	EPA 8260B	766825
60390654012	**SOIL-IDW**	EPA 5035A/5030	767035	EPA 8260B	767080
60390654005	**SB-7-(13.5-14.5)**	EPA 5035A/5030B	767115	EPA 8260B	767167
60390654006	**SB-7-(19-20)**	EPA 5035A/5030B	766985	EPA 8260B	766997
60390654006	**SB-7-(19-20)**	EPA 5035A/5030B	766985	EPA 8260B	767253
60390654007	**SB-8-(19-20)**	EPA 5035A/5030B	766985	EPA 8260B	766997
60390654008	**SB-8-(23-24)**	EPA 5035A/5030B	766985	EPA 8260B	766997
60390654009	**FEILD BLANK-2**	EPA 5030B/8260	766776		
60390654010	**FEILD BLANK-3**	EPA 5030B/8260	766776		
60390654011	**TRIP BLANK-2**	EPA 5030B/8260	766776		
60390654001	**SB-5-(4-5)**	ASTM D2974	766607		
60390654002	**SB-5-(19-20)**	ASTM D2974	766607		
60390654003	**SB-6-(19-20)**	ASTM D2974	766607		
60390654004	**SB-6-(22.5-23.5)**	ASTM D2974	766607		
60390654005	**SB-7-(13.5-14.5)**	ASTM D2974	766607		
60390654006	**SB-7-(19-20)**	ASTM D2974	766607		
60390654007	**SB-8-(19-20)**	ASTM D2974	766607		
60390654008	**SB-8-(23-24)**	ASTM D2974	766607		
60390654012	**SOIL-IDW**	ASTM D2974	766607		

WO#: 60390654

60390654

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-LENE-0009_Sample Condition Upon Receipt (SCUR)		
	Revision: 1	Effective Date: 09/21/2021	Issued By: Lenexa

Client Name: PETRA TECH ENT

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

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☑

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

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

Thermometer Used: T299 **Type of Ice:** (Wet) Blue None

Cooler Temperature (°C): **As-read** 1.1 **Corr. Factor** -0.2 **Corrected** 0.9°C

Date and initials of person examining contents: SR 1/14/22

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	
Rush Turn Around Time requested:	☐Yes ☑No ☐N/A	
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☑N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: SL	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☐Yes ☐No ☑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)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☑Yes ☐No ☐N/A	
Headspace in VOA vials (>6mm):	☑Yes ☐No ☐N/A	
Samples from USDA Regulated Area: State: MO	☐Yes ☑No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑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: _____

Qualtrax Document ID: 30468

Pace Analytical
WWW.PACELABS.COM

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:	emily.fisher@tetratech.com
Phone:	(816)412-1755 Fax:
Requested Due Date:	

Section B
Required Project Information:

Report To:	Emily Fisher
Copy To:	Stephanie Cuples
	Stephanie.Cuples@tetratech.com
Purchase Order #:	
Project Name:	31st & Prospect
Project #:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	nolie.wood@pacelabs.com,
Pace Profile #:	

Regulatory Agency	
State / Location	MO

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other ~~DI~~ Sulfite	Analyses Test: VOC by 8260	8260 Mini Bisulfate 5035 kit	Trip BLANK	~~Trip BLANK~~ Field Blank	Residual Chlorine (Y/N)	6039065
1	SB-5-(4-5)	SL		1/12/22	0902				4	1						1	2		X				
2	SB-5-(19-20)				0909																		
3	SB-6-(19-20)				1125																		
4	SB-6-(22.5-23.5)				1130																		
5	SB-7-(13.5-14.5)			1/13/22	0937																		
6	SB-7-(19-20)				0940																		
7	SB-8-(19-20)				1049																		
8	SB-8-(23-24)				1053																		
9	Field Blank-2	WT		1/12/22	1155				3				3					X		X			
10	Field Blank-3	WT		1/13/22	0920				2				3					X		X			
11	Trip Blank-2	WT			1345				2				2					X	X				
12	Soil-IDW	ST			1146				4	1						1	2		X				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Reed Niemack / Tetra Tech	1/12/22	1500							
Not complete	Stephanie Cuples / Tetra Tech			SLOCFPS PACE	1/13/22	1450	0.9	Y	Y	Y

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Stephanie Cuples & Reed Niemack		
SIGNATURE of SAMPLER:		DATE Signed:	1/12/22

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

DC#_Title: ENV-FRM-LENE-0001_Sample Container Count
Revision: 3 | Effective Date: | Issued by: Lenexa

Client: TETRA TECH EMI

Profile #

Site: 31ST & PROSPECT

Notes 2 VG9H LIQUID TRIP BLANKS

COC Line Item	Matrix	VG9H	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	SL						1	2							1																	
2	SL						1	2							1																	
3	SL						1	2							1																	
4	SL						1	2							1																	
5	SL						1	2							1																	
6	SL						1	2							1																	
7	SL						1	2							1																	
8	SL						1	2							1																	
9	WT	3																														
10	WT	3																														
11	WT	2	LIQUID TRIP BLANKS																													
12	SL						1	2							1																	

Container Codes

Glass			
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar
DG9H	40mL HCl amber voa vial	WGFU	4oz clear soil jar
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass
		AG5U	100mL unpres amber glass

Plastic	
BP1C	1L NAOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn Acetate
BP2C	500mL NAOH plastic
BP2N	500mL HNO3 plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Acetate
BP3C	250mL NaOH plastic
BP3F	250mL HNO3 plastic - field filtered
BP3N	250mL HNO3 plastic
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, Zn Acetate
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic
WPDU	16oz unpresserved plstic

Misc.	
I	Wipe/Swab
SP5T	120mL Coliform Na Thiosulfate
ZPLC	Ziploc Bag
AF	Air Filter
C	Air Cassettes
R	Terracore Kit
U	Summa Can

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

Work Order Number: 60390654

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

January 19, 2022

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

RE: Project: 31st & PROSPECT
Pace Project No.: 60390702

Dear Emily Fisher:

Enclosed are the analytical results for sample(s) received by the laboratory on January 14, 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,

Nolie Wood
nolie.wood@pacelabs.com
1(913)563-1401
Project Manager

Enclosures

cc: Stephanie Caples, Tetra Tech EMI

Pace Analytical Services, LLC
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CERTIFICATIONS

Project: 31st & PROSPECT
Pace Project No.: 60390702

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Missouri Inorganic Drinking Water Certification #: 10090
Arkansas Drinking Water
Arkansas Certification #: 20-020-0
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 #: T104704407-19-12
Utah Certification #: KS000212019-9
Illinois Certification #: 004592
Kansas Field Laboratory Accreditation: # E-92587
Missouri SEKS Micro Certification: 10070

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SAMPLE SUMMARY

Project: 31st & PROSPECT
Pace Project No.: 60390702

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60390702001	**RINSATE BLANK**	Water	01/14/22 10:40	01/14/22 13:30
60390702002	**FIELD BLANK - 4**	Water	01/14/22 10:50	01/14/22 13:30
60390702003	**MW-2**	Water	01/14/22 11:15	01/14/22 13:30
60390702004	**MW-1**	Water	01/14/22 12:12	01/14/22 13:30
60390702005	**MW-3**	Water	01/14/22 12:22	01/14/22 13:30
60390702006	**MW-1-FD**	Water	01/14/22 12:12	01/14/22 13:30
60390702007	**GROUND WATER- IDW**	Water	01/14/22 12:38	01/14/22 13:30
60390702008	**TRIP BLANK-3**	Water	01/14/22 12:40	01/14/22 13:30

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SAMPLE ANALYTE COUNT

Project: 31st & PROSPECT
Pace Project No.: 60390702

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60390702001	**RINSATE BLANK**	EPA 5030B/8260	PGH	69	PASI-K
60390702002	**FIELD BLANK - 4**	EPA 5030B/8260	PGH	69	PASI-K
60390702003	**MW-2**	EPA 5030B/8260	PGH	69	PASI-K
60390702004	**MW-1**	EPA 5030B/8260	PGH	69	PASI-K
60390702005	**MW-3**	EPA 5030B/8260	PGH	69	PASI-K
60390702006	**MW-1-FD**	EPA 5030B/8260	PGH	69	PASI-K
60390702007	**GROUND WATER- IDW**	EPA 5030B/8260	PGH	69	PASI-K
60390702008	**TRIP BLANK-3**	EPA 5030B/8260	PGH	69	PASI-K

PASI-K = Pace Analytical Services - Kansas City

Pace Analytical Services, LLC
9608 Loiret Blvd.
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ANALYTICAL RESULTS

Project: 31st & PROSPECT
Pace Project No.: 60390702

Sample: RINSATE BLANK **Lab ID: 60390702001** Collected: 01/14/22 10:40 Received: 01/14/22 13:30 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	**2.6J**	ug/L	10.0	1		01/17/22 10:47	67-64-1	
Benzene	**<0.14**	ug/L	1.0	1		01/17/22 10:47	71-43-2	
Bromobenzene	**<0.088**	ug/L	1.0	1		01/17/22 10:47	108-86-1	
Bromochloromethane	**<0.20**	ug/L	1.0	1		01/17/22 10:47	74-97-5	
Bromodichloromethane	**<0.16**	ug/L	1.0	1		01/17/22 10:47	75-27-4	
Bromoform	**<0.68**	ug/L	1.0	1		01/17/22 10:47	75-25-2	
Bromomethane	**<0.46**	ug/L	5.0	1		01/17/22 10:47	74-83-9	
2-Butanone (MEK)	**<0.98**	ug/L	10.0	1		01/17/22 10:47	78-93-3	
n-Butylbenzene	**<0.15**	ug/L	1.0	1		01/17/22 10:47	104-51-8	
sec-Butylbenzene	**<0.11**	ug/L	1.0	1		01/17/22 10:47	135-98-8	
tert-Butylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 10:47	98-06-6	
Carbon disulfide	**<0.98**	ug/L	5.0	1		01/17/22 10:47	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	1		01/17/22 10:47	56-23-5	
Chlorobenzene	**<0.089**	ug/L	1.0	1		01/17/22 10:47	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	1		01/17/22 10:47	75-00-3	
Chloroform	**<0.22**	ug/L	1.0	1		01/17/22 10:47	67-66-3	
Chloromethane	**<0.28**	ug/L	1.0	1		01/17/22 10:47	74-87-3	
2-Chlorotoluene	**<0.11**	ug/L	1.0	1		01/17/22 10:47	95-49-8	
4-Chlorotoluene	**<0.15**	ug/L	1.0	1		01/17/22 10:47	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.78**	ug/L	2.5	1		01/17/22 10:47	96-12-8	
Dibromochloromethane	**<0.30**	ug/L	1.0	1		01/17/22 10:47	124-48-1	
1,2-Dibromoethane (EDB)	**<0.20**	ug/L	1.0	1		01/17/22 10:47	106-93-4	
Dibromomethane	**<0.11**	ug/L	1.0	1		01/17/22 10:47	74-95-3	
1,2-Dichlorobenzene	**<0.12**	ug/L	1.0	1		01/17/22 10:47	95-50-1	
1,3-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 10:47	541-73-1	
1,4-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 10:47	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	1.0	1		01/17/22 10:47	75-71-8	
1,1-Dichloroethane	**<0.12**	ug/L	1.0	1		01/17/22 10:47	75-34-3	
1,2-Dichloroethane	**<0.21**	ug/L	1.0	1		01/17/22 10:47	107-06-2	
1,2-Dichloroethene (Total)	**<0.22**	ug/L	1.0	1		01/17/22 10:47	540-59-0	
1,1-Dichloroethene	**<0.22**	ug/L	1.0	1		01/17/22 10:47	75-35-4	
cis-1,2-Dichloroethene	**<0.13**	ug/L	1.0	1		01/17/22 10:47	156-59-2	
trans-1,2-Dichloroethene	**<0.10**	ug/L	1.0	1		01/17/22 10:47	156-60-5	
1,2-Dichloropropane	**<0.14**	ug/L	1.0	1		01/17/22 10:47	78-87-5	
1,3-Dichloropropane	**<0.10**	ug/L	1.0	1		01/17/22 10:47	142-28-9	
2,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/17/22 10:47	594-20-7	
1,1-Dichloropropene	**<0.14**	ug/L	1.0	1		01/17/22 10:47	563-58-6	
cis-1,3-Dichloropropene	**<0.078**	ug/L	1.0	1		01/17/22 10:47	10061-01-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	1.0	1		01/17/22 10:47	10061-02-6	
Ethylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 10:47	100-41-4	
Hexachloro-1,3-butadiene	**<0.42**	ug/L	1.0	1		01/17/22 10:47	87-68-3	
2-Hexanone	**<1.1**	ug/L	10.0	1		01/17/22 10:47	591-78-6	
Isopropylbenzene (Cumene)	**<0.097**	ug/L	1.0	1		01/17/22 10:47	98-82-8	
p-Isopropyltoluene	**<0.13**	ug/L	1.0	1		01/17/22 10:47	99-87-6	
Methylene Chloride	**<0.39**	ug/L	1.0	1		01/17/22 10:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.74**	ug/L	10.0	1		01/17/22 10:47	108-10-1	

Pace Analytical Services, LLC
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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: 31st & PROSPECT
Pace Project No.: 60390702

Sample: RINSATE BLANK **Lab ID: 60390702001** Collected: 01/14/22 10:40 Received: 01/14/22 13:30 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	**<0.13**	ug/L	1.0	1		01/17/22 10:47	1634-04-4	
Naphthalene	**<0.82**	ug/L	10.0	1		01/17/22 10:47	91-20-3	
n-Propylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 10:47	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/17/22 10:47	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.084**	ug/L	1.0	1		01/17/22 10:47	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/17/22 10:47	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.0	1		01/17/22 10:47	127-18-4	
Toluene	**<0.25**	ug/L	1.0	1		01/17/22 10:47	108-88-3	
1,2,3-Trichlorobenzene	**<0.93**	ug/L	1.0	1		01/17/22 10:47	87-61-6	
1,2,4-Trichlorobenzene	**<0.73**	ug/L	1.0	1		01/17/22 10:47	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/17/22 10:47	71-55-6	
1,1,2-Trichloroethane	**<0.14**	ug/L	1.0	1		01/17/22 10:47	79-00-5	
Trichloroethene	**<0.21**	ug/L	1.0	1		01/17/22 10:47	79-01-6	
Trichlorofluoromethane	**<0.16**	ug/L	1.0	1		01/17/22 10:47	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	2.5	1		01/17/22 10:47	96-18-4	
1,2,4-Trimethylbenzene	**<0.32**	ug/L	1.0	1		01/17/22 10:47	95-63-6	
1,3,5-Trimethylbenzene	**<0.090**	ug/L	1.0	1		01/17/22 10:47	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	1		01/17/22 10:47	75-01-4	
Xylene (Total)	**<0.28**	ug/L	3.0	1		01/17/22 10:47	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	104	%	80-120	1		01/17/22 10:47	460-00-4	
Toluene-d8 (S)	99	%	80-120	1		01/17/22 10:47	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1		01/17/22 10:47	2199-69-1	
Preservation pH	**1.0**		0.10	1		01/17/22 10:47		

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ANALYTICAL RESULTS

Project: 31st & PROSPECT
Pace Project No.: 60390702

Sample: FIELD BLANK - 4 **Lab ID: 60390702002** Collected: 01/14/22 10:50 Received: 01/14/22 13:30 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		01/17/22 11:01	67-64-1	
Benzene	**<0.14**	ug/L	1.0	1		01/17/22 11:01	71-43-2	
Bromobenzene	**<0.088**	ug/L	1.0	1		01/17/22 11:01	108-86-1	
Bromochloromethane	**<0.20**	ug/L	1.0	1		01/17/22 11:01	74-97-5	
Bromodichloromethane	**<0.16**	ug/L	1.0	1		01/17/22 11:01	75-27-4	
Bromoform	**<0.68**	ug/L	1.0	1		01/17/22 11:01	75-25-2	
Bromomethane	**<0.46**	ug/L	5.0	1		01/17/22 11:01	74-83-9	
2-Butanone (MEK)	**1.3J**	ug/L	10.0	1		01/17/22 11:01	78-93-3	
n-Butylbenzene	**<0.15**	ug/L	1.0	1		01/17/22 11:01	104-51-8	
sec-Butylbenzene	**<0.11**	ug/L	1.0	1		01/17/22 11:01	135-98-8	
tert-Butylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 11:01	98-06-6	
Carbon disulfide	**<0.98**	ug/L	5.0	1		01/17/22 11:01	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	1		01/17/22 11:01	56-23-5	
Chlorobenzene	**<0.089**	ug/L	1.0	1		01/17/22 11:01	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	1		01/17/22 11:01	75-00-3	
Chloroform	**<0.22**	ug/L	1.0	1		01/17/22 11:01	67-66-3	
Chloromethane	**<0.28**	ug/L	1.0	1		01/17/22 11:01	74-87-3	
2-Chlorotoluene	**<0.11**	ug/L	1.0	1		01/17/22 11:01	95-49-8	
4-Chlorotoluene	**<0.15**	ug/L	1.0	1		01/17/22 11:01	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.78**	ug/L	2.5	1		01/17/22 11:01	96-12-8	
Dibromochloromethane	**<0.30**	ug/L	1.0	1		01/17/22 11:01	124-48-1	
1,2-Dibromoethane (EDB)	**<0.20**	ug/L	1.0	1		01/17/22 11:01	106-93-4	
Dibromomethane	**<0.11**	ug/L	1.0	1		01/17/22 11:01	74-95-3	
1,2-Dichlorobenzene	**<0.12**	ug/L	1.0	1		01/17/22 11:01	95-50-1	
1,3-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 11:01	541-73-1	
1,4-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 11:01	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	1.0	1		01/17/22 11:01	75-71-8	
1,1-Dichloroethane	**<0.12**	ug/L	1.0	1		01/17/22 11:01	75-34-3	
1,2-Dichloroethane	**<0.21**	ug/L	1.0	1		01/17/22 11:01	107-06-2	
1,2-Dichloroethene (Total)	**<0.22**	ug/L	1.0	1		01/17/22 11:01	540-59-0	
1,1-Dichloroethene	**<0.22**	ug/L	1.0	1		01/17/22 11:01	75-35-4	
cis-1,2-Dichloroethene	**<0.13**	ug/L	1.0	1		01/17/22 11:01	156-59-2	
trans-1,2-Dichloroethene	**<0.10**	ug/L	1.0	1		01/17/22 11:01	156-60-5	
1,2-Dichloropropane	**<0.14**	ug/L	1.0	1		01/17/22 11:01	78-87-5	
1,3-Dichloropropane	**<0.10**	ug/L	1.0	1		01/17/22 11:01	142-28-9	
2,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/17/22 11:01	594-20-7	
1,1-Dichloropropene	**<0.14**	ug/L	1.0	1		01/17/22 11:01	563-58-6	
cis-1,3-Dichloropropene	**<0.078**	ug/L	1.0	1		01/17/22 11:01	10061-01-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	1.0	1		01/17/22 11:01	10061-02-6	
Ethylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 11:01	100-41-4	
Hexachloro-1,3-butadiene	**<0.42**	ug/L	1.0	1		01/17/22 11:01	87-68-3	
2-Hexanone	**<1.1**	ug/L	10.0	1		01/17/22 11:01	591-78-6	
Isopropylbenzene (Cumene)	**<0.097**	ug/L	1.0	1		01/17/22 11:01	98-82-8	
p-Isopropyltoluene	**<0.13**	ug/L	1.0	1		01/17/22 11:01	99-87-6	
Methylene Chloride	**<0.39**	ug/L	1.0	1		01/17/22 11:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.74**	ug/L	10.0	1		01/17/22 11:01	108-10-1	

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ANALYTICAL RESULTS

Project: 31st & PROSPECT
Pace Project No.: 60390702

Sample: FIELD BLANK - 4 **Lab ID: 60390702002** Collected: 01/14/22 10:50 Received: 01/14/22 13:30 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	**<0.13**	ug/L	1.0	1		01/17/22 11:01	1634-04-4	
Naphthalene	**<0.82**	ug/L	10.0	1		01/17/22 11:01	91-20-3	
n-Propylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 11:01	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/17/22 11:01	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.084**	ug/L	1.0	1		01/17/22 11:01	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/17/22 11:01	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.0	1		01/17/22 11:01	127-18-4	
Toluene	**<0.25**	ug/L	1.0	1		01/17/22 11:01	108-88-3	
1,2,3-Trichlorobenzene	**<0.93**	ug/L	1.0	1		01/17/22 11:01	87-61-6	
1,2,4-Trichlorobenzene	**<0.73**	ug/L	1.0	1		01/17/22 11:01	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/17/22 11:01	71-55-6	
1,1,2-Trichloroethane	**<0.14**	ug/L	1.0	1		01/17/22 11:01	79-00-5	
Trichloroethene	**<0.21**	ug/L	1.0	1		01/17/22 11:01	79-01-6	
Trichlorofluoromethane	**<0.16**	ug/L	1.0	1		01/17/22 11:01	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	2.5	1		01/17/22 11:01	96-18-4	
1,2,4-Trimethylbenzene	**<0.32**	ug/L	1.0	1		01/17/22 11:01	95-63-6	
1,3,5-Trimethylbenzene	**<0.090**	ug/L	1.0	1		01/17/22 11:01	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	1		01/17/22 11:01	75-01-4	
Xylene (Total)	**<0.28**	ug/L	3.0	1		01/17/22 11:01	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	103	%	80-120	1		01/17/22 11:01	460-00-4	
Toluene-d8 (S)	101	%	80-120	1		01/17/22 11:01	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	102	%	80-120	1		01/17/22 11:01	2199-69-1	
Preservation pH	**1.0**		0.10	1		01/17/22 11:01		

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ANALYTICAL RESULTS

Project: 31st & PROSPECT
Pace Project No.: 60390702

Sample: MW-2 **Lab ID: 60390702003** Collected: 01/14/22 11:15 Received: 01/14/22 13:30 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	**7.3J**	ug/L	10.0	1		01/17/22 11:15	67-64-1	
Benzene	**0.38J**	ug/L	1.0	1		01/17/22 11:15	71-43-2	
Bromobenzene	**<0.088**	ug/L	1.0	1		01/17/22 11:15	108-86-1	
Bromochloromethane	**<0.20**	ug/L	1.0	1		01/17/22 11:15	74-97-5	
Bromodichloromethane	**<0.16**	ug/L	1.0	1		01/17/22 11:15	75-27-4	
Bromoform	**<0.68**	ug/L	1.0	1		01/17/22 11:15	75-25-2	
Bromomethane	**<0.46**	ug/L	5.0	1		01/17/22 11:15	74-83-9	
2-Butanone (MEK)	**1.4J**	ug/L	10.0	1		01/17/22 11:15	78-93-3	
n-Butylbenzene	**<0.15**	ug/L	1.0	1		01/17/22 11:15	104-51-8	
sec-Butylbenzene	**<0.11**	ug/L	1.0	1		01/17/22 11:15	135-98-8	
tert-Butylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 11:15	98-06-6	
Carbon disulfide	**<0.98**	ug/L	5.0	1		01/17/22 11:15	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	1		01/17/22 11:15	56-23-5	
Chlorobenzene	**<0.089**	ug/L	1.0	1		01/17/22 11:15	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	1		01/17/22 11:15	75-00-3	
Chloroform	**0.36J**	ug/L	1.0	1		01/17/22 11:15	67-66-3	
Chloromethane	**<0.28**	ug/L	1.0	1		01/17/22 11:15	74-87-3	
2-Chlorotoluene	**<0.11**	ug/L	1.0	1		01/17/22 11:15	95-49-8	
4-Chlorotoluene	**<0.15**	ug/L	1.0	1		01/17/22 11:15	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.78**	ug/L	2.5	1		01/17/22 11:15	96-12-8	
Dibromochloromethane	**<0.30**	ug/L	1.0	1		01/17/22 11:15	124-48-1	
1,2-Dibromoethane (EDB)	**<0.20**	ug/L	1.0	1		01/17/22 11:15	106-93-4	
Dibromomethane	**<0.11**	ug/L	1.0	1		01/17/22 11:15	74-95-3	
1,2-Dichlorobenzene	**<0.12**	ug/L	1.0	1		01/17/22 11:15	95-50-1	
1,3-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 11:15	541-73-1	
1,4-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 11:15	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	1.0	1		01/17/22 11:15	75-71-8	
1,1-Dichloroethane	**<0.12**	ug/L	1.0	1		01/17/22 11:15	75-34-3	
1,2-Dichloroethane	**<0.21**	ug/L	1.0	1		01/17/22 11:15	107-06-2	
1,2-Dichloroethene (Total)	**20.6**	ug/L	1.0	1		01/17/22 11:15	540-59-0	
1,1-Dichloroethene	**0.37J**	ug/L	1.0	1		01/17/22 11:15	75-35-4	
cis-1,2-Dichloroethene	**19.8**	ug/L	1.0	1		01/17/22 11:15	156-59-2	
trans-1,2-Dichloroethene	**0.83J**	ug/L	1.0	1		01/17/22 11:15	156-60-5	
1,2-Dichloropropane	**0.55J**	ug/L	1.0	1		01/17/22 11:15	78-87-5	
1,3-Dichloropropane	**<0.10**	ug/L	1.0	1		01/17/22 11:15	142-28-9	
2,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/17/22 11:15	594-20-7	
1,1-Dichloropropene	**<0.14**	ug/L	1.0	1		01/17/22 11:15	563-58-6	
cis-1,3-Dichloropropene	**<0.078**	ug/L	1.0	1		01/17/22 11:15	10061-01-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	1.0	1		01/17/22 11:15	10061-02-6	
Ethylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 11:15	100-41-4	
Hexachloro-1,3-butadiene	**<0.42**	ug/L	1.0	1		01/17/22 11:15	87-68-3	
2-Hexanone	**<1.1**	ug/L	10.0	1		01/17/22 11:15	591-78-6	
Isopropylbenzene (Cumene)	**<0.097**	ug/L	1.0	1		01/17/22 11:15	98-82-8	
p-Isopropyltoluene	**<0.13**	ug/L	1.0	1		01/17/22 11:15	99-87-6	
Methylene Chloride	**<0.39**	ug/L	1.0	1		01/17/22 11:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.74**	ug/L	10.0	1		01/17/22 11:15	108-10-1	

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ANALYTICAL RESULTS

Project: 31st & PROSPECT
Pace Project No.: 60390702

Sample: MW-2 **Lab ID: 60390702003** Collected: 01/14/22 11:15 Received: 01/14/22 13:30 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	**<0.13**	ug/L	1.0	1		01/17/22 11:15	1634-04-4	
Naphthalene	**<0.82**	ug/L	10.0	1		01/17/22 11:15	91-20-3	
n-Propylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 11:15	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/17/22 11:15	100-42-5	
1,1,1,2-Tetrachloroethane	**0.10J**	ug/L	1.0	1		01/17/22 11:15	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/17/22 11:15	79-34-5	
Tetrachloroethene	**3290**	ug/L	50.0	50		01/19/22 00:36	127-18-4	
Toluene	**1.2**	ug/L	1.0	1		01/17/22 11:15	108-88-3	
1,2,3-Trichlorobenzene	**<0.93**	ug/L	1.0	1		01/17/22 11:15	87-61-6	
1,2,4-Trichlorobenzene	**<0.73**	ug/L	1.0	1		01/17/22 11:15	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/17/22 11:15	71-55-6	
1,1,2-Trichloroethane	**0.50J**	ug/L	1.0	1		01/17/22 11:15	79-00-5	
Trichloroethene	**106**	ug/L	1.0	1		01/17/22 11:15	79-01-6	
Trichlorofluoromethane	**<0.16**	ug/L	1.0	1		01/17/22 11:15	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	2.5	1		01/17/22 11:15	96-18-4	
1,2,4-Trimethylbenzene	**<0.32**	ug/L	1.0	1		01/17/22 11:15	95-63-6	
1,3,5-Trimethylbenzene	**<0.090**	ug/L	1.0	1		01/17/22 11:15	108-67-8	
Vinyl chloride	**0.41J**	ug/L	1.0	1		01/17/22 11:15	75-01-4	
Xylene (Total)	**0.38J**	ug/L	3.0	1		01/17/22 11:15	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	104	%	80-120	1		01/17/22 11:15	460-00-4	
Toluene-d8 (S)	98	%	80-120	1		01/17/22 11:15	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1		01/17/22 11:15	2199-69-1	
Preservation pH	**1.0**		0.10	1		01/17/22 11:15		

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ANALYTICAL RESULTS

Project: 31st & PROSPECT
Pace Project No.: 60390702

Sample: MW-1 **Lab ID: 60390702004** Collected: 01/14/22 12:12 Received: 01/14/22 13:30 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		01/17/22 11:29	67-64-1	
Benzene	**<0.14**	ug/L	1.0	1		01/17/22 11:29	71-43-2	
Bromobenzene	**<0.088**	ug/L	1.0	1		01/17/22 11:29	108-86-1	
Bromochloromethane	**<0.20**	ug/L	1.0	1		01/17/22 11:29	74-97-5	
Bromodichloromethane	**<0.16**	ug/L	1.0	1		01/17/22 11:29	75-27-4	
Bromoform	**<0.68**	ug/L	1.0	1		01/17/22 11:29	75-25-2	
Bromomethane	**<0.46**	ug/L	5.0	1		01/17/22 11:29	74-83-9	
2-Butanone (MEK)	**0.98J**	ug/L	10.0	1		01/17/22 11:29	78-93-3	
n-Butylbenzene	**<0.15**	ug/L	1.0	1		01/17/22 11:29	104-51-8	
sec-Butylbenzene	**<0.11**	ug/L	1.0	1		01/17/22 11:29	135-98-8	
tert-Butylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 11:29	98-06-6	
Carbon disulfide	**<0.98**	ug/L	5.0	1		01/17/22 11:29	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	1		01/17/22 11:29	56-23-5	
Chlorobenzene	**<0.089**	ug/L	1.0	1		01/17/22 11:29	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	1		01/17/22 11:29	75-00-3	
Chloroform	**<0.22**	ug/L	1.0	1		01/17/22 11:29	67-66-3	
Chloromethane	**<0.28**	ug/L	1.0	1		01/17/22 11:29	74-87-3	
2-Chlorotoluene	**<0.11**	ug/L	1.0	1		01/17/22 11:29	95-49-8	
4-Chlorotoluene	**<0.15**	ug/L	1.0	1		01/17/22 11:29	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.78**	ug/L	2.5	1		01/17/22 11:29	96-12-8	
Dibromochloromethane	**<0.30**	ug/L	1.0	1		01/17/22 11:29	124-48-1	
1,2-Dibromoethane (EDB)	**<0.20**	ug/L	1.0	1		01/17/22 11:29	106-93-4	
Dibromomethane	**<0.11**	ug/L	1.0	1		01/17/22 11:29	74-95-3	
1,2-Dichlorobenzene	**<0.12**	ug/L	1.0	1		01/17/22 11:29	95-50-1	
1,3-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 11:29	541-73-1	
1,4-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 11:29	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	1.0	1		01/17/22 11:29	75-71-8	
1,1-Dichloroethane	**<0.12**	ug/L	1.0	1		01/17/22 11:29	75-34-3	
1,2-Dichloroethane	**<0.21**	ug/L	1.0	1		01/17/22 11:29	107-06-2	
1,2-Dichloroethene (Total)	**4.8**	ug/L	1.0	1		01/17/22 11:29	540-59-0	
1,1-Dichloroethene	**<0.22**	ug/L	1.0	1		01/17/22 11:29	75-35-4	
cis-1,2-Dichloroethene	**4.5**	ug/L	1.0	1		01/17/22 11:29	156-59-2	
trans-1,2-Dichloroethene	**0.28J**	ug/L	1.0	1		01/17/22 11:29	156-60-5	
1,2-Dichloropropane	**<0.14**	ug/L	1.0	1		01/17/22 11:29	78-87-5	
1,3-Dichloropropane	**<0.10**	ug/L	1.0	1		01/17/22 11:29	142-28-9	
2,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/17/22 11:29	594-20-7	
1,1-Dichloropropene	**<0.14**	ug/L	1.0	1		01/17/22 11:29	563-58-6	
cis-1,3-Dichloropropene	**<0.078**	ug/L	1.0	1		01/17/22 11:29	10061-01-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	1.0	1		01/17/22 11:29	10061-02-6	
Ethylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 11:29	100-41-4	
Hexachloro-1,3-butadiene	**<0.42**	ug/L	1.0	1		01/17/22 11:29	87-68-3	
2-Hexanone	**<1.1**	ug/L	10.0	1		01/17/22 11:29	591-78-6	
Isopropylbenzene (Cumene)	**<0.097**	ug/L	1.0	1		01/17/22 11:29	98-82-8	
p-Isopropyltoluene	**<0.13**	ug/L	1.0	1		01/17/22 11:29	99-87-6	
Methylene Chloride	**<0.39**	ug/L	1.0	1		01/17/22 11:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.74**	ug/L	10.0	1		01/17/22 11:29	108-10-1	

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ANALYTICAL RESULTS

Project: 31st & PROSPECT
Pace Project No.: 60390702

Sample: MW-1 **Lab ID: 60390702004** Collected: 01/14/22 12:12 Received: 01/14/22 13:30 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	**<0.13**	ug/L	1.0	1		01/17/22 11:29	1634-04-4	
Naphthalene	**<0.82**	ug/L	10.0	1		01/17/22 11:29	91-20-3	
n-Propylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 11:29	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/17/22 11:29	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.084**	ug/L	1.0	1		01/17/22 11:29	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/17/22 11:29	79-34-5	
Tetrachloroethene	**143**	ug/L	5.0	5		01/19/22 00:50	127-18-4	
Toluene	**<0.25**	ug/L	1.0	1		01/17/22 11:29	108-88-3	
1,2,3-Trichlorobenzene	**<0.93**	ug/L	1.0	1		01/17/22 11:29	87-61-6	
1,2,4-Trichlorobenzene	**<0.73**	ug/L	1.0	1		01/17/22 11:29	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/17/22 11:29	71-55-6	
1,1,2-Trichloroethane	**<0.14**	ug/L	1.0	1		01/17/22 11:29	79-00-5	
Trichloroethene	**57.0**	ug/L	1.0	1		01/17/22 11:29	79-01-6	
Trichlorofluoromethane	**<0.16**	ug/L	1.0	1		01/17/22 11:29	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	2.5	1		01/17/22 11:29	96-18-4	
1,2,4-Trimethylbenzene	**<0.32**	ug/L	1.0	1		01/17/22 11:29	95-63-6	
1,3,5-Trimethylbenzene	**<0.090**	ug/L	1.0	1		01/17/22 11:29	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	1		01/17/22 11:29	75-01-4	
Xylene (Total)	**<0.28**	ug/L	3.0	1		01/17/22 11:29	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	101	%	80-120	1		01/17/22 11:29	460-00-4	
Toluene-d8 (S)	101	%	80-120	1		01/17/22 11:29	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	99	%	80-120	1		01/17/22 11:29	2199-69-1	
Preservation pH	**1.0**		0.10	1		01/17/22 11:29		

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ANALYTICAL RESULTS

Project: 31st & PROSPECT
Pace Project No.: 60390702

Sample: MW-3 **Lab ID: 60390702005** Collected: 01/14/22 12:22 Received: 01/14/22 13:30 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	**19.1**	ug/L	10.0	1		01/17/22 11:43	67-64-1	
Benzene	**2.4**	ug/L	1.0	1		01/17/22 11:43	71-43-2	
Bromobenzene	**<0.088**	ug/L	1.0	1		01/17/22 11:43	108-86-1	
Bromochloromethane	**<0.20**	ug/L	1.0	1		01/17/22 11:43	74-97-5	
Bromodichloromethane	**<0.16**	ug/L	1.0	1		01/17/22 11:43	75-27-4	
Bromoform	**<0.68**	ug/L	1.0	1		01/17/22 11:43	75-25-2	
Bromomethane	**<0.46**	ug/L	5.0	1		01/17/22 11:43	74-83-9	
2-Butanone (MEK)	**4.9J**	ug/L	10.0	1		01/17/22 11:43	78-93-3	
n-Butylbenzene	**1.3**	ug/L	1.0	1		01/17/22 11:43	104-51-8	
sec-Butylbenzene	**1.5**	ug/L	1.0	1		01/17/22 11:43	135-98-8	
tert-Butylbenzene	**0.25J**	ug/L	1.0	1		01/17/22 11:43	98-06-6	
Carbon disulfide	**<0.98**	ug/L	5.0	1		01/17/22 11:43	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	1		01/17/22 11:43	56-23-5	
Chlorobenzene	**<0.089**	ug/L	1.0	1		01/17/22 11:43	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	1		01/17/22 11:43	75-00-3	
Chloroform	**0.76J**	ug/L	1.0	1		01/17/22 11:43	67-66-3	
Chloromethane	**<0.28**	ug/L	1.0	1		01/17/22 11:43	74-87-3	
2-Chlorotoluene	**<0.11**	ug/L	1.0	1		01/17/22 11:43	95-49-8	
4-Chlorotoluene	**<0.15**	ug/L	1.0	1		01/17/22 11:43	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.78**	ug/L	2.5	1		01/17/22 11:43	96-12-8	
Dibromochloromethane	**<0.30**	ug/L	1.0	1		01/17/22 11:43	124-48-1	
1,2-Dibromoethane (EDB)	**<0.20**	ug/L	1.0	1		01/17/22 11:43	106-93-4	
Dibromomethane	**<0.11**	ug/L	1.0	1		01/17/22 11:43	74-95-3	
1,2-Dichlorobenzene	**<0.12**	ug/L	1.0	1		01/17/22 11:43	95-50-1	
1,3-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 11:43	541-73-1	
1,4-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 11:43	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	1.0	1		01/17/22 11:43	75-71-8	
1,1-Dichloroethane	**<0.12**	ug/L	1.0	1		01/17/22 11:43	75-34-3	
1,2-Dichloroethane	**<0.21**	ug/L	1.0	1		01/17/22 11:43	107-06-2	
1,2-Dichloroethene (Total)	**21.1**	ug/L	1.0	1		01/17/22 11:43	540-59-0	
1,1-Dichloroethene	**<0.22**	ug/L	1.0	1		01/17/22 11:43	75-35-4	
cis-1,2-Dichloroethene	**20.6**	ug/L	1.0	1		01/17/22 11:43	156-59-2	
trans-1,2-Dichloroethene	**0.49J**	ug/L	1.0	1		01/17/22 11:43	156-60-5	
1,2-Dichloropropane	**<0.14**	ug/L	1.0	1		01/17/22 11:43	78-87-5	
1,3-Dichloropropane	**<0.10**	ug/L	1.0	1		01/17/22 11:43	142-28-9	
2,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/17/22 11:43	594-20-7	
1,1-Dichloropropene	**<0.14**	ug/L	1.0	1		01/17/22 11:43	563-58-6	
cis-1,3-Dichloropropene	**<0.078**	ug/L	1.0	1		01/17/22 11:43	10061-01-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	1.0	1		01/17/22 11:43	10061-02-6	
Ethylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 11:43	100-41-4	
Hexachloro-1,3-butadiene	**<0.42**	ug/L	1.0	1		01/17/22 11:43	87-68-3	
2-Hexanone	**<1.1**	ug/L	10.0	1		01/17/22 11:43	591-78-6	
Isopropylbenzene (Cumene)	**5.7**	ug/L	1.0	1		01/17/22 11:43	98-82-8	
p-Isopropyltoluene	**<0.13**	ug/L	1.0	1		01/17/22 11:43	99-87-6	
Methylene Chloride	**<0.39**	ug/L	1.0	1		01/17/22 11:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.74**	ug/L	10.0	1		01/17/22 11:43	108-10-1	

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ANALYTICAL RESULTS

Project: 31st & PROSPECT
Pace Project No.: 60390702

Sample: MW-3 **Lab ID: 60390702005** Collected: 01/14/22 12:22 Received: 01/14/22 13:30 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	**<0.13**	ug/L	1.0	1		01/17/22 11:43	1634-04-4	
Naphthalene	**<0.82**	ug/L	10.0	1		01/17/22 11:43	91-20-3	
n-Propylbenzene	**1.8**	ug/L	1.0	1		01/17/22 11:43	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/17/22 11:43	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.084**	ug/L	1.0	1		01/17/22 11:43	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/17/22 11:43	79-34-5	
Tetrachloroethene	**166**	ug/L	5.0	5		01/19/22 01:04	127-18-4	
Toluene	**0.87J**	ug/L	1.0	1		01/17/22 11:43	108-88-3	
1,2,3-Trichlorobenzene	**<0.93**	ug/L	1.0	1		01/17/22 11:43	87-61-6	
1,2,4-Trichlorobenzene	**<0.73**	ug/L	1.0	1		01/17/22 11:43	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/17/22 11:43	71-55-6	
1,1,2-Trichloroethane	**0.45J**	ug/L	1.0	1		01/17/22 11:43	79-00-5	
Trichloroethene	**47.9**	ug/L	1.0	1		01/17/22 11:43	79-01-6	
Trichlorofluoromethane	**<0.16**	ug/L	1.0	1		01/17/22 11:43	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	2.5	1		01/17/22 11:43	96-18-4	
1,2,4-Trimethylbenzene	**<0.32**	ug/L	1.0	1		01/17/22 11:43	95-63-6	
1,3,5-Trimethylbenzene	**0.12J**	ug/L	1.0	1		01/17/22 11:43	108-67-8	
Vinyl chloride	**0.85J**	ug/L	1.0	1		01/17/22 11:43	75-01-4	
Xylene (Total)	**0.43J**	ug/L	3.0	1		01/17/22 11:43	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%	80-120	1		01/17/22 11:43	460-00-4	
Toluene-d8 (S)	99	%	80-120	1		01/17/22 11:43	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1		01/17/22 11:43	2199-69-1	
Preservation pH	**1.0**		0.10	1		01/17/22 11:43		

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ANALYTICAL RESULTS

Project: 31st & PROSPECT
Pace Project No.: 60390702

Sample: MW-1-FD **Lab ID: 60390702006** Collected: 01/14/22 12:12 Received: 01/14/22 13:30 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		01/17/22 11:57	67-64-1	
Benzene	**<0.14**	ug/L	1.0	1		01/17/22 11:57	71-43-2	
Bromobenzene	**<0.088**	ug/L	1.0	1		01/17/22 11:57	108-86-1	
Bromochloromethane	**<0.20**	ug/L	1.0	1		01/17/22 11:57	74-97-5	
Bromodichloromethane	**<0.16**	ug/L	1.0	1		01/17/22 11:57	75-27-4	
Bromoform	**<0.68**	ug/L	1.0	1		01/17/22 11:57	75-25-2	
Bromomethane	**<0.46**	ug/L	5.0	1		01/17/22 11:57	74-83-9	
2-Butanone (MEK)	**<0.98**	ug/L	10.0	1		01/17/22 11:57	78-93-3	
n-Butylbenzene	**<0.15**	ug/L	1.0	1		01/17/22 11:57	104-51-8	
sec-Butylbenzene	**<0.11**	ug/L	1.0	1		01/17/22 11:57	135-98-8	
tert-Butylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 11:57	98-06-6	
Carbon disulfide	**<0.98**	ug/L	5.0	1		01/17/22 11:57	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	1		01/17/22 11:57	56-23-5	
Chlorobenzene	**<0.089**	ug/L	1.0	1		01/17/22 11:57	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	1		01/17/22 11:57	75-00-3	
Chloroform	**<0.22**	ug/L	1.0	1		01/17/22 11:57	67-66-3	
Chloromethane	**<0.28**	ug/L	1.0	1		01/17/22 11:57	74-87-3	
2-Chlorotoluene	**<0.11**	ug/L	1.0	1		01/17/22 11:57	95-49-8	
4-Chlorotoluene	**<0.15**	ug/L	1.0	1		01/17/22 11:57	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.78**	ug/L	2.5	1		01/17/22 11:57	96-12-8	
Dibromochloromethane	**<0.30**	ug/L	1.0	1		01/17/22 11:57	124-48-1	
1,2-Dibromoethane (EDB)	**<0.20**	ug/L	1.0	1		01/17/22 11:57	106-93-4	
Dibromomethane	**<0.11**	ug/L	1.0	1		01/17/22 11:57	74-95-3	
1,2-Dichlorobenzene	**<0.12**	ug/L	1.0	1		01/17/22 11:57	95-50-1	
1,3-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 11:57	541-73-1	
1,4-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 11:57	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	1.0	1		01/17/22 11:57	75-71-8	
1,1-Dichloroethane	**<0.12**	ug/L	1.0	1		01/17/22 11:57	75-34-3	
1,2-Dichloroethane	**<0.21**	ug/L	1.0	1		01/17/22 11:57	107-06-2	
1,2-Dichloroethene (Total)	**4.7**	ug/L	1.0	1		01/17/22 11:57	540-59-0	
1,1-Dichloroethene	**<0.22**	ug/L	1.0	1		01/17/22 11:57	75-35-4	
cis-1,2-Dichloroethene	**4.4**	ug/L	1.0	1		01/17/22 11:57	156-59-2	
trans-1,2-Dichloroethene	**0.27J**	ug/L	1.0	1		01/17/22 11:57	156-60-5	
1,2-Dichloropropane	**<0.14**	ug/L	1.0	1		01/17/22 11:57	78-87-5	
1,3-Dichloropropane	**<0.10**	ug/L	1.0	1		01/17/22 11:57	142-28-9	
2,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/17/22 11:57	594-20-7	
1,1-Dichloropropene	**<0.14**	ug/L	1.0	1		01/17/22 11:57	563-58-6	
cis-1,3-Dichloropropene	**<0.078**	ug/L	1.0	1		01/17/22 11:57	10061-01-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	1.0	1		01/17/22 11:57	10061-02-6	
Ethylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 11:57	100-41-4	
Hexachloro-1,3-butadiene	**<0.42**	ug/L	1.0	1		01/17/22 11:57	87-68-3	
2-Hexanone	**<1.1**	ug/L	10.0	1		01/17/22 11:57	591-78-6	
Isopropylbenzene (Cumene)	**<0.097**	ug/L	1.0	1		01/17/22 11:57	98-82-8	
p-Isopropyltoluene	**<0.13**	ug/L	1.0	1		01/17/22 11:57	99-87-6	
Methylene Chloride	**<0.39**	ug/L	1.0	1		01/17/22 11:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.74**	ug/L	10.0	1		01/17/22 11:57	108-10-1	

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ANALYTICAL RESULTS

Project: 31st & PROSPECT
Pace Project No.: 60390702

Sample: MW-1-FD **Lab ID: 60390702006** Collected: 01/14/22 12:12 Received: 01/14/22 13:30 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	**<0.13**	ug/L	1.0	1		01/17/22 11:57	1634-04-4	
Naphthalene	**<0.82**	ug/L	10.0	1		01/17/22 11:57	91-20-3	
n-Propylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 11:57	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/17/22 11:57	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.084**	ug/L	1.0	1		01/17/22 11:57	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/17/22 11:57	79-34-5	
Tetrachloroethene	**159**	ug/L	5.0	5		01/19/22 01:18	127-18-4	
Toluene	**<0.25**	ug/L	1.0	1		01/17/22 11:57	108-88-3	
1,2,3-Trichlorobenzene	**<0.93**	ug/L	1.0	1		01/17/22 11:57	87-61-6	
1,2,4-Trichlorobenzene	**<0.73**	ug/L	1.0	1		01/17/22 11:57	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/17/22 11:57	71-55-6	
1,1,2-Trichloroethane	**<0.14**	ug/L	1.0	1		01/17/22 11:57	79-00-5	
Trichloroethene	**55.6**	ug/L	1.0	1		01/17/22 11:57	79-01-6	
Trichlorofluoromethane	**<0.16**	ug/L	1.0	1		01/17/22 11:57	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	2.5	1		01/17/22 11:57	96-18-4	
1,2,4-Trimethylbenzene	**<0.32**	ug/L	1.0	1		01/17/22 11:57	95-63-6	
1,3,5-Trimethylbenzene	**<0.090**	ug/L	1.0	1		01/17/22 11:57	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	1		01/17/22 11:57	75-01-4	
Xylene (Total)	**<0.28**	ug/L	3.0	1		01/17/22 11:57	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	103	%	80-120	1		01/17/22 11:57	460-00-4	
Toluene-d8 (S)	98	%	80-120	1		01/17/22 11:57	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1		01/17/22 11:57	2199-69-1	
Preservation pH	**1.0**		0.10	1		01/17/22 11:57		

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ANALYTICAL RESULTS

Project: 31st & PROSPECT
Pace Project No.: 60390702

Sample: GROUND WATER- IDW **Lab ID: 60390702007** Collected: 01/14/22 12:38 Received: 01/14/22 13:30 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	**39.5**	ug/L	10.0	1		01/17/22 12:11	67-64-1	
Benzene	**0.15J**	ug/L	1.0	1		01/17/22 12:11	71-43-2	
Bromobenzene	**<0.088**	ug/L	1.0	1		01/17/22 12:11	108-86-1	
Bromochloromethane	**<0.20**	ug/L	1.0	1		01/17/22 12:11	74-97-5	
Bromodichloromethane	**<0.16**	ug/L	1.0	1		01/17/22 12:11	75-27-4	
Bromoform	**<0.68**	ug/L	1.0	1		01/17/22 12:11	75-25-2	
Bromomethane	**<0.46**	ug/L	5.0	1		01/17/22 12:11	74-83-9	
2-Butanone (MEK)	**10.4**	ug/L	10.0	1		01/17/22 12:11	78-93-3	
n-Butylbenzene	**<0.15**	ug/L	1.0	1		01/17/22 12:11	104-51-8	
sec-Butylbenzene	**0.12J**	ug/L	1.0	1		01/17/22 12:11	135-98-8	
tert-Butylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 12:11	98-06-6	
Carbon disulfide	**<0.98**	ug/L	5.0	1		01/17/22 12:11	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	1		01/17/22 12:11	56-23-5	
Chlorobenzene	**<0.089**	ug/L	1.0	1		01/17/22 12:11	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	1		01/17/22 12:11	75-00-3	
Chloroform	**0.27J**	ug/L	1.0	1		01/17/22 12:11	67-66-3	
Chloromethane	**<0.28**	ug/L	1.0	1		01/17/22 12:11	74-87-3	
2-Chlorotoluene	**<0.11**	ug/L	1.0	1		01/17/22 12:11	95-49-8	
4-Chlorotoluene	**<0.15**	ug/L	1.0	1		01/17/22 12:11	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.78**	ug/L	2.5	1		01/17/22 12:11	96-12-8	
Dibromochloromethane	**<0.30**	ug/L	1.0	1		01/17/22 12:11	124-48-1	
1,2-Dibromoethane (EDB)	**<0.20**	ug/L	1.0	1		01/17/22 12:11	106-93-4	
Dibromomethane	**<0.11**	ug/L	1.0	1		01/17/22 12:11	74-95-3	
1,2-Dichlorobenzene	**<0.12**	ug/L	1.0	1		01/17/22 12:11	95-50-1	
1,3-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 12:11	541-73-1	
1,4-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 12:11	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	1.0	1		01/17/22 12:11	75-71-8	
1,1-Dichloroethane	**<0.12**	ug/L	1.0	1		01/17/22 12:11	75-34-3	
1,2-Dichloroethane	**<0.21**	ug/L	1.0	1		01/17/22 12:11	107-06-2	
1,2-Dichloroethene (Total)	**3.7**	ug/L	1.0	1		01/17/22 12:11	540-59-0	
1,1-Dichloroethene	**<0.22**	ug/L	1.0	1		01/17/22 12:11	75-35-4	
cis-1,2-Dichloroethene	**3.6**	ug/L	1.0	1		01/17/22 12:11	156-59-2	
trans-1,2-Dichloroethene	**0.13J**	ug/L	1.0	1		01/17/22 12:11	156-60-5	
1,2-Dichloropropane	**<0.14**	ug/L	1.0	1		01/17/22 12:11	78-87-5	
1,3-Dichloropropane	**<0.10**	ug/L	1.0	1		01/17/22 12:11	142-28-9	
2,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/17/22 12:11	594-20-7	
1,1-Dichloropropene	**<0.14**	ug/L	1.0	1		01/17/22 12:11	563-58-6	
cis-1,3-Dichloropropene	**<0.078**	ug/L	1.0	1		01/17/22 12:11	10061-01-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	1.0	1		01/17/22 12:11	10061-02-6	
Ethylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 12:11	100-41-4	
Hexachloro-1,3-butadiene	**<0.42**	ug/L	1.0	1		01/17/22 12:11	87-68-3	
2-Hexanone	**<1.1**	ug/L	10.0	1		01/17/22 12:11	591-78-6	
Isopropylbenzene (Cumene)	**0.31J**	ug/L	1.0	1		01/17/22 12:11	98-82-8	
p-Isopropyltoluene	**<0.13**	ug/L	1.0	1		01/17/22 12:11	99-87-6	
Methylene Chloride	**<0.39**	ug/L	1.0	1		01/17/22 12:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.74**	ug/L	10.0	1		01/17/22 12:11	108-10-1	

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ANALYTICAL RESULTS

Project: 31st & PROSPECT
Pace Project No.: 60390702

Sample: GROUND WATER- IDW **Lab ID: 60390702007** Collected: 01/14/22 12:38 Received: 01/14/22 13:30 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	**<0.13**	ug/L	1.0	1		01/17/22 12:11	1634-04-4	
Naphthalene	**<0.82**	ug/L	10.0	1		01/17/22 12:11	91-20-3	
n-Propylbenzene	**0.13J**	ug/L	1.0	1		01/17/22 12:11	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/17/22 12:11	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.084**	ug/L	1.0	1		01/17/22 12:11	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/17/22 12:11	79-34-5	
Tetrachloroethene	**392**	ug/L	10.0	10		01/19/22 01:32	127-18-4	
Toluene	**18.3**	ug/L	1.0	1		01/17/22 12:11	108-88-3	
1,2,3-Trichlorobenzene	**<0.93**	ug/L	1.0	1		01/17/22 12:11	87-61-6	
1,2,4-Trichlorobenzene	**<0.73**	ug/L	1.0	1		01/17/22 12:11	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/17/22 12:11	71-55-6	
1,1,2-Trichloroethane	**<0.14**	ug/L	1.0	1		01/17/22 12:11	79-00-5	
Trichloroethene	**30.0**	ug/L	1.0	1		01/17/22 12:11	79-01-6	
Trichlorofluoromethane	**<0.16**	ug/L	1.0	1		01/17/22 12:11	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	2.5	1		01/17/22 12:11	96-18-4	
1,2,4-Trimethylbenzene	**<0.32**	ug/L	1.0	1		01/17/22 12:11	95-63-6	
1,3,5-Trimethylbenzene	**<0.090**	ug/L	1.0	1		01/17/22 12:11	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	1		01/17/22 12:11	75-01-4	
Xylene (Total)	**0.72J**	ug/L	3.0	1		01/17/22 12:11	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	101	%	80-120	1		01/17/22 12:11	460-00-4	
Toluene-d8 (S)	98	%	80-120	1		01/17/22 12:11	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1		01/17/22 12:11	2199-69-1	
Preservation pH	**1.0**		0.10	1		01/17/22 12:11		

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ANALYTICAL RESULTS

Project: 31st & PROSPECT
Pace Project No.: 60390702

Sample: TRIP BLANK-3 **Lab ID: 60390702008** Collected: 01/14/22 12:40 Received: 01/14/22 13:30 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		01/17/22 10:33	67-64-1	
Benzene	**<0.14**	ug/L	1.0	1		01/17/22 10:33	71-43-2	
Bromobenzene	**<0.088**	ug/L	1.0	1		01/17/22 10:33	108-86-1	
Bromochloromethane	**<0.20**	ug/L	1.0	1		01/17/22 10:33	74-97-5	
Bromodichloromethane	**<0.16**	ug/L	1.0	1		01/17/22 10:33	75-27-4	
Bromoform	**<0.68**	ug/L	1.0	1		01/17/22 10:33	75-25-2	
Bromomethane	**<0.46**	ug/L	5.0	1		01/17/22 10:33	74-83-9	
2-Butanone (MEK)	**<0.98**	ug/L	10.0	1		01/17/22 10:33	78-93-3	
n-Butylbenzene	**<0.15**	ug/L	1.0	1		01/17/22 10:33	104-51-8	
sec-Butylbenzene	**<0.11**	ug/L	1.0	1		01/17/22 10:33	135-98-8	
tert-Butylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 10:33	98-06-6	
Carbon disulfide	**<0.98**	ug/L	5.0	1		01/17/22 10:33	75-15-0	
Carbon tetrachloride	**<0.17**	ug/L	1.0	1		01/17/22 10:33	56-23-5	
Chlorobenzene	**<0.089**	ug/L	1.0	1		01/17/22 10:33	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	1		01/17/22 10:33	75-00-3	
Chloroform	**<0.22**	ug/L	1.0	1		01/17/22 10:33	67-66-3	
Chloromethane	**<0.28**	ug/L	1.0	1		01/17/22 10:33	74-87-3	
2-Chlorotoluene	**<0.11**	ug/L	1.0	1		01/17/22 10:33	95-49-8	
4-Chlorotoluene	**<0.15**	ug/L	1.0	1		01/17/22 10:33	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.78**	ug/L	2.5	1		01/17/22 10:33	96-12-8	
Dibromochloromethane	**<0.30**	ug/L	1.0	1		01/17/22 10:33	124-48-1	
1,2-Dibromoethane (EDB)	**<0.20**	ug/L	1.0	1		01/17/22 10:33	106-93-4	
Dibromomethane	**<0.11**	ug/L	1.0	1		01/17/22 10:33	74-95-3	
1,2-Dichlorobenzene	**<0.12**	ug/L	1.0	1		01/17/22 10:33	95-50-1	
1,3-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 10:33	541-73-1	
1,4-Dichlorobenzene	**<0.13**	ug/L	1.0	1		01/17/22 10:33	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/L	1.0	1		01/17/22 10:33	75-71-8	
1,1-Dichloroethane	**<0.12**	ug/L	1.0	1		01/17/22 10:33	75-34-3	
1,2-Dichloroethane	**<0.21**	ug/L	1.0	1		01/17/22 10:33	107-06-2	
1,2-Dichloroethene (Total)	**<0.22**	ug/L	1.0	1		01/17/22 10:33	540-59-0	
1,1-Dichloroethene	**<0.22**	ug/L	1.0	1		01/17/22 10:33	75-35-4	
cis-1,2-Dichloroethene	**<0.13**	ug/L	1.0	1		01/17/22 10:33	156-59-2	
trans-1,2-Dichloroethene	**<0.10**	ug/L	1.0	1		01/17/22 10:33	156-60-5	
1,2-Dichloropropane	**<0.14**	ug/L	1.0	1		01/17/22 10:33	78-87-5	
1,3-Dichloropropane	**<0.10**	ug/L	1.0	1		01/17/22 10:33	142-28-9	
2,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/17/22 10:33	594-20-7	
1,1-Dichloropropene	**<0.14**	ug/L	1.0	1		01/17/22 10:33	563-58-6	
cis-1,3-Dichloropropene	**<0.078**	ug/L	1.0	1		01/17/22 10:33	10061-01-5	
trans-1,3-Dichloropropene	**<0.18**	ug/L	1.0	1		01/17/22 10:33	10061-02-6	
Ethylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 10:33	100-41-4	
Hexachloro-1,3-butadiene	**<0.42**	ug/L	1.0	1		01/17/22 10:33	87-68-3	
2-Hexanone	**<1.1**	ug/L	10.0	1		01/17/22 10:33	591-78-6	
Isopropylbenzene (Cumene)	**<0.097**	ug/L	1.0	1		01/17/22 10:33	98-82-8	
p-Isopropyltoluene	**<0.13**	ug/L	1.0	1		01/17/22 10:33	99-87-6	
Methylene Chloride	**<0.39**	ug/L	1.0	1		01/17/22 10:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.74**	ug/L	10.0	1		01/17/22 10:33	108-10-1	

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ANALYTICAL RESULTS

Project: 31st & PROSPECT
Pace Project No.: 60390702

Sample: TRIP BLANK-3 **Lab ID: 60390702008** Collected: 01/14/22 12:40 Received: 01/14/22 13:30 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	**<0.13**	ug/L	1.0	1		01/17/22 10:33	1634-04-4	
Naphthalene	**<0.82**	ug/L	10.0	1		01/17/22 10:33	91-20-3	
n-Propylbenzene	**<0.12**	ug/L	1.0	1		01/17/22 10:33	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/17/22 10:33	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.084**	ug/L	1.0	1		01/17/22 10:33	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/17/22 10:33	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.0	1		01/17/22 10:33	127-18-4	
Toluene	**<0.25**	ug/L	1.0	1		01/17/22 10:33	108-88-3	
1,2,3-Trichlorobenzene	**<0.93**	ug/L	1.0	1		01/17/22 10:33	87-61-6	
1,2,4-Trichlorobenzene	**<0.73**	ug/L	1.0	1		01/17/22 10:33	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/17/22 10:33	71-55-6	
1,1,2-Trichloroethane	**<0.14**	ug/L	1.0	1		01/17/22 10:33	79-00-5	
Trichloroethene	**<0.21**	ug/L	1.0	1		01/17/22 10:33	79-01-6	
Trichlorofluoromethane	**<0.16**	ug/L	1.0	1		01/17/22 10:33	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	2.5	1		01/17/22 10:33	96-18-4	
1,2,4-Trimethylbenzene	**<0.32**	ug/L	1.0	1		01/17/22 10:33	95-63-6	
1,3,5-Trimethylbenzene	**<0.090**	ug/L	1.0	1		01/17/22 10:33	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	1		01/17/22 10:33	75-01-4	
Xylene (Total)	**<0.28**	ug/L	3.0	1		01/17/22 10:33	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	104	%	80-120	1		01/17/22 10:33	460-00-4	
Toluene-d8 (S)	101	%	80-120	1		01/17/22 10:33	2037-26-5	
1,2-Dichlorobenzene-d4 (S)	101	%	80-120	1		01/17/22 10:33	2199-69-1	
Preservation pH	**1.0**		0.10	1		01/17/22 10:33		

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QUALITY CONTROL DATA

Project: 31st & PROSPECT
Pace Project No.: 60390702

QC Batch: 766776
QC Batch Method: EPA 5030B/8260
Analysis Method: EPA 5030B/8260
Analysis Description: 8260 MSV Water 10 mL Purge
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60390702001, 60390702002, 60390702003, 60390702004, 60390702005, 60390702006, 60390702007, 60390702008

METHOD BLANK: 3064429
Matrix: Water
Associated Lab Samples: 60390702001, 60390702002, 60390702003, 60390702004, 60390702005, 60390702006, 60390702007, 60390702008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.084	1.0	01/17/22 09:38	
1,1,1-Trichloroethane	ug/L	<0.11	1.0	01/17/22 09:38	
1,1,2,2-Tetrachloroethane	ug/L	<0.15	1.0	01/17/22 09:38	
1,1,2-Trichloroethane	ug/L	<0.14	1.0	01/17/22 09:38	
1,1-Dichloroethane	ug/L	<0.12	1.0	01/17/22 09:38	
1,1-Dichloroethene	ug/L	<0.22	1.0	01/17/22 09:38	
1,1-Dichloropropene	ug/L	<0.14	1.0	01/17/22 09:38	
1,2,3-Trichlorobenzene	ug/L	<0.93	1.0	01/17/22 09:38	
1,2,3-Trichloropropane	ug/L	<0.41	2.5	01/17/22 09:38	
1,2,4-Trichlorobenzene	ug/L	<0.73	1.0	01/17/22 09:38	
1,2,4-Trimethylbenzene	ug/L	<0.32	1.0	01/17/22 09:38	
1,2-Dibromo-3-chloropropane	ug/L	<0.78	2.5	01/17/22 09:38	
1,2-Dibromoethane (EDB)	ug/L	<0.20	1.0	01/17/22 09:38	
1,2-Dichlorobenzene	ug/L	<0.12	1.0	01/17/22 09:38	
1,2-Dichloroethane	ug/L	<0.21	1.0	01/17/22 09:38	
1,2-Dichloroethene (Total)	ug/L	<0.22	1.0	01/17/22 09:38	
1,2-Dichloropropane	ug/L	<0.14	1.0	01/17/22 09:38	
1,3,5-Trimethylbenzene	ug/L	<0.090	1.0	01/17/22 09:38	
1,3-Dichlorobenzene	ug/L	<0.13	1.0	01/17/22 09:38	
1,3-Dichloropropane	ug/L	<0.10	1.0	01/17/22 09:38	
1,4-Dichlorobenzene	ug/L	<0.13	1.0	01/17/22 09:38	
2,2-Dichloropropane	ug/L	<0.16	1.0	01/17/22 09:38	
2-Butanone (MEK)	ug/L	<0.98	10.0	01/17/22 09:38	
2-Chlorotoluene	ug/L	<0.11	1.0	01/17/22 09:38	
2-Hexanone	ug/L	<1.1	10.0	01/17/22 09:38	
4-Chlorotoluene	ug/L	<0.15	1.0	01/17/22 09:38	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.74	10.0	01/17/22 09:38	
Acetone	ug/L	<2.5	10.0	01/17/22 09:38	
Benzene	ug/L	<0.14	1.0	01/17/22 09:38	
Bromobenzene	ug/L	<0.088	1.0	01/17/22 09:38	
Bromochloromethane	ug/L	<0.20	1.0	01/17/22 09:38	
Bromodichloromethane	ug/L	<0.16	1.0	01/17/22 09:38	
Bromoform	ug/L	<0.68	1.0	01/17/22 09:38	
Bromomethane	ug/L	<0.46	5.0	01/17/22 09:38	
Carbon disulfide	ug/L	<0.98	5.0	01/17/22 09:38	
Carbon tetrachloride	ug/L	<0.17	1.0	01/17/22 09:38	
Chlorobenzene	ug/L	<0.089	1.0	01/17/22 09:38	
Chloroethane	ug/L	<0.37	1.0	01/17/22 09:38	
Chloroform	ug/L	<0.22	1.0	01/17/22 09:38	

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QUALITY CONTROL DATA

Project: 31st & PROSPECT
Pace Project No.: 60390702

METHOD BLANK: 3064429 Matrix: Water

Associated Lab Samples: 60390702001, 60390702002, 60390702003, 60390702004, 60390702005, 60390702006, 60390702007, 60390702008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	ug/L	<0.28	1.0	01/17/22 09:38	
cis-1,2-Dichloroethene	ug/L	<0.13	1.0	01/17/22 09:38	
cis-1,3-Dichloropropene	ug/L	<0.078	1.0	01/17/22 09:38	
Dibromochloromethane	ug/L	<0.30	1.0	01/17/22 09:38	
Dibromomethane	ug/L	<0.11	1.0	01/17/22 09:38	
Dichlorodifluoromethane	ug/L	<0.20	1.0	01/17/22 09:38	
Ethylbenzene	ug/L	<0.12	1.0	01/17/22 09:38	
Hexachloro-1,3-butadiene	ug/L	<0.42	1.0	01/17/22 09:38	
Isopropylbenzene (Cumene)	ug/L	<0.097	1.0	01/17/22 09:38	
Methyl-tert-butyl ether	ug/L	<0.13	1.0	01/17/22 09:38	
Methylene Chloride	ug/L	<0.39	1.0	01/17/22 09:38	
n-Butylbenzene	ug/L	<0.15	1.0	01/17/22 09:38	
n-Propylbenzene	ug/L	<0.12	1.0	01/17/22 09:38	
Naphthalene	ug/L	<0.82	10.0	01/17/22 09:38	
p-Isopropyltoluene	ug/L	<0.13	1.0	01/17/22 09:38	
sec-Butylbenzene	ug/L	<0.11	1.0	01/17/22 09:38	
Styrene	ug/L	<0.12	1.0	01/17/22 09:38	
tert-Butylbenzene	ug/L	<0.12	1.0	01/17/22 09:38	
Tetrachloroethene	ug/L	<0.33	1.0	01/17/22 09:38	
Toluene	ug/L	<0.25	1.0	01/17/22 09:38	
trans-1,2-Dichloroethene	ug/L	<0.10	1.0	01/17/22 09:38	
trans-1,3-Dichloropropene	ug/L	<0.18	1.0	01/17/22 09:38	
Trichloroethene	ug/L	<0.21	1.0	01/17/22 09:38	
Trichlorofluoromethane	ug/L	<0.16	1.0	01/17/22 09:38	
Vinyl chloride	ug/L	<0.17	1.0	01/17/22 09:38	
Xylene (Total)	ug/L	<0.28	3.0	01/17/22 09:38	
1,2-Dichlorobenzene-d4 (S)	%	101	80-120	01/17/22 09:38	
4-Bromofluorobenzene (S)	%	102	80-120	01/17/22 09:38	
Toluene-d8 (S)	%	100	80-120	01/17/22 09:38	

LABORATORY CONTROL SAMPLE: 3064430

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.0	100	80-120	
1,1,1-Trichloroethane	ug/L	20	20.6	103	80-120	
1,1,2,2-Tetrachloroethane	ug/L	20	17.1	85	75-125	
1,1,2-Trichloroethane	ug/L	20	17.2	86	80-120	
1,1-Dichloroethane	ug/L	20	18.4	92	75-125	
1,1-Dichloroethene	ug/L	20	18.5	92	80-120	
1,1-Dichloropropene	ug/L	20	20.5	102	80-125	
1,2,3-Trichlorobenzene	ug/L	20	18.3	92	75-125	
1,2,3-Trichloropropane	ug/L	20	19.0	95	80-125	
1,2,4-Trichlorobenzene	ug/L	20	17.3	86	75-120	

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QUALITY CONTROL DATA

Project: 31st & PROSPECT
Pace Project No.: 60390702

LABORATORY CONTROL SAMPLE: 3064430

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.9	104	80-125	
1,2-Dibromo-3-chloropropane	ug/L	20	15.0	75	70-120	
1,2-Dibromoethane (EDB)	ug/L	20	18.1	91	80-120	
1,2-Dichlorobenzene	ug/L	20	18.7	94	80-120	
1,2-Dichloroethane	ug/L	20	18.0	90	75-120	
1,2-Dichloroethene (Total)	ug/L	40	38.4	96	80-120	
1,2-Dichloropropane	ug/L	20	20.2	101	80-125	
1,3,5-Trimethylbenzene	ug/L	20	20.7	104	80-125	
1,3-Dichlorobenzene	ug/L	20	19.8	99	80-120	
1,3-Dichloropropane	ug/L	20	18.5	92	80-120	
1,4-Dichlorobenzene	ug/L	20	18.7	94	80-120	
2,2-Dichloropropane	ug/L	20	19.8	99	60-130	
2-Butanone (MEK)	ug/L	100	102	102	40-150	
2-Chlorotoluene	ug/L	20	21.4	107	80-120	
2-Hexanone	ug/L	100	92.5	93	45-150	
4-Chlorotoluene	ug/L	20	20.3	101	80-120	
4-Methyl-2-pentanone (MIBK)	ug/L	100	78.9	79	65-140	
Acetone	ug/L	100	125	125	20-175	
Benzene	ug/L	20	21.2	106	80-120	
Bromobenzene	ug/L	20	19.8	99	80-120	
Bromochloromethane	ug/L	20	18.6	93	80-125	
Bromodichloromethane	ug/L	20	19.0	95	80-125	
Bromoform	ug/L	20	14.8	74	60-135	
Bromomethane	ug/L	20	13.0	65	10-165	
Carbon disulfide	ug/L	20	19.9	100	75-135	
Carbon tetrachloride	ug/L	20	20.5	103	80-125	
Chlorobenzene	ug/L	20	20.9	105	80-120	
Chloroethane	ug/L	20	17.3	86	70-130	
Chloroform	ug/L	20	18.2	91	80-120	
Chloromethane	ug/L	20	15.2	76	35-155	
cis-1,2-Dichloroethene	ug/L	20	20.0	100	80-120	
cis-1,3-Dichloropropene	ug/L	20	20.1	101	80-125	
Dibromochloromethane	ug/L	20	15.8	79	70-120	
Dibromomethane	ug/L	20	17.1	86	80-120	
Dichlorodifluoromethane	ug/L	20	18.7	94	50-150	
Ethylbenzene	ug/L	20	20.6	103	80-120	
Hexachloro-1,3-butadiene	ug/L	20	20.9	104	65-135	
Isopropylbenzene (Cumene)	ug/L	20	21.7	108	80-125	
Methyl-tert-butyl ether	ug/L	20	15.5	78	65-130	
Methylene Chloride	ug/L	20	17.9	90	75-120	
n-Butylbenzene	ug/L	20	20.6	103	80-125	
n-Propylbenzene	ug/L	20	21.1	106	80-120	
Naphthalene	ug/L	20	17.6	88	70-120	
p-Isopropyltoluene	ug/L	20	21.0	105	80-135	
sec-Butylbenzene	ug/L	20	22.2	111	80-120	
Styrene	ug/L	20	20.4	102	80-120	
tert-Butylbenzene	ug/L	20	21.6	108	80-120	

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QUALITY CONTROL DATA

Project: 31st & PROSPECT
Pace Project No.: 60390702

LABORATORY CONTROL SAMPLE: 3064430

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	20	20.5	102	80-120	
Toluene	ug/L	20	19.9	99	80-120	
trans-1,2-Dichloroethene	ug/L	20	18.4	92	80-120	
trans-1,3-Dichloropropene	ug/L	20	16.4	82	75-120	
Trichloroethene	ug/L	20	20.1	101	80-120	
Trichlorofluoromethane	ug/L	20	19.1	95	80-130	
Vinyl chloride	ug/L	20	17.2	86	65-130	
Xylene (Total)	ug/L	60	63.5	106	80-120	
1,2-Dichlorobenzene-d4 (S)	%			97	80-120	
4-Bromofluorobenzene (S)	%			100	80-120	
Toluene-d8 (S)	%			100	80-120	

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QUALITY CONTROL DATA

Project: 31st & PROSPECT
Pace Project No.: 60390702

QC Batch: 767091
QC Batch Method: EPA 5030B/8260
Analysis Method: EPA 5030B/8260
Analysis Description: 8260 MSV Water 10 mL Purge
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60390702003, 60390702004, 60390702005, 60390702006, 60390702007

METHOD BLANK: 3065324
Matrix: Water
Associated Lab Samples: 60390702003, 60390702004, 60390702005, 60390702006, 60390702007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	<0.33	1.0	01/18/22 20:53	
1,2-Dichlorobenzene-d4 (S)	%	103	80-120	01/18/22 20:53	
4-Bromofluorobenzene (S)	%	104	80-120	01/18/22 20:53	
Toluene-d8 (S)	%	101	80-120	01/18/22 20:53	

LABORATORY CONTROL SAMPLE: 3065325

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	20	20.4	102	80-120	
1,2-Dichlorobenzene-d4 (S)	%			98	80-120	
4-Bromofluorobenzene (S)	%			98	80-120	
Toluene-d8 (S)	%			99	80-120	

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QUALIFIERS

Project: 31st & PROSPECT
Pace Project No.: 60390702

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.

BATCH QUALIFIERS

Batch: 766776

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 767091

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 31st & PROSPECT
Pace Project No.: 60390702

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60390702001	**RINSATE BLANK**	EPA 5030B/8260	766776		
60390702002	**FIELD BLANK - 4**	EPA 5030B/8260	766776		
60390702003	**MW-2**	EPA 5030B/8260	766776		
60390702003	**MW-2**	EPA 5030B/8260	767091		
60390702004	**MW-1**	EPA 5030B/8260	766776		
60390702004	**MW-1**	EPA 5030B/8260	767091		
60390702005	**MW-3**	EPA 5030B/8260	766776		
60390702005	**MW-3**	EPA 5030B/8260	767091		
60390702006	**MW-1-FD**	EPA 5030B/8260	766776		
60390702006	**MW-1-FD**	EPA 5030B/8260	767091		
60390702007	**GROUND WATER- IDW**	EPA 5030B/8260	766776		
60390702007	**GROUND WATER- IDW**	EPA 5030B/8260	767091		
60390702008	**TRIP BLANK-3**	EPA 5030B/8260	766776		

WO#: 60390702

60390702

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-LENE-0009_Sample Condition Upon Receipt		
	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 ☑

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

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

Thermometer Used: T299 **Type of Ice:** (Wet) Blue None

Cooler Temperature (°C): **As-read** 9.1 **Corr. Factor** -0.2 **Corrected** 8.9

Date and initials of person examining contents: 01-14-2022 MC

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	
Rush Turn Around Time requested:	☐Yes ☑No ☐N/A	
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☑N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: WT	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) **LOT#:**	☐Yes ☐No ☑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)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☑Yes ☐No ☐N/A	2U69H
Headspace in VOA vials (>6mm):	☐Yes ☑No ☐N/A	
Samples from USDA Regulated Area: State:	☐Yes ☐No ☑N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑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 Analytical

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

60560702

Page 1 of 1

ALL SHADED AREAS are for LAB USE ONLY

Company: Tetra Tech EMI

Billing Information:

Address: 415 Oak, Kansas City, MO 64106

Report To: Stephanie Caples

Email To: stephanie.caples@tetratech.com

Copy To: Emily Fisher emily.fisher@tetratech.com

Site Collection Info/Address:

Customer Project Name/Number: 31st & Prospect

State: MO County/City: Kansas City Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET

Phone: 816-412-1777
Email:

Site/Facility ID #:

Compliance Monitoring? [ ] Yes [ ] No

Collected By (print): Reed Niemack / Stephanie Caples

Purchase Order #:
Quote #:

DW PWS ID #:
DW Location Code:

Collected By (signature):

Turnaround Date Required:

Immediately Packed on Ice: [ ] Yes [ ] No

Sample Disposal:
[ ] Dispose as appropriate [ ] Return
[ ] Archive: _____
[ ] Hold: _____

Rush:
[ ] Same Day [ ] Next Day
[ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day
(Expedite Charges Apply)

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis: _____

Container Preservative Type **: 3 | 3 | 3

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

Lab Project Manager:

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

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

LAB USE ONLY:
Lab Sample # / Comments:

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOC by 5260	Trip Blank	Field Blank
Rinsate Blank	GW	Grab	1/14	1040				3	X		
Field Blank-4				1050				3	X		X
MW-2				1115				3	X		
MW-1				1212				3	X		
MW-3				1222				2	X		
MW-1-FD				1212				3	X		
Groundwater-IDW				1238				3	X		
Trip Blank-3		Comp		1240				2	X	X	

Customer Remarks / Special Conditions / Possible Hazards:
Complete

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

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

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

Lab Tracking #: 2568686

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: T299
Cooler 1 Temp Upon Receipt: 8.1 oC
Cooler 1 Therm Corr. Factor: -0.2 oC
Cooler 1 Corrected Temp: 8.9 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Peack	1/14 1330	[signature]	1.14.22 1330
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCl MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

Client: Tetra Tech

Profile # 970 Line 2

Site:

Notes

COC Line Item	Matrix	VG9H	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																														
3		3																														
4		3																														
5		2																														
6		3																														
7		3																														
8		2																														
9																																
10																																
11																																
12																																

Container Codes

Glass			
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar
DG9H	40mL HCl amber voa vial	WGFU	4oz clear soil jar
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass
		AG5U	100mL unpres amber glass

Plastic	
BP1C	1L NAOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn Acetate
BP2C	500mL NAOH plastic
BP2N	500mL HNO3 plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Acetate
BP3C	250mL NaOH plastic
BP3F	250mL HNO3 plastic - field filtered
BP3N	250mL HNO3 plastic
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, Zn Acetate
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic
WPDU	16oz unpresserved plstic

Misc.	
I	Wipe/Swab
SP5T	120mL Coliform Na Thiosulfate
ZPLC	Ziploc Bag
AF	Air Filter
C	Air Cassettes
R	Terracore Kit
U	Summa Can

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

Work Order Number: 60390702

DATA VERIFICATION REPORT

Prepared by: Farhana Rahman
Date: February 9, 2022
Site Name/Job Number: 31st & Prospect Site / 103Z65210190.08.03

Laboratory: ALS Environmental – Cincinnati, OH

Data Package or SDG Number: 22010475

Sample Designations/Names:

SG-1-(7-7.5)	SG-2-(4.5-5)	SG-3-(4.5-5)	SG-4-(22.5-23)	SG-4-(7.5-8)	SG-5-(16.5-17)
SG-5-(4.5-5)	SG-6-(4.5-5)	SG-7(4.5-5)	SG-7-(16.5-17)	SG-8-(4.5-5)	

Matrices: Soil Gas
Analytical Parameters: VOCs by EPA Methods TO-15

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	☑	☐	☐	The chain of custody was completed appropriately. Custody seals were noted as not present on shipping container and on 'sample bottles'; but did not clarify if custody seals were required.
Data package completeness	☑	☐	☐	Package contains all the required elements, except for one sample (SG-3 (21.5-22)) being inadvertently not analyzed. The laboratory noted that the label of the sample was crossed out, and the laboratory cleaned out the cannister instead of analyzing the sample.
Sample preservation, storage, and holding times	☑	☐	☐	The samples were received on 1/17/2022; the samples arrived in good condition. Samples were analyzed within the recommended method holding time of 30 days; all analysis was complete by 1/27/2022.
Method and field blank contamination	☑	☐	☐	The method blank was nondetect for all target analytes.
Surrogate spikes	☑	☐	☐	Surrogate spikes are not required for method TO-15 but were reported by the laboratory and were within control limits.
Matrix spikes/matrix spike duplicates (MS/MSD)	☐	☐	☑	Matrix spikes are not required for method TO-15.

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	☑	☐	☐	LCS was performed and all analytes were within control limits.
Other	☐	☐	☑	

Summary

Data is usable as reported by the laboratory. Laboratory presented analytical results in two units; as parts per billion volume (ppbv) and microgram per cubic meter (µg/m^3). No data qualifications were applied by the laboratory and none appear to be necessary.

DATA VERIFICATION REPORT

Prepared by: Farhana Rahman
Date: February 8, 2022
Site Name/Job Number: 31st and Prospect Site / 103Z65210190.08.03
Laboratory: Pace Analytical – Lenexa, KS
Data Package or SDG Number: 60390448
Sample Designations/Names:

SB-1-(7-8)	SB-1-(7-8)-FD	SB-1-(21-22)	SB-2-(19-20)	SB-2-(24-25)	SB-3-(21-22)
SB-3-(4-5)	SB-4-(11.5-12.5)	SB-4-(23-24)	FIELD BLANK-1	TRIP BLANK-1	

Matrices: Soil and aqueous
Analytical Parameters: Volatile organic compounds (VOCs) by Method 8260

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	☑	☐	☐	The chain of custody was completed appropriately.
Data package completeness	☑	☐	☐	Package contains all the required elements.
Sample preservation, storage, and holding times	☑	☐	☐	The samples were received on 1/11/2022; the samples arrived in good condition at 0.4° C. Samples were analyzed within the recommended method holding times; all analysis was complete by 1/18/2022. It should be noted that the Sample Condition Upon Receipt form indicated that there was headspace in the VOA vials; however, it did not specify which vials contained headspace.
Method and field blank contamination	☑	☐	☐	The field blank and trip blank were nondetect for all target analytes. The method blank for 2-butanone (MEK) had a detection above the method detection limit (MDL) but below the reporting limit (RL). The analyte was nondetect in the associated samples (FIELD BLANK-1 and TRIP BLANK-1). Therefore, no qualifications were applied.
Surrogate spikes	☑	☐	☐	Surrogate spikes were within acceptable limits.

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Matrix spikes/matrix spike duplicates (MS/MSD)	☐	☐	☑	MS/MSD analyses were not performed on the project samples in this analytical data package due to insufficient sample volume.
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	☑	☐	☐	LCS was performed and all analytes were within control limits, with the following exception: The LCS %R for 1,2,3-trichloropropane was below the lower acceptance limit. The analyte was not detected in the associated sample (SB-4-(23-24)); therefore, the analyte result in the sample was qualified as estimated, possibly biased low (flagged UJ-).
Other (Field duplicate evaluation)	☑	☐	☐	Samples SB-1-(7-8) and SB-1-(7-8)-FD: The majority of the analytes were not detected in the parent sample or field duplicate. Therefore, the relative percent difference (%RPD) did not apply to those analytes. The absolute difference between the two results for all analytes detected in at least one sample below reporting limit were within acceptance limits. Therefore, no additional qualifications were applied to the analytes in the field duplicate pair.

Summary

No rejection of data was required for this data package. The data can be used with the qualifications indicated in this checklist.

DATA VERIFICATION REPORT

Prepared by: Farhana Rahman
Date: February 8, 2022
Site Name/Job Number: 31st and Prospect Site / 103Z65210190.08.03
Laboratory: Pace Analytical – Lenexa, KS
Data Package or SDG Number: 60390654
Sample Designations/Names:

SB-5-(4-5)	SB-5-(19-20)	SB-6-(19-20)	SB-6-(22.5-23.5)	SB-7-(13.5-14.5)	SB-7-(19-20)
SB-8-(19-20)	SB-8-(23-24)	FIELD BLANK-2	FIELD BLANK-3	TRIP BLANK-2	SOIL-IDW

Matrices: Soil and aqueous
Analytical Parameters: Volatile organic compounds (VOCs) by Method 8260

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	☑	☐	☐	The chain of custody was completed appropriately. It should be noted that the sample IDs for Field Blank-2 and Field Blank-3 were identified as Feild Blank-2 and Feild Blank-3 in the data package due to typographical error.
Data package completeness	☑	☐	☐	Package contains all the required elements.
Sample preservation, storage, and holding times	☑	☐	☐	The samples were received on 1/13/2022; the samples arrived in good condition at 0.9° C. Samples were analyzed within the recommended method holding times; all analysis was complete by 1/19/2022. It should be noted that the Sample Condition Upon Receipt form indicated that there was headspace in the VOA vials; however, it did not specify which vials contained headspace.
Method and field blank contamination	☑	☐	☐	The field blanks, trip blank, and method blanks were nondetect for all target analytes.

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Surrogate spikes	☑	☐	☐	Surrogate spikes were within acceptable limits. It was noted that for sample SB-7(19-20), all analytes except tetrachloroethene (PCE) were analyzed on 1/18/22 and PCE was run on 1/19/22, but surrogates were not reported for the 1/18/22 run but reported for the 1/19/22 run. The laboratory verified that both surrogate runs passed QC limits.
Matrix spikes/matrix spike duplicates (MS/MSD)	☐	☐	☑	MS/MSD analyses were not performed on the project samples in this analytical data package due to insufficient sample volume.
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	☑	☐	☐	LCS was performed and all analytes were within control limits, with the following exceptions: The LCS % recovery (%R) for 1,2,3-trichloropropane was below the lower acceptance limits. The analyte was not detected in the associated samples - SB-5-(4-5), SB-5-(19-20), SB-6-(19-20), SB-6-(22.5-23.5), and SB-7-(13.5-14.5). Therefore, the analyte results in the samples were qualified as estimated, possibly biased low (flagged UJ). The LCS %R for 1,3-dichloropropane and tetrachloroethene were above the upper acceptance limit. 1,3-dichloropropane was not detected in the associated samples - SB-7-(19-20), SB-8-(19-20), and SB-8-(23-24). Therefore, no qualifications were applied for the results of 1,3-dichloropropane in these samples. Similarly, tetrachloroethene was not detected in samples SB-8-(19-20) and SB-8-(23-24) and therefore no qualifications were applied. The tetrachloroethene detection in sample SB-7-(19-20) was qualified as estimated, possibly biased high (flagged J+).
Other	☐	☐	☑	

Summary

No rejection of data was required for this data package. The data can be used with the qualifications indicated in this checklist.

DATA VERIFICATION REPORT

Prepared by: Farhana Rahman

Date: February 8, 2022

Site Name/Job Number: 31st and Prospect Site / 103Z65210190.08.03

Laboratory: Pace Analytical – Lenexa, KS

Data Package or SDG Number: 60390702

Sample Designations/Names:

FIELD BLANK - 4 GROUND WATER- IDW MW-1 MW-1-FD MW-2 MW-3 RINSATE BLANK TRIP BLANK-3

Matrices: Aqueous

Analytical Parameters: Volatile organic compounds (VOCs) by Method 8260

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	☑	☐	☐	The chain of custody was completed appropriately.
Data package completeness	☑	☐	☐	Package contains all the required elements.
Sample preservation, storage, and holding times	☑	☐	☐	The samples were received on 1/14/2022; the samples arrived in good condition at 8.9°C. It should be noted the samples were collected and received by the laboratory on the same day. The temperature of the samples did not have time to cool to below 6°C. Samples were analyzed within the recommended method holding times; all analysis was complete by 1/19/2022. No qualifications were applied for the elevated sample temperature issue.

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Method and field blank contamination	☑	☐	☐	The method blanks and trip blank were nondetect for all target analytes. The field blank had detection above the method detection limit (MDL) for 2-butanone (MEK) but below the reporting limit (RL). The analyte was detected below the RL in the associated samples - MW-1, MW-2, and MW-3. The analyte results in these samples were raised to the reporting limit and qualified as nondetect (flagged U). The analyte was detected at greater than the RL but less than 10X the field blank concentration in sample GROUND WATER-IDW and was qualified as estimated, with possible high bias (flagged J+). The rinsate blank associated with samples MW-2 and MW-3 had detection of acetone below the RL. The detection of acetone below the RL in sample MW-2 was raised to the RL and qualified as nondetect (flagged U). Acetone was detected at greater than the RL but less than 10X the rinsate blank concentration in sample MW-3 and was qualified as estimated, with possible high bias (flagged J+).
Surrogate spikes	☑	☐	☐	Surrogate spikes were within acceptable limits. It should be noted that surrogates were not reported for the diluted analyses of tetrachloroethene.
Matrix spikes/matrix spike duplicates (MS/MSD)	☐	☐	☑	MS/MSD analyses were not performed on the project samples in this analytical data package due to insufficient sample volume.
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	☑	☐	☐	LCS was performed and all analytes were within control limits.
Other (Field duplicate evaluation)	☑	☐	☐	Samples MW-1 and MW-1-FD: The relative percent difference (%RPD) were within acceptance limits. The absolute difference between the two results for all analytes detected in at least one sample below reporting limit were within acceptance limits. Therefore, no additional qualifications were applied to the analytes in the field duplicate pair.

Summary

No rejection of data was required for this data package. The data can be used with the qualifications indicated in this checklist.

APPENDIX E

PROPERTY PROFILE FORM

United States
ENVIRONMENTAL PROTECTION AGENCY
Washington, DC 20460

Form Approved
OMB Number No. 2050-0192
Expires 07-31-2012

PROPERTY PROFILE FORM—Brownfields

PART I- PROPERTY INFORMATION

COOPERATIVE AGREEMENT RECIPIENT INFORMATION

1. Cooperative Agreement Recipient Name (State/Tribe for Section 128(a) Cooperative Agreements; requestor/contractor for TBAs): 31st and Prospect Development Site

2. Cooperative Agreement Number (contract number for TBAs): 68HERH19D0018

3. What type of cooperative agreement funding is being used for this property?

- ☐ Assessment
- ☐ Section 128(a) – State and Tribal Response
- ☐ Revolving Loan Fund
- ☑ TBA (EPA Regions Only)
- ☐ Cleanup

4. For Assessment, Cleanup, and Revolving Loan Fund cooperative agreements, what type of funding is being used at this property?

- ☐ Hazardous Substance
- ☐ Petroleum
- ☑ Both

5a. Indicate if this form is the initial or Updated Form:

- ☑ Initial Form
- ☐ Updated Form

5b. If "Updated Form," what's the ACRES Property ID?

PROPERTY BACKGROUND INFORMATION

6. Property Name: 31st and Prospect Development Site

7a. Street Address: 2501, 2503, and 2505 East 30th Street; 3012 Prospect Avenue; and 3005, 3009, 3011, and 3015 Wabash Avenue

7b. City: Kansas City

7c. County: Jackson

7d. State: MO

7e. Zip code: 64130

8. Size (in acres): 1.06

9. Parcel Number(s):

STATE & TRIBAL BROWNFIELDS/VOLUNTARY RESPONSE PROGRAM INFORMATION

10. State & Tribal Program Enrollment (If the property is not enrolled in a state program, check Property Not Enrolled check box):

Date of Enrollment:

ID Number (if applicable):

☑ Property Not Enrolled in a State or Tribal Program

PROPERTY GEOGRAPHIC INFORMATION *(EPA Brownfields Program, or its contractors, will provide complete latitude/longitude information if cooperative agreement recipients are unable)*

11a. Latitude (use 00.000000 decimal degree format): 39.071081

11b. Longitude (use -000.000000 decimal degree format): -94.553162

11c. Horizontal Collection Method: Global Positioning Method- Unspecified Parameters

11d. Source Map Scale Number (Only if a map/photo was used):

11e. Reference Point (e.g., Center of Facility or Station): Other Point

11f. Horizontal Reference Datum (Choose one):

- ☐ NAD27-North American Datum of 1927
- ☑ WGS84-World Geodetic System of 1984
- ☐ NAD83-North American Datum of 1983

PART II- ENVIRONMENTAL ACTIVITIES

ENVIRONMENTAL ASSESSMENT INFORMATION *(mandatory for Assessment Cooperative Agreements, State & Tribal Property-Specific Assessments, and TBAs; as available for Cleanup and RLF cooperative agreement recipients; CA = Cooperative Agreement)*

Table A – Environmental Assessment Activity (If there are multiple assessments, please use a separate line for each assessment)

Environmental Assessment Detail			Source of Funding (enter one source of funding per line; do not include funding received prior to the award of this					Name of Entity Providing Funds	Amount of Funding Expended on this Activity
Activity	Start Date	Completion Date	This US EPA CA	Other Federal	State/Tribal (exclude §128(a) funds)	Local Gov't	Private/ Other		
Phase II			☐	☐	☐	☐	☐	U.S. EPA Region 7	
			☐	☐	☐	☐	☐		
			☐	☐	☐	☐	☐		

12. Indicate whether cleanup is required: ☑ Yes ☐ No ☐ Unknown

CONTAMINANTS & MEDIA AFFECTED INFORMATION *(mandatory for all cooperative agreement types)*

Table B - Contaminants and Media Affected (check all that apply):

Contaminants

Class of Contaminant	REC*	Found	Cleaned Up
Petroleum/Petroleum Products	☑	☑	☐
Controlled Substances	☑	☑	☐
Asbestos	☐	☐	☐
PCBs	☐	☐	☐
VOCs	☑	☑	☐
Lead	☐	☐	☐
Other Metals	☐	☐	☐
_____			
PAHs	☐	☐	☐
Other Contaminants	☐	☐	☐
_____			
No Contaminants	☐		
Unknown	☐		

Media

Media	Affected	Cleaned Up
Soil	☑	☐
Air	☑	☐
Surface Water	☐	☐
Ground Water	☑	☐
Drinking Water	☐	☐
Sediments	☐	☐
No Media Affected	☐	
Unknown	☐	

*REC = Recognized Environmental Conditions

ENVIRONMENTAL CLEANUP INFORMATION *(mandatory for Cleanup and RLF Cooperative Agreements and State & Tribal Property-Specific Cleanups; as available for Assessment Cooperative Agreements and TBAs)*

13. Cleanup Activity Start Date: _____

14. Cleanup Activity Completion Date: _____

15. Acres Cleaned Up: _____

16. Date No Further Action/Cleanup Completion Document Issued
(If the property was not enrolled in a state or tribal program, leave blank): Date: _____

17. Number of Cleanup Jobs Leveraged: _____

18. If EPA Brownfields funding was used, indicate the type and amount (If any non-EPA funding was used, fill out Table C):

Type	Amount	Type	Amount
☐ Cleanup Cooperative Agreement	_____	☐ RLF Subgrant	_____
☐ RLF Loan	_____ Date RLF Loan Signed _____	☐ Section 128(a) State/Tribal Cooperative Agreement	_____

Table C - Environmental Cleanup Leveraged Funding Detail

Source of Funding (enter one source of funding per line; do not include funding received prior to the award of this EPA Cooperative Agreement)				Name of Entity Providing Funds	Amount of Funding Expended on this Activity
Other Federal	State/Tribal (exclude §128(a) funds)	Local Gov't	Private/ Other		
☐	☐	☐	☐		
☐	☐	☐	☐		
☐	☐	☐	☐		

PART II- ENVIRONMENTAL ACTIVITIES (continued)

INSTITUTIONAL & ENGINEERING CONTROLS INFORMATION *(mandatory for all cooperative agreement types)*

19a. Indicate whether Institutional Controls are required: ☐ Yes ☐ No ☐ Unknown

19b. If Institutional Controls were required, indicate the category (check all that apply):

☐ Proprietary Controls (e.g., easements, covenants)

☐ Governmental Controls (e.g., zoning, building codes)

☐ Informational Devices (e.g., state registries, deed notices)

☐ Enforcement/Permit Tools (e.g., permits, consent decrees)

Additional Institutional Controls Information:

On August 1, 2005, the City of St. Louis approved an ordinance that prohibits the use or attempted use of groundwater as a potable water supply. On October 25, 2006, the City of St. Louis and MDNR entered into a memorandum of understanding.

Address of Data Source (URL if available): https://dnr.mo.gov/env/hwp/docs/StLouisGroundwaterMOU.pdf

19c. Indicate whether Institutional Controls in place: ☐ Yes ☐ No Date: _____

20a. Indicate whether Engineering Controls are required: ☐ Yes ☐ No ☐ Unknown

20b. If Engineering Controls were required, indicate the category (check all that apply):

☐ Cover Technologies (e.g., Capping)

☐ Immobilization Process (e.g., Encapsulation, In-Situ Solidification)

☐ Engineered Barriers (e.g., Slurry Walls, Sheet)

☐ Security (e.g., Guard, Fences)

☐ Other _____

Additional Engineering Controls Information:

Address of Data Source (URL if available): _____

20c. Indicate whether Engineering Controls in place: ☐ Yes ☐ No Date: _____

REDEVELOPMENT AND OTHER LEVERAGED ACCOMPLISHMENTS *(Mandatory for Assessment, Cleanup and RLF Cooperative Agreements; as available for State and Tribal Property Specific Activities and TBAs)*

21. Redevelopment Start Date: _____ **22.** Redevelopment Completion Date: _____

Table D- Redevelopment Leveraged Funding Detail

Source of Funding (enter one source of funding per line; do not include funding received prior to the award of this EPA Cooperative Agreement)					
Other Federal	State/Tribal	Local Gov't	Private/ Other	Name of Entity Providing Funds	Amount of Funding Expended on this Activity
☐	☐	☐	☐		
☐	☐	☐	☐		
☐	☐	☐	☐		
☐	☐	☐	☐		

23. Number of Redevelopment Jobs Leveraged: _____

24. Future Use and Estimated Acreage (check all that apply; For properties with multi-story buildings only, please indicate also the square footage for each type of reuse (e.g. a three story building with first floor commercial and remaining floors residential).

☐ Multi-story building

☑ Greenspace _____ acres _____ sq. ft.

☑ Commercial _____ acres _____ sq. ft.

☐ Industrial _____ acres _____ sq. ft.

☑ Residential _____ acres _____ sq. ft.

25. Actual Acreage(s) and Type(s) of Greenspace Created: 1.06

PART II- ENVIRONMENTAL ACTIVITIES (continued)

ANECDOTAL PROPERTY INFORMATION *(as available for all cooperative agreement types)*

26. Property Highlights:

The approximate 1.06-acre 31st and Prospect Development Site is in the east-central portion of Kansas City, Jackson County, Missouri. The Site has been developed since at least 1896 and has consisted of a mixed residential and commercial area, with Prospect Avenue as a commercial corridor and residential properties beyond to the west facing Wabash Avenue. A 5,000-square foot building was present on the 3012 Prospect Avenue property from at least 1951 to 2017, when it was demolished. Historically, commercial and retail businesses at that parcel included automobile service, filling stations, and dry cleaners. The site is currently owned by CRV LLC, represented by Sheryl Vickers.

PROPERTY PHOTOGRAPH INFORMATION

27. Indicate whether photographs are available: ☑ Yes ☐ No **28.** Indicate whether video is available: ☐ Yes ☑ No

PART III- ADDITIONAL PROPERTY INFORMATION

PROPERTY HISTORY INFORMATION

29. Property Description / History / Past Ownership:

See anecdotal property information above.

30. Predominant Past Use(s) (check all that apply; For properties with multi-story buildings only, please indicate also the square footage for each type of reuse (e.g. a three story building with first floor commercial and remaining floors residential):

☐ Multi-story building

☐ Greenspace _____ acres _____ sq. ft. ☑ Commercial _____ acres 5,000 sq. ft.

☑ Residential _____ acres _____ sq. ft. ☐ Industrial _____ acres _____ sq. ft.

OWNERSHIP & SUPERFUND LIABILITY *(Mandatory for Cleanup and RLF Cooperative Agreements)*

31a. Ownership Entity:

☐ Government (Tribal, State, Local) ☑ Private

31b. Current Owner:

CRV LLC, represented by Sheryl Vickers

32a. During the life of the cooperative agreement, did ownership change?

☐ Yes ☑ No

32b. If "yes," did Superfund federal landowner liability protections factor into the ownership change?

☐ Yes ☐ No ☐ Unknown

PART IV- APPROVALS

33. Cooperative Agreement Recipient Project Manager

Name (please print): Signature Date:

34. US EPA Regional Representative

Name (please print): Signature Date: