

Phase II Environmental Site Assessment Report

Kitelinger Property

Eleva, Wisconsin

USEPA BROWNFIELDS ASSESSMENT COALITION GRANTS
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Acronyms and Abbreviations

Bay West	Bay West LLC	REC	Recognized Environmental Condition
bgs.....	below ground surface	RCRA.....	Resource Conservation and Recovery Act
ESA	Environmental Site Assessment	SAP.....	Sampling and Analysis Plan
eV	electron-Volt	µg/kg	micrograms per kilogram
GPS	global positioning system	µg/L.....	micrograms per liter
IDW.....	investigation-derived waste	USEPA.....	U.S. Environmental Protection Agency
mg/kg.....	milligrams per kilogram	USCS	United Soil Classification System
MS/MSD	matrix spike/matrix spike duplicate	VEC	vapor encroachment concern
PID.....	photoionization detector	VOCs	Volatile Organic Compounds
PVC	Polyvinyl Chloride	WDNR.....	Wisconsin Department of Natural Resources
QAPP.....	Quality Assurance Project Plan		

EXECUTIVE SUMMARY

Bay West LLC (Bay West) completed a Phase II Environmental Site Assessment (ESA) on the Kitelinger Property site in Eleva, Wisconsin (the Site). The scope of the Phase II ESA was based on recognized environmental conditions (RECs) and vapor encroachment conditions (VECs) identified in a Phase I ESA completed for the Site by Bay West in June 2019. The RECs and VECs associated with the Site included:

- An historical gasoline release to soil has been documented on the Site that has not been investigated or subject to a risk evaluation; this represents a REC and a VEC for the Site.
- The potential for a release to the environment via the on-site septic system of chemicals associated with the historical taxidermy business represents a REC for the Site.

Bay West's Phase II ESA scope included advancing six soil borings (SB-1 through SB-6) to a depth of 12 feet below ground surface (bgs) near the former gasoline tank, the former dry well, and existing septic drain field. Soil samples were collected at a depth consistent with the depth of an underground storage tank basin and at the boring terminus for analysis of contaminants of concern related to the historical use of the property as a filling station and taxidermist.

Soil samples were analyzed for VOCs and RCRA metals with pesticide and formaldehyde analysis at SB-6. Soil sample laboratory results were compared to Wis. Admin. Code § NR 720 non-industrial direct contact residual contaminant levels (RCLs) and protection of groundwater RCLs. None of the analytes were detected at concentrations exceeding WDNR non-industrial direct contact RCLs or protection of groundwater RCLs, with the exception of arsenic detected at estimated concentrations above the protection of groundwater RCL in SB-1 (6-8) and SB-5 (6-8). The detections of arsenic are within typical background concentrations and are not considered to represent evidence of release at the Site.

Bay West collected groundwater samples from temporary monitoring wells at each of the six soil boring locations. Groundwater samples were analyzed for VOCs, total RCRA metals, with pesticide and formaldehyde analysis from groundwater collected at SB-6. Laboratory results of groundwater samples were compared to Wisconsin Administrative Code § NR 140 Enforcement Standards (ES) and Preventive Action Limits (PALs). The groundwater samples collected detected several VOCs and total RCRA metals at concentrations greater than their respective NR 140 PALs and/or ESs in one or more samples. The detected VOCs are likely related to the historical petroleum release at the Site, whereas the elevated metal detections are likely representative of the sample sediment load from being un-filtered rather than a release at the Site. Pesticides and formaldehyde were not detected above laboratory reporting limits in samples from SB-6.

Soil vapor samples were collected near the former gasoline tank and septic drain field for analysis of VOCs in order to assess potential vapor intrusion concerns. None of the analytes were detected at concentrations exceeding WDNR Sub-Slab Air Vapor Limits for residential or small commercial use.

1.0 INTRODUCTION

Bay West LLC (Bay West) has prepared this report to present the results of Phase II Environmental Site Assessment (ESA) activities completed on the Kitelinger Property (the Site) located in Eleva, Wisconsin. The activities presented in this report were completed in accordance with the Phase II ESA Sampling and Analysis Plan (SAP) submitted to the Wisconsin Department of Natural Resources (WDNR) dated October 1, 2019, and the approved programmatic Quality Assurance Project Plan (QAPP) developed to provide a quality assurance/quality control (QA/QC) framework for sites assessed through the WDNR Brownfields Assessment Coalition Grant. The WDNR, the grantee and lead coalition member, received a United States Environmental Protection Agency (USEPA) Grants BF-00E02021 and BF00E02369.

This report presents the results of the Phase II ESA activities and is organized as follows:

- Executive Summary
- Section 1 – Introduction
- Section 2 – Site Background and Objectives
- Section 3 – Scope and Rationale of Phase II Assessment
- Section 4 – Field Investigation Results
- Section 5 – Data Quality Assessment
- Section 6 – Conclusions
- Section 7 – Recommendations
- Section 8 – References

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2.0 SITE BACKGROUND AND OBJECTIVES

2.1 Site Background

The Site property is located at S10405 County Road HHI, Eleva, Eau Claire County, Wisconsin 54738 (**Figure 1**), and is approximately 0.17 acres in size. The Site is currently occupied by an approximately 2,000 square foot, two-story building (**Figure 2**).

Per the Eau Claire County Interactive Parcel Application Map, the parcel identification number (PID) for the Site is 1801822509012202002. The center of the Site is located at latitude 46.6814010° and longitude – 91.4269950°. The Site is located within the northwest quarter of the northwest quarter of Section 1, Township 25 North, Range 9 West.

The Site is predominantly flat with a slight gradient towards Pine Creek, located approximately 200 feet to the northeast. The topography of the surrounding area gently slopes northwest along Pine Creek to Lowes Creek. The surrounding area consists of residential and municipal properties. Specific adjacent property uses are described below:

North	Gravel parking lot, followed by a vacant single-story building.
South	Single-family residence, followed by the Town of Pleasant Valley Road Maintenance Department.
East	Undeveloped land along Pine Creek, followed by agricultural land.
West	County Road HHI, followed by Pleasant Valley Town Hall.

The Site is currently occupied with a mixed-use two-story building and landscaped areas. The first story of the building contains an active taxidermy business, and the second story contains two residential apartments.

Available historical information indicates the Site has been occupied by the building since the late 1920s. The building was first used as a general store and gasoline station and by 1975 was repurposed for a taxidermy business. A gasoline underground storage tank (UST) leak was reported at the Site (BRRTS# 03-18-171623) during removal of a 500-gallon tank in 1997. Soil samples following tank removal detected gasoline range organics (GRO) at concentrations above 100 milligrams per kilogram (mg/kg). No further investigation or remedial action has been performed to date, and the leak listing is listed as open.

According to the property owner, sanitary wastewater from the on-Site building is discharged to two 1,000-gallon septic tanks located on the east side of the Site. The owner noted that one 1,000-gallon septic tank and a dry well historically operated at the Site but were removed and replaced due to frequent backup. According to the Eau Claire City-County Health Department tank records, a 2,000-gallon septic holding tank was installed on the east side of the Site parcel.

In June 2019 Bay West conducted a Phase I ESA on the Site on behalf of the WDNR. Bay West's Phase I report, dated August 2019, identified the following RECs and VECs associated with the Site:

- A historical gasoline release to soil has been documented on the Site that has not been investigated or subject to a risk evaluation; this represents a REC and a VEC for the Site.

- The potential for a release to the environment via the on-site septic system of chemicals associated with the historical taxidermy business represents a REC for the Site.

No evidence of additional RECs at the Site were identified. However, the following observations made during the Site visit may require assessment prior to demolition of the structure:

- The presence of asbestos is suspected in building materials in the Site building; and
- PCBs may be present in the fluorescent light ballasts observed in the 1st floor ceiling of the Site building.

2.2 Phase II ESA Objectives

The primary objective of this Phase II ESA was to assess for the presence or absence of soil and groundwater contaminants potentially associated with the former gasoline UST and with the former dry well and existing septic drain field. Due to the reported petroleum release associated with the former gasoline UST, leaded gasoline impacts to soil and groundwater were believed to be present at the Site. Also, because the Site was utilized as a taxidermy business, there is the potential for a release of volatile organic compounds (VOCs) and other hazardous substances such as arsenic formaldehyde, and pesticides to the environment (soil and groundwater) via the former dry well and septic system.

Bay West developed a sampling design and protocol to provide aerial coverage of the assumed location of the former UST and the location of the former dry well and existing septic system to assess for contaminants of concern associated with the RECs and VECs identified in the Phase I ESA (Bay West, 2019a).

The scope and rationale of the phase II assessment sampling design are provided in **Section 3.0** and the field investigation results are provided in **Section 4.0**.

3.0 SCOPE AND RATIONALE OF PHASE II ASSESSMENT

The Phase I ESA (Bay West, 2019a) identified a historical gasoline release to soil as well as a potential for a release to the environment via the on-site septic system of chemicals associated with the historical taxidermy business. The potential for a release to the environment associated with improper disposal of elemental mercury, formaldehyde, or VOCs via the on-site septic system and the historical gasoline release represent RECs for the Site.

To assess these potential sources of contamination, Bay West completed one day of field sampling activities on October 16, 2019 that included the following scope of work:

- Advanced 6 soil borings (SB-1 through SB-6) to a depth of 12 feet bgs within and around the assumed location of the former UST, and one adjacent to the assumed location of the former dry well and existing septic system. The six boring locations were mapped on-site using a sub-meter global positioning system (GPS) and are depicted on **Figure 2**.
- Collected soil samples at each boring location continuously from the ground surface to the termination depth of the boring for field screening, soil classification, and laboratory analysis.
- Classified soil and logged the lithology at each boring location.
- Screened soil in the field for the presence of organic vapors using a photoionization detector (PID) by the ziplock bag headspace screening technique.
- Collected soil samples at each boring location from an assumed dry-well/septic drain field dispersion depth and shallow UST system depth of approximately 4 to 8 feet bgs for laboratory analysis of Resource Conservation and Recovery Act (RCRA) metals (including mercury), and VOCs, and select samples for formaldehyde.
- Collected at-depth soil samples from borings SB-1 through SB-4 and SB-6 just above the boring terminus to provide deep soil quality information. Submitted the deep soil samples for analysis of RCRA metals, VOCs, with SB-6 also analyzed for pesticides and formaldehyde. Both soil samples collected from SB-5 were collected at a shallower interval in order to capture elevated PID readings as compared to deeper intervals.
- Collected groundwater samples at each boring location for laboratory analysis of total RCRA metals and VOCs, with groundwater from SB-6 also analyzed for pesticides and formaldehyde. Groundwater samples were collected by advancing the direct push borings to the local water table depth and placing a temporary disposable polyvinyl chloride (PVC) well screen in the open boreholes.
- Advanced two soil vapor borings to 4 feet below grade and collected soil vapor samples between the building and the former UST (boring SV-1) and between the building and the existing septic system (boring SV-2). Although originally proposed to be collected at 9 feet, the elevated water table (~7.5 feet bgs) prevented sampling at depths below 7 feet. Both soil vapor samples were analyzed for VOCs. Soil vapor sample locations are depicted on **Figure 2**.

The rationale for the shallow soil sample depth of 4 to 8 feet bgs was to attempt to capture potential impacts at a horizon where impacts were most likely to have occurred. This depth range coincides with the dispersion depth of typical septic drain field systems and shallow UST systems. The at-depth soil sample was intended to assess the presence and/or vertical extent of potential soil impacts below the surface of the water table.

4.0 FIELD INVESTIGATION RESULTS

This section provides the results of the field investigation activities and includes a discussion of observed soil boring lithology, field screening observations and results, soil sample analytical results, and groundwater sample analytical results. Sample collection procedures followed the methods described in the approved SAP (Bay West, 2019b), the approved WDNR programmatic QAPP (Bay West, 2017), and applicable Bay West Standard Operating Procedures (attached as Appendix 1 to the programmatic QAPP).

Table 4-1 provides a summary of boring locations, sample matrices, sample depths, and analytes.

4.1 Soil Boring Lithology

Soil samples were collected at the Site using direct push technology and 5-foot long stainless-steel core samplers fitted with disposable acetate liners. The soil cores were advanced in 2-foot and 5-foot increments from the ground surface to the termination depth of the boring providing a continuous profile of the lithology of the Site.

The Bay West field technician logged each soil boring using the Unified Soil Classification System (USCS). Field observations were logged on boring log forms and included a depth profile, observed soil types, relative soil moisture content, depth to groundwater if observed, and information regarding the presence of fill material, debris, waste, or other relevant subsurface features or observations.

In general Site lithology consisted of fine-grained sediments (silty-sand to clay) from the surface to approximately 4 – 5 feet. Below the fine-grained surficial sediments, SB-1 and SB-5 were underlain by clay and silty-sand, respectively. The remaining borings were underlain by well-sorted fine to medium-grained sands at depths greater than 4 – 5 feet. Groundwater was encountered in each boring at depths of approximately 7 – 8 feet. A log for each boring completed at the Site is contained in **Appendix A**.

4.2 Field Screening Observations and Results

The Bay West field technician screened soil samples in the field for the presence of organic vapors using a PID equipped with a 10.6 electron volt lamp. Field screening was completed using the ziplock bag headspace technique. Headspace readings are presented on the boring logs contained in **Appendix A**.

Soil screening results indicated slightly-elevated PID readings in each of the soil borings, ranging from 7.9 ppm in SB-5 (0-2') to 23.2 ppm in SB-4 (10-12'). However, none of the elevated PID readings correlated visual or olfactory evidence of contamination noted in the field. Because of the lack of corresponding field indications of contamination (odors, staining, soil sheen), the baseline PID readings between 8 and 18 ppm are likely associated with elevated moisture in the soil or ambient air humidity.

4.3 Soil Sample Analytical Results

Bay West collected soil samples at each boring location for laboratory analysis of VOCs and RCRA metals and select soil samples were also analyzed for pesticides and formaldehyde (at boring SB-6 (4-6') and (10-12')).

Soil samples were collected at each boring at a predetermined depth interval between 4-6 feet with a second sample collected at each boring terminus of 10-12 feet. In order to analyze a relatively-elevated PID reading at SB-5, the deeper soil sample was collected at 6 to 8 feet bgs.

Bay West compared soil sample analytical results to the most recent Wisconsin DNR Remediation and Redevelopment Program non-industrial direct contact RCLs and protection of groundwater RCLs. Complete copies of the laboratory analytical reports are presented in **Appendix B**.

4.3.1 VOC Results

Soil samples were collected at each boring location for analysis of VOCs. VOC results are presented in **Table 4-2**. Two samples were collected at every boring location ranging at 2-foot depth intervals between 4 – 12 feet.

VOCs were not detected in the twelve soil samples analyzed at concentrations exceeding the laboratory reporting limits with the following exceptions:

- 1,2,4-trimethylbenzene was detected in SB-5 (4-6) at a concentration of 70.7 micrograms per kilogram ($\mu\text{g}/\text{kg}$); and
- n-propylbenzene was detected in SB-5 (4-6) at a concentration of 133 $\mu\text{g}/\text{kg}$.

Neither 1,2,4-trimethylbenzene or n-propylbenzene were detected in the soil samples analyzed exceeding their WDNR non-industrial RCLs of 219,000 $\mu\text{g}/\text{kg}$ and 264,000 $\mu\text{g}/\text{kg}$, respectively. WDNR protection of groundwater RCLs have not been established for 1,2,4-trimethylbenzene and n-propylbenzene.

4.3.2 Metals Results

Soil samples were collected at each boring location for analysis of metals. Metals results are presented in **Table 4-3**.

Various metals were detected in each of the twelve soil samples analyzed; however, the concentrations were within typical background ranges for each metal and none were detected exceeding WDNR non-industrial RCLs or protection of groundwater RCLs, with the following exception:

- Arsenic was detected in SB-1 (6-8) and SB-5 (6-8) at estimated concentrations of 3.5 and 3.3 $\mu\text{g}/\text{kg}$, above the groundwater RCL of 0.584 $\mu\text{g}/\text{kg}$ but below the non-industrial RCL of 8 $\mu\text{g}/\text{kg}$. However, these results are still considered to be within typical background concentrations for arsenic based on studies in the Conterminous United States (Smith et al., 2013).

4.3.3 Pesticides Results

Soil samples were collected at boring SB-6 (4-6' and 10-12') for pesticide analysis. Results of the analysis are presented in **Table 4-4**.

Pesticides were not detected in the two samples analyzed at concentrations exceeding the laboratory reporting limits.

4.3.4 Formaldehyde Results

Soil samples were collected at boring SB-6 (4-6' and 10-12') for formaldehyde analysis. Results of the analysis are presented in **Table 4-5**.

Formaldehyde was detected in sample SB-6 (10-12') at a concentration of 2 milligrams per kilogram (mg/kg), below the protection of groundwater RCL of 404.2 mg/kg and the non-industrial RCL of 24.2 mg/kg .

4.4 Groundwater Sample Analytical Results

Bay West collected groundwater samples at each of the five boring locations for analysis of VOCs and dissolved RCRA metals. Groundwater samples were also analyzed for pesticides and formaldehyde from samples collected at SB-6.

Groundwater was observed at depths ranging from 6.9 feet at SB-4, to 8.1 feet at SB-1. The groundwater samples were collected in the open boreholes by setting temporary 5-foot sections of 1-inch diameter PVC slotted screens intersecting the water table between 7 – 12 feet. The groundwater samples were collected using a peristaltic pump equipped with dedicated disposal polyethylene tubing. The groundwater samples were submitted for laboratory analysis of VOCs and total RCRA metals, with samples from SB-6 also analyzed for pesticides and formaldehyde. Bay West compared groundwater sample analytical results to the most recent Wisconsin DNR drinking water and groundwater quality standards, NR 140 Enforcement Standards (ES) and preventive action limits (PALs) dated May 2017. A complete copy of the laboratory report is presented in **Appendix B**.

Results of the groundwater sample analysis are summarized in **Table 4-6** (VOCs), **Table 4-7** (metals), **Table 4-8** (pesticides), and **Table 4-9** (formaldehyde).

4.4.1 VOC Results

Results of the groundwater sample analysis did not indicate the presence of VOCs at concentrations exceeding their respective NR 140 action levels, with exception to the following:

- Methylene chloride was detected in the trip blank at an estimated concentration of 1.5 micrograms per liter ($\mu\text{g/L}$), above the NR 140 PAL of 0.5 $\mu\text{g/L}$ but below the NR 140 ES of 5 $\mu\text{g/L}$.
- m&p xylene was detected in SB-5 at a concentration of 9 $\mu\text{g/L}$, above the NR 140 ES of 2 $\mu\text{g/L}$.
- o-xylene was detected in SB-5 at a concentration of 4.4 $\mu\text{g/L}$, above the NR 140 ES of 2 $\mu\text{g/L}$.

The VOCs 1,2,4-trimethylbenzene, ethylbenzene, naphthalene, toluene, and n-propylbenzene were detected in SB-5 and acetone was detected in SB-6, all at concentrations below their respective NR 140 ESs and PALs. The remaining VOCs analyzed for were not detected at concentrations above their respective laboratory reporting limits.

4.4.2 Metals Results

Various metals were detected in each of the groundwater samples analyzed at concentrations exceeding their respective NR 140 PALs or ESs:

- Arsenic was detected above the NR 140 ES of 10 $\mu\text{g/L}$ in each sample at concentrations ranging from 10.7 $\mu\text{g/L}$ (estimated) to 106 $\mu\text{g/L}$ (estimated).
- Barium was detected above the NR 140 PAL of 400 $\mu\text{g/L}$ in SB-1, SB-3, SB-4, and SB-6 at concentrations ranging from 671 $\mu\text{g/L}$ to 1,640 $\mu\text{g/L}$.
- Cadmium was detected above the NR 140 PAL of 0.5 $\mu\text{g/L}$ in SB-3 and SB-4 at concentrations of 2.1 $\mu\text{g/L}$ (estimated) and 2.0 $\mu\text{g/L}$ (estimated), respectively.
- Chromium was detected above the NR 140 PAL of 10 $\mu\text{g/L}$ in SB-2 (80.7 $\mu\text{g/L}$) and above the NR 140 ES of 100 $\mu\text{g/L}$ in the remaining samples at concentrations ranging from 125 $\mu\text{g/L}$ to 734 $\mu\text{g/L}$.
- Lead was detected above the NR 140 ES of 15 $\mu\text{g/L}$ in each sample at concentrations ranging from 25.9 $\mu\text{g/L}$ to 188 $\mu\text{g/L}$.

- Mercury was detected above the NR 140 PAL of 0.2 µg/L in samples SB-1, SB-3, SB-5, and SB-6 at concentrations ranging from 0.29 µg/L to 0.86 µg/L.

Groundwater samples for metals were not field-filtered and represent total concentrations. Bay West believes – based on the absence of corresponding elevated metal detections in soil – that these metal detections may be artificially elevated and not representative of the condition of the groundwater itself; rather representing the metals concentrations of sediment-laden groundwater prior to well development or filtration. One or more metals detected in SB-1-GW and SB-4-GW were flagged by the laboratory for dilution due to the presence of high levels of non-target analytes or other matrix interference. Detected metal concentrations in both SB-1-GW and SB-4-GW were also elevated with respect to the remaining groundwater samples.

The remaining detections of the aforementioned metals were below their respective NR 140 PALs or ESs or not detected above the laboratory reporting limits.

Selenium and silver were not detected at concentrations above their respective laboratory reporting limits in any of the submitted samples.

4.4.3 Pesticide results

Formaldehyde was not detected exceeding the laboratory reporting limit in the sample collected at SB-6.

4.4.4 Formaldehyde results

Formaldehyde was not detected exceeding the laboratory reporting limit in the sample collected at SB-6.

4.5 Soil Vapor Analytical Results

Bay West collected soil vapor samples at two locations (SV-1 and SV-2) for analysis of VOCs. Samples were collected from temporary soil vapor sampling points set at approximately 4 feet.

Soil vapor results were compared to their respective WDNR Sub-Slab Air Vapor Limits for Residential and Small Commercial property uses. A complete copy of the laboratory report is presented in **Appendix B**. Results of the soil vapor VOC sample analysis are summarized in **Table 4-10**.

Seventeen unique VOCs were detected in one or both samples at concentrations above their respective laboratory reporting limits or at estimated concentrations below their reporting limits but below their respective Sub-Slab Air Vapor Limits. The remaining VOCs analyzed for were not detected at estimated or confirmed concentrations above their respective reporting limits.

4.6 Investigation Derived Waste

Soil cuttings generated during drilling activities were minimal due to the direct push soil coring methodology. Soil remaining following analytical sampling was returned to the borehole or thin-spread on the ground surface at the boring location.

Groundwater sampling did not generate excess purge water.

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

5.0 DATA QUALITY ASSESSMENT

The Level 2 data package was reviewed to ensure it contained the data required in the deliverable. This included checking the data package for results of each analyte requested for each field sample submitted in the analytical batch, along with requested QC documentation for the method. The data package was complete.

In accordance with the programmatic QAPP (Bay West, 2017), Bay West collected field duplicate samples for analysis using identical recovery techniques and treated in an identical manner during storage, transportation, and analysis. Field duplicate samples were collected at a frequency of 1 per 20 samples per matrix and analyte.

Matrix spike/matrix spike duplicate (MS/MSDs) samples were performed by the laboratory on batch specific basis per method requirements per matrix per analyte and were evaluated if determined to be site specific. Trip blanks were included in the coolers containing VOC analysis. Field equipment rinsate blanks were not collected because all disposable sampling equipment was used.

Any reported positive detection value >DL and <RL is in the estimated range of quantitation and was therefore reported as an estimation "J" for analysis. Non-detects soil results for VOC analysis were reported on a wet weight basis. Detects were reported on a dry weight basis.

Preservation and Holding Times: Results were qualified estimated during data validation due to a holding time exceedance of the collection to preparatory timeline for the formaldehyde analysis for sample SB-6 GW (40200111001). The preparatory to analysis timeline was within specified holding times. The formaldehyde result for sample SB-6 GW was qualified "UJ" as estimated non-detect due to the exceeded hold time. In addition, the temperature receipt of 7.0 °C for sample delivery group (SDG) 40200111 was just above criteria of 0-6°C. All samples within this SDG were qualified estimated "J" or "UJ" for formaldehyde based on this outlier.

Calibration: The continuing calibration for SDG 10501021 (VOC air samples) was outside of acceptance limits for bromoform and the results may be biased high. All associated air samples were qualified estimated "J" or "UJ" for bromoform based on this outlier. No other calibration deficiencies were noted in the laboratory narratives for all other analysis.

Method and Trip Blank: All associated method blanks were non-detect for all analyses performed and all batch runs. Methylene chloride, a common laboratory contaminant, was detected in the trip blank associated with the aqueous sample

s; however, all of the aqueous samples were non-detect for this compound and no further qualification was required based on this outlier.

MS/MSD: The formaldehyde MS recovery was below the QC limits for soil sample SB-6 (4-6) (40200111002) and was qualified estimated "UJ" based on the low recovery. All other MS/MSD recoveries were acceptable for all appropriate analyses performed and all batch runs.

LCS: The formaldehyde LCS (blank spike) recovery was below the QC limits for associated samples SB-6 GW (40200111001), SB-6 (4-6) (40200111002), SB-6 (10-12) (40200111003), and Dup -SS (40200111004) and were qualified estimated "J" or "UJ" based on the low recovery. All other LCS recoveries were acceptable for all analyses performed and all batch runs.

Surrogates: Surrogate recoveries were acceptable for all VOC and pesticide analyses performed and all batch runs. No further qualification was required.

Laboratory Duplicates: The air VOC lab duplicate RPD was above the QC limits for air sample DUP (Lab ID: 3491364) for chloromethane; however, was on a non-site sample. No further qualification was required.

Field Duplicates: The following samples were collected as field duplicate pairs: (1) SB-6 (10-12) (10501017004) and Dup-5S (10501017005) and (2) SB-5-GW (10500999005) and Dup-GW (10500999007). The RPDs were within acceptance criteria of $\leq 50\%$ for soils and $\leq 35\%$ for groundwater; except for the following.

- The RPD for lead (RPD=114%) was outside acceptance criteria in field duplicates SB-5-GW (10500999005) and Dup-GW (10500999007) and was qualified "J" for the field duplicate pair based on this outlier.

Initial and continuing calibrations, surrogates, internal standards, QC blanks, LCS/LCSD, serial dilutions, endrin/DDT breakdown check samples, ICS, S/SD, MS/MSD, and field duplicates performed as applicable with resulting percent recoveries, %Ds, or RPDs demonstrated an overall acceptable level of accuracy and precision was achieved. In addition, completeness, defined to be the percentage of analytical results to be usable, including estimated values, was 100 percent for noted sample delivery group. All validation elements were acceptable and the data, as qualified, are acceptable and usable for their intended use.

6.0 CONCLUSIONS

The Phase II ESA completed on the Kitelinger Property consisted of advancing six soil borings to address the RECs/VECs identified in the Phase I ESA previously completed at the Site. Soil samples were collected at the near-surface (4 to 8 feet bgs) and/or directly above the boring terminus (10 to 12 feet bgs) for analysis of contaminants of concern related to the historical use of the property as a gasoline filling station and a taxidermist.

6.1 Lithology

Site lithology consisted of fine-grained sediments to depths of up to 5 feet bgs in each boring, with fine-grained sediments continuing at depth in borings SB-1 and SB-5; well-sorted fine to medium-grained sands were encountered in the remaining borings at depths up to 12 feet bgs.

Field screening was completed using the ziplock bag headspace technique. None of the soil samples screened in the field exhibited organic vapors readings exceeding background. Visual and/or olfactory evidence of contamination were not observed in any of the soil boring samples.

6.2 Soil Analytical Results

Soil samples were analyzed for VOCs and RCRA metals with pesticide and formaldehyde analysis at SB-6. None of the analytes were detected at concentrations exceeding WDNR non-industrial direct contact or protection of groundwater RCLs, except for arsenic detected at estimated concentrations above the protection of groundwater RCL in SB-1 (6-8) and SB-5 (6-8). The detections of arsenic are within typical background concentrations and are not considered to represent evidence of release at the Site.

6.3 Groundwater Analytical Results

Bay West collected groundwater samples at the six boring locations on site. Groundwater samples were analyzed for VOCs and dissolved RCRA metals, with samples from SB-6 also analyzed for pesticides and formaldehyde.

The groundwater samples collected detected several VOCs and total RCRA metals at concentrations greater than their respective NR 140 PALs and/or ESs in one or more samples. None of the four borings (SB-1 through SB-4) completed at the former UST basin contained petroleum-related VOCs. The source of the xylenes detected in groundwater at SB-5 is unknown; this location appears to be side-gradient from the former UST basin and there is no obvious source of petroleum contamination in the area.

The elevated metal detections are likely representative of the sample sediment load from being un-filtered rather than a release at the site. Pesticides and formaldehyde were not detected above laboratory reporting limits in samples from SB-6.

6.4 Soil Vapor Analytical Results

Soil vapor samples were collected near the former gasoline UST and septic drain field for analysis of VOCs in order to assess potential vapor intrusion concerns. None of the analytes were detected at concentrations exceeding WDNR Sub-Slab Air Vapor Limits for residential or small commercial use.



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Geologist

7.0 REFERENCES

- Bay West LLC (Bay West), 2017. U.S. Environmental Protection Agency, Hazardous Substances and Petroleum. Wisconsin Department of Natural Resources, Wisconsin DNR Brownfields Program, Quality Assurance Project Plan, August.
- Bay West, 2019a. Phase I Environmental Site Assessment, Kitelinger Property, Eleva, WI. August 5.
- Bay West, 2019b. Phase II Environmental Site Assessment Sampling and Analysis Plan, Kitelinger Property, Eleva, WI. October 1.
- David B. Smith, William F. Cannon, Laurel G. Woodruff, Federico Solano, James E. Kilburn, and David L. Fey, 2013. Geochemical and Mineralogical Data for Soils of the Conterminous United States, United States Geological Survey (USGS) Data Series 801.

Tables

**Table 4-1
Sampling Summary**

Boring ID	Rationale	Matrix	Depth (ft)	Analysis
SB-1	Assess shallow soil quality at the assumed location of former UST	Soil	~6-8	RCRA metals, VOCs
	Assess at-depth soil quality at the assumed location of former UST	Soil	~10-12	RCRA metals, VOCs
	Assess groundwater quality at the assumed location of former UST	Water	~10-12	Dissolved RCRA metals, VOCs
SB-2	Assess shallow soil quality east of assumed location of former UST	Soil	~6-8	RCRA metals, VOCs
	Assess at-depth soil quality east of assumed location of former UST	Soil	~10-12	RCRA metals, VOCs
	Assess groundwater quality east of assumed location of former UST if impacts observed at SB-1	Water	~10-12	Dissolved RCRA metals, VOCs
SB-3	Assess shallow soil quality north of assumed location of former UST	Soil	~6-8	RCRA metals, VOCs
	Assess at-depth soil quality north of assumed location of former UST	Soil	~10-12	RCRA metals, VOCs
	Assess groundwater quality north of assumed location of former UST if impacts observed at SB-1	Water	~10-12	Dissolved RCRA metals, VOCs
SB-4	Assess shallow soil quality west of assumed location of former UST	Soil	~6-8	RCRA metals, VOCs
	Assess at-depth soil quality west of assumed location of former UST	Soil	~10-12	RCRA metals, VOCs
	Assess groundwater quality west of assumed location of former UST if impacts observed at SB-1	Water	~10-12	Dissolved RCRA metals, VOCs
SB-5	Assess shallow soil quality south of assumed location of former UST	Soil	~4-6	RCRA metals, VOCs
	Assess at-depth soil quality south of assumed location of former UST	Soil	~6-8	RCRA metals, VOCs
	Assess groundwater quality south of assumed location of former UST if impacts observed at SB-1	Water	~10-12	Dissolved RCRA metals, VOCs
SB-6	Assess shallow soil quality near assumed inlet location of the former and existing septic system	Soil	~4-6	RCRA metals, VOCs, formaldehyde, pesticides, pH
	Assess at-depth soil quality near assumed inlet location of the former and existing septic system	Soil	~10-12	RCRA metals, VOCs, formaldehyde, pesticides, pH
	Assess groundwater quality near assumed inlet location of the former and existing septic system	Water	~10-12	Dissolved RCRA metals, VOCs, formaldehyde, pesticides, pH
SV-1	Assess soil vapor quality between the building and the assumed location of the former UST	Soil Vapor	~4	VOCs
SV-2	Assess soil vapor quality between the building and the assumed location of the existing septic system	Soil Vapor	~4	VOCs

**Table 4-3
Soil Sample Analytical Results - Metals**

Parameter	SB-1 (6-8)	DQ	SB-1 (10-12)	DQ	SB-2 (6-8)	DQ	SB-2 (10-12)	DQ	SB-3 (6-8)	DQ	SB-3 (10-12)	DQ	SB-4 (6-8)	DQ	SB-4 (10-12)	DQ	SB-5 (4-6)	DQ	SB-5 (6-8)	DQ	Dup- 5S	DQ	SB-6 (4-6)	DQ	SB-6 (10-12)	DQ	WDNR Non-Ind RCL	WDNR RCL- gw
Arsenic	3.5	J	<5.4		<5.5		<5.2		<5.1		<6.1		<5.0		<5.6		<5.2		3.3	J	<5.3		<5.2		<5.8		8*	0.584
Barium	44.6		5.8		10.7		6.9		7.4		6.7		8.7		6.8		12.6		11.4		8.1		10		7.2		364*	164.8
Cadmium	<0.61		<0.55		<0.56		<0.53		<0.52		<0.63		<0.52		<0.57		<0.54		<0.59		<0.55		<0.53		<0.59		71.1	0.752
Chromium	17.8		2.1		3.9		2.8		2.8		2.7		3.7		2.4		4.7		6.1		2.2		3.6		2.3		100,000	360,000
Lead	7		0.94	J	1.5	J	0.96	J	1.1	J	1.2	J	1.5	J	0.96	J	4.7		23.2		1.1	J	1.1	J	1.4	J	400	27
Selenium	<5.3		<4.8		<4.9		<4.6		<4.5		<5.5		<4.5		<5.0		<4.7		<5.2		<4.8		<4.6		<5.2		391	0.52
Silver	<1.2		<1.1		<1.1		<1.1		<1.0		<1.3		<1.0		<1.1		<1.1		<1.2		<1.1		<1.1		<1.2		391	0.8491
Mercury	0.036	J	<0.040		<0.040		<0.039		<0.036		<0.044		<0.038		<0.039		<0.037		<0.041		<0.036		<0.036		<0.041		3.13	0.208

Concentrations reported in milligrams per kilogram (mg/kg).

Depths in feet below ground surface

WDNR Non-Ind RCL: Wisconsin Department of Natural Resources Non-Industrial Residual Contaminant Level

*: Background threshold value

Red shading indicates exceedance of WDNR RCL

Orange shading indicates exceedance of WDNR protection of groundwater RCL (default dilution factor of 2).

<: Less than laboratory reporting limit as noted.

DQ: Bay West Data Review Qualifier

J: Positive result with the value as estimated.

NE: Not established

**Table 4-4
Soil Sample Analytical Results - Pesticides**

Parameter	Dup-5S	DQ	SB-6 (4-6)	DQ	SB-6 (10-12)	DQ	WDNR Non-Ind RCL	WDNR RCL-gw
4,4'-DDD	<1.2		<5.8		<1.2		2020	NE
4,4'-DDE	<0.95		<4.7		<0.98		1430	NE
4,4'-DDT	<3.5		<17.3		<3.6		1720	NE
Aldrin	<2.0		<10.0		<2.1		29	NE
Chlordane (Technical)	<16.6		<82.8		<17.1		NE	NE
Dieldrin	<1.2		<6.1		<1.3		30	NE
Endosulfan I	<0.57		<2.9		<0.59		NE	NE
Endosulfan II	<4.9		<24.6		<5.1		NE	NE
Endosulfan sulfate	<3.5		<17.3		<3.6		NE	NE
Endrin	<1.1		<5.7		<1.2		18300	162
Endrin aldehyde	<4.0		<19.8		<4.1		NE	NE
Endrin ketone	<4.4		<21.7		<4.5		NE	NE
Heptachlor	<2.6		<12.8		<2.6		108	66.2
Heptachlor epoxide	<0.60		<3.0		<0.62		53	8.2
Methoxychlor	<9.6		<47.9		<9.9		306000	4320
Toxaphene	<30.2		<151		<31.2		441	928
alpha-BHC	<0.46		<2.3		<0.48		77	NE
alpha-Chlordane	<0.52		<2.6		<0.53		NE	NE
beta-BHC	<0.85		<4.3		<0.88		270	NE
delta-BHC	<0.53		<2.6		<0.54		NE	NE
gamma-BHC (Lindane)	<0.54		<2.7		<0.56		516	2.3
gamma-Chlordane	<1.5		<7.3		<1.5		NE	NE

Concentrations reported in milligrams per kilogram (mg/kg).

Depths in feet below ground surface

WDNR Non-Ind RCL: Wisconsin Department of Natural Resources Non-Industrial Residual Contaminant Level

*: Background threshold value

Red shading indicates exceedance of WDNR RCL

Orange shading indicates exceedance of WDNR protection of groundwater RCL (default dilution factor of 2).

<: Less than laboratory reporting limit as noted.

DQ: Bay West Data Review Qualifier

NE: Not established

**Table 4-5
Soil Sample Analytical Results - Formaldehyde**

Parameter	Dup-SS	DQ	SB-6 (4-6)	DQ	SB-6 (10-12)	DQ	WDNR Non- Ind RCL	WDNR RCL-gw
Formaldehyde	2	J	<3	UJ	2	J	24.2	404.2

Concentrations reported in milligrams per kilogram (mg/kg).

Depths in feet below ground surface

WDNR Non-Ind RCL: Wisconsin Department of Natural Resources Non-Industrial Residual Contaminant Level

*: RCL is the lower of the cancer vs. non-cancer endpoint

Red shading indicates exceedance of WDNR RCL

Orange shading indicates exceedance of WDNR protection of groundwater RCL (default dilution factor of 2).

<: Less than laboratory reporting limit as noted.

DQ: Bay West Data Review Qualifier

J: Positive result with the value as estimated.

UJ: Non-detection with the value estimated.

Table 4-6
Groundwater Sample Analytical Results - VOCs

Parameter	SB-1-GW	DQ	SB-2-GW	DQ	SB-3-GW	DQ	SB-4-GW	DQ	SB-5-GW	DQ	SB-6-GW	DQ	Dup-GW	DQ	TRIP BLANK	DQ	NR 140 ES	NR 140 PAL
1,1,1,2-Tetrachloroethane	<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		70	7
1,1,1-Trichloroethane	<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		200	40
1,1,2,2-Tetrachloroethane	<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		0.2	0.2
1,1,2-Trichloroethane	<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		5	0.5
1,1,2-Trichlorotrifluoroethane	<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		NE	NE
1,1-Dichloroethane	<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		850	85
1,1-Dichloroethene	<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		7	0.7
1,1-Dichloropropene	<1.8		<1.8		<1.8		<1.8		<1.8		<1.8		<1.8		<1.8		NE	NE
1,2,3-Trichlorobenzene	<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		NE	NE
1,2,3-Trichloropropane	<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		60	12
1,2,4-Trichlorobenzene	<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		70	14
1,2,4-Trimethylbenzene	<2.8		<2.8		<2.8		<2.8		2.9		<2.8		<2.8		<2.8		480	96
1,2-Dibromo-3-chloropropane	<5.9		<5.9		<5.9		<5.9		<5.9		<5.9		<5.9		<5.9		0.2	0.02
1,2-Dibromoethane (EDB)	<2.8		<2.8		<2.8		<2.8		<2.8		<2.8		<2.8		<2.8		0.05	0.005
1,2-Dichlorobenzene	<2.4		<2.4		<2.4		<2.4		<2.4		<2.4		<2.4		<2.4		600	60
1,2-Dichloroethane	<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		5	0.5
1,2-Dichloropropane	<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		5	0.5
1,3,5-Trimethylbenzene	<2.9		<2.9		<2.9		<2.9		<2.9		<2.9		<2.9		<2.9		480	96
1,3-Dichlorobenzene	<2.1		<2.1		<2.1		<2.1		<2.1		<2.1		<2.1		<2.1		600	120
1,3-Dichloropropane	<2.8		<2.8		<2.8		<2.8		<2.8		<2.8		<2.8		<2.8		NE	NE
1,4-Dichlorobenzene	<3.1		<3.1		<3.1		<3.1		<3.1		<3.1		<3.1		<3.1		75	15
2,2-Dichloropropane	<7.6		<7.6		<7.6		<7.6		<7.6		<7.6		<7.6		<7.6		NE	NE
2-Butanone (MEK)	<20.0		<20.0		<20.0		<20.0		<20.0		<20.0		<20.0		<20.0		NE	NE
2-Chlorotoluene	<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		NE	NE
4-Chlorotoluene	<2.5		<2.5		<2.5		<2.5		<2.5		<2.5		<2.5		<2.5		NE	NE
4-Methyl-2-pentanone (MIBK)	<5.1		<5.1		<5.1		<5.1		<5.1		<5.1		<5.1		<5.1		NE	NE
Acetone	<20.0		<20.0		<20.0		<20.0		<20.0		3.4	J	<20.0		<20.0		NE	NE
Allyl chloride	<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		NE	NE
Benzene	<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		5	0.5
Bromobenzene	<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		NE	NE
Bromochloromethane	<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		NE	NE
Bromodichloromethane	<1.2		<1.2		<1.2		<1.2		<1.2		<1.2		<1.2		<1.2		0.6	0.06
Bromoform	<13.2		<13.2		<13.2		<13.2		<13.2		<13.2		<13.2		<13.2		4.4	0.44
Bromomethane	<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		10	1
Carbon tetrachloride	<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		5	0.5
Chlorobenzene	<2.4		<2.4		<2.4		<2.4		<2.4		<2.4		<2.4		<2.4		100	20
Chloroethane	<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		400	80
Chloroform	<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		6	0.6
Chloromethane	<7.3		<7.3		<7.3		<7.3		<7.3		<7.3		<7.3		<7.3		30	3
Dibromochloromethane	<8.7		<8.7		<8.7		<8.7		<8.7		<8.7		<8.7		<8.7		60	6
Dibromomethane	<3.1		<3.1		<3.1		<3.1		<3.1		<3.1		<3.1		<3.1		NE	NE
Dichlorodifluoromethane	<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		1000	200
Dichlorofluoromethane	<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		NE	NE
Diethyl ether (Ethyl ether)	<5.1		<5.1		<5.1		<5.1		<5.1		<5.1		<5.1		<5.1		NE	NE
Ethylbenzene	<1.0		<1.0		<1.0		<1.0		3.4		<1.0		<1.0		<1.0		700	140
Hexachloro-1,3-butadiene	<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		NE	NE
Isopropylbenzene (Cumene)	<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		NE	NE
Methyl-tert-butyl ether	<4.2		<4.2		<4.2		<4.2		<4.2		<4.2		<4.2		<4.2		60	12
Methylene Chloride	<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		1.5	J	5	0.5
Naphthalene	<5.0		<5.0		<5.0		<5.0		1.5	J	<5.0		<5.0		<5.0		100	10
Styrene	<1.6		<1.6		<1.6		<1.6		<1.6		<1.6		<1.6		<1.6		100	10
Tetrachloroethene	<1.1		<1.1		<1.1		<1.1		<1.1		<1.1		<1.1		<1.1		5	0.5
Tetrahydrofuran	<20.0		<20.0		<20.0		<20.0		<20.0		<20.0		<20.0		<20.0		NE	NE
Toluene	<5.0		<5.0		<5.0		<5.0		5.2		<5.0		<5.0		<5.0		800	160
Trichloroethene	<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		5	0.5
Trichlorofluoromethane	<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		3490	698
Vinyl chloride	<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		0.2	0.02
cis-1,2-Dichloroethene	<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		70	7
cis-1,3-Dichloropropene	<12.1		<12.1		<12.1		<12.1		<12.1		<12.1		<12.1		<12.1		0.4	0.04
m&p-Xylene	<2.0		<2.0		<2.0		<2.0		9		<2.0		<2.0		<2.0		2	0.4
n-Butylbenzene	<2.4		<2.4		<2.4		<2.4		<2.4		<2.4		<2.4		<2.4		NE	NE
n-Propylbenzene	<5.0		<5.0		<5.0		<5.0		1	J	<5.0		<5.0		<5.0		NE	NE
o-Xylene	<1.0		<1.0		<1.0		<1.0		4.4		<1.0		<1.0		<1.0		2	0.4
p-Isopropyltoluene	<2.7		<2.7		<2.7		<2.7		<2.7		<2.7		<2.7		<2.7		NE	NE
sec-Butylbenzene	<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		<5.0		NE	NE
tert-Butylbenzene	<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		NE	NE
trans-1,2-Dichloroethene	<3.6		<3.6		<3.6		<3.6		<3.6		<3.6		<3.6		<3.6		100	20
trans-1,3-Dichloropropene	<14.6		<14.6		<14.6		<14.6		<14.6		<14.6		<14.6		<14.6		0.4	0.04

Concentrations reported in micrograms per liter (ug/L).

NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard

NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit

<: Less than laboratory reporting limit as noted.

DQ: Bay West Data Review Qualifier

NE: Not established

J: Positive result with the value as estimated.

UJ: Non-detection with the value estimated.

Red shading indicates exceedance of WDNR ES

Orange shading indicates exceedance of WDNR PAL

**Table 4-7
Groundwater Sample Analytical Results - Total Metals**

Parameter	SB-1-GW	DQ	SB-2-GW	DQ	SB-3-GW	DQ	SB-4-GW	DQ	SB-5-GW	DQ	SB-6-GW	DQ	Dup-GW	DQ	NR 140 ES	NR 140 PAL
Arsenic, dissolved	106	JD	10.7	J	40.0		88.1		21.9	J	50.2		<25.0		10	1
Barium, dissolved	1360	J	265		671		1640		351		725		353		2000	400
Cadmium, dissolved	<25.0	D	<5.0		2.1	J	2.0	J	<5.0		<5.0		<5.0		5	0.5
Chromium, dissolved	614		80.7		286		734		125		290		111		100	10
Lead, dissolved	164		25.9		66.4		188		121	J	86.1		32.8	J	15	1.5
Selenium, dissolved	<204	D	<40.8		<40.8		<81.6	D	<40.8		<40.8		<40.8		50	10
Silver, dissolved	<53.3	D	<10.7		<10.7		<10.7		<10.7		<10.7		<10.7		50	10
Mercury, dissolved	0.86		<0.28		0.33		0.79		0.13	J	0.29		0.12	J	2	0.2

Concentrations reported in micrograms per liter (ug/L).

NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard

NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit

<: Less than laboratory reporting limit as noted.

DQ: Bay West Data Review Qualifier

J: Positive result with the value as estimated.

D: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

NE: Not established

Red shading indicates exceedance of WDNR ES

Orange shading indicates exceedance of WDNR PAL

**Table 4-8
Groundwater Sample Analytical Results - Pesticides**

Parameter	SB-6-GW	DQ	NR 140 ES	NR 140 PAL
4,4'-DDD	<0.043		NE	NE
4,4'-DDE	<0.041		NE	NE
4,4'-DDT	<0.091		NE	NE
Aldrin	<0.034		NE	NE
Chlordane (Technical)	<0.38		NE	NE
Dieldrin	<0.030		NE	NE
Endosulfan I	<0.020		NE	NE
Endosulfan II	<0.033		NE	NE
Endosulfan sulfate	<0.037		NE	NE
Endrin	<0.039		2	0.4
Endrin aldehyde	<0.041		NE	NE
Endrin ketone	<0.099		NE	NE
Heptachlor	<0.037		0.4	0.04
Heptachlor epoxide	<0.016		0.2	0.02
Methoxychlor	<0.50		40	4
Toxaphene	<0.75		3	0.3
alpha-BHC	<0.016		NE	NE
alpha-Chlordane	<0.018		NE	NE
beta-BHC	<0.030		NE	NE
delta-BHC	<0.019		NE	NE
gamma-BHC (Lindane)	<0.016		0.2	0.02
gamma-Chlordane	<0.022		NE	NE

Concentrations reported in micrograms per liter (ug/L).

NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard

NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit

<: Less than laboratory reporting limit as noted.

DQ: Bay West Data Review Qualifier

NE: Not established

Red shading indicates exceedance of WDNR ES

Orange shading indicates exceedance of WDNR PAL

**Table 4-9
Groundwater Sample Analytical Results - Formaldehyde**

Parameter	SB-6-GW	DQ	NR 140 ES	NR 140 PAL
Formaldehyde	<0.14	UJ	10	1

Concentrations reported in milligrams per liter (mg/L).

NR 140 ES: Wisconsin Administrative Code NR 140 Enforcement Standard

NR 140 PAL: Wisconsin Administrative Code NR 140 Preventive Action Limit

<: Less than laboratory reporting limit as noted.

DQ: Bay West Data Review Qualifier

Red shading indicates exceedance of WDNR ES

Orange shading indicates exceedance of WDNR PAL

UJ: Non-detection with the value estimated.

Table 4-10
Soil Vapor Sample Analytical Results - VOCs

Parameter	SV-1	DQ	SV-2	DQ	WDNR S-S AVLs: Residential	WDNR S-S AVLs: Small Commercial
1,1,1-Trichloroethane	<1.5		<1.5		170000	730000
1,1,2,2-Tetrachloroethane	<1.9		<1.9		NE	NE
1,1,2-Trichloroethane	<0.77		<0.77		NE	NE
1,1,2-Trichlorotrifluoroethane	<2.2		<2.2		NE	NE
1,1-Dichloroethane	<1.1		<1.1		600	2600
1,1-Dichloroethene	<1.1		<1.1		7000	29000
1,2,4-Trichlorobenzene	<10.5		<10.5		NE	NE
1,2,4-Trimethylbenzene	<1.4		1.1	J	2100	8700
1,2-Dibromoethane (EDB)	<1.1		<1.1		NE	NE
1,2-Dichlorobenzene	<1.7		<1.7		NE	NE
1,2-Dichloroethane	<0.57		<0.57		37	160
1,2-Dichloropropane	<1.3		<1.3		NE	NE
1,3,5-Trimethylbenzene	<1.4		<1.4		2100	8700
1,3-Butadiene	<0.63		<0.63		NE	NE
1,3-Dichlorobenzene	<1.7		<1.7		NE	NE
1,4-Dichlorobenzene	<4.3		<4.3		NE	NE
2-Butanone (MEK)	2.6	J	6.1		NE	NE
2-Hexanone	<5.8		<5.8		NE	NE
2-Propanol	<3.5		1.5	J	NE	NE
4-Ethyltoluene	<3.5		<3.5		NE	NE
4-Methyl-2-pentanone (MIBK)	<5.8		<5.8		NE	NE
Acetone	10.2		8.9		NE	NE
Benzene	0.76		0.61		120	530
Benzyl chloride	<3.7		<3.7		NE	NE
Bromodichloromethane	<1.9		<1.9		NE	NE
Bromoform	<7.3	UJ	<7.3	UJ	NE	NE
Bromomethane	<1.1		<1.1		NE	NE
Carbon disulfide	0.34	J	<0.88		NE	NE
Carbon tetrachloride	<1.8		<1.8		160	670
Chlorobenzene	<1.3		<1.3		NE	NE
Chloroethane	<0.75		<0.75		NE	NE
Chloroform	<0.69		<0.69		40	180
Chloromethane	1		<0.58		3100	13000
Cyclohexane	<2.4		<2.4		NE	NE
Dibromochloromethane	<2.4		<2.4		NE	NE
Dichlorodifluoromethane	2.5		2.3		3300	15000
Dichlorotetrafluoroethane	<2.0		<2.0		NE	NE
Ethanol	2.1	J	2.6	J	NE	NE
Ethyl acetate	<1.0		<1.0		NE	NE
Ethylbenzene	0.48	J	<1.2		370	1600
Hexachloro-1,3-butadiene	<7.5		<7.5		NE	NE
Methyl-tert-butyl ether	<5.1		<5.1		3700	16000
Methylene Chloride	2.1	J	1.7	J	21000	87000
Naphthalene	<3.7		<3.7		28	120
Propylene	5.5		<0.49		NE	NE
Styrene	<1.2		<1.2		NE	NE
Tetrachloroethene	<0.96		<0.96		1400	6000
Tetrahydrofuran	<0.83		<0.83		NE	NE
Toluene	0.8	J	1.3		170000	730000
Trichloroethene	<0.76		<0.76		70	290
Trichlorofluoromethane	1.2	J	1.1	J	NE	NE
Vinyl acetate	<1.0		<1.0		NE	NE
Vinyl chloride	<0.36		<0.36		57	930
cis-1,2-Dichloroethene	<1.1		<1.1		NE	NE
cis-1,3-Dichloropropene	<1.3		<1.3		NE	NE
m&p-Xylene	2.3	J	1.2	J	NE	NE
n-Heptane	<1.2		1.1	J	NE	NE
n-Hexane	1.3		78.1		NE	NE
o-Xylene	0.86	J	<1.2		3300	15000
trans-1,2-Dichloroethene	<1.1		<1.1		NE	NE
trans-1,3-Dichloropropene	<1.3		<1.3		NE	NE

Concentrations reported in micrograms per cubic meter (ug/m³).

WDNR S-S AVLs: Wisconsin Department of Natural Resources Sub-Slab Air Vapor Limits

Red shading indicates exceedance of WDNR S-S AVL for residential property use

Orange shading indicates exceedance of WDNR S-S AVL for small commercial property use

<: Less than laboratory reporting limit as noted.

DQ: Bay West Data Review Qualifier

J: Positive result with the value as estimated.

UJ: Non-detection with the value estimated.

Figures

Y:\Clients\WISCONSIN_DEPT_OF_NATURAL_RESOURCES\Kitelinger_Property\MapDocs\U190928\001_Phase_II_ESAU190928 FIG 1 Site Location Map.mxd

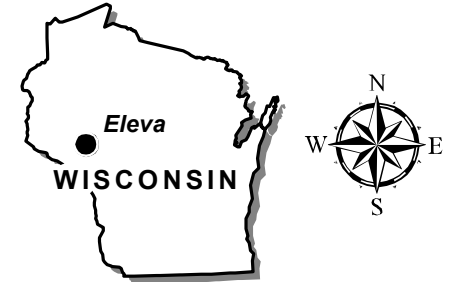


Figure 1

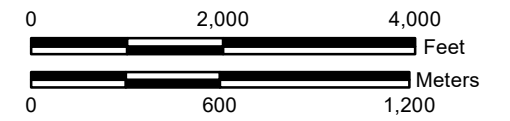
Site Location Map

Kitelinger Property

S10405 County Road I
Eleva, WI 54738



Map Projection: NAD 1983 UTM Zone 15N, Meters
Basemap: National Geographic Society, i-cubed



 Site Location



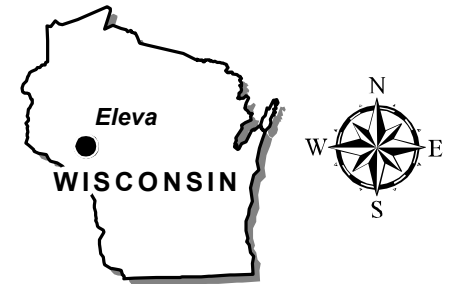


Figure 2

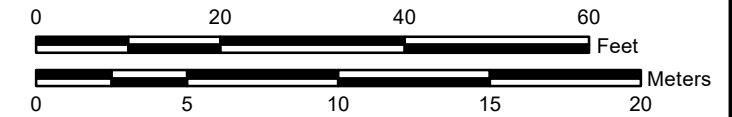
**Completed Boring
Location Map**






Kitelinger Property

S10405 County Road I
Eleva, WI 54738



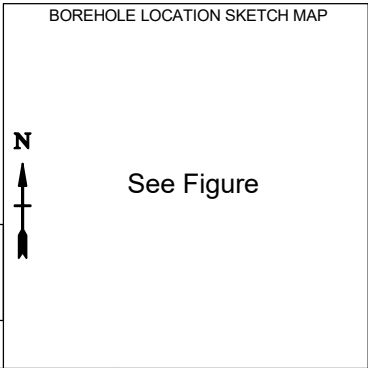
Map Projection: NAD 1983 UTM Zone 15N, Meters
Basemap: Google Earth Aerial Imagery, 2015



-  Approximate Location of Former 500 gallon UST
-  Completed Soil Boring Sample Location
-  Completed Soil Vapor Sample Location
-  Approximate Location of Existing Water Supply Well
-  Approximate Location of Existing Septic Tank

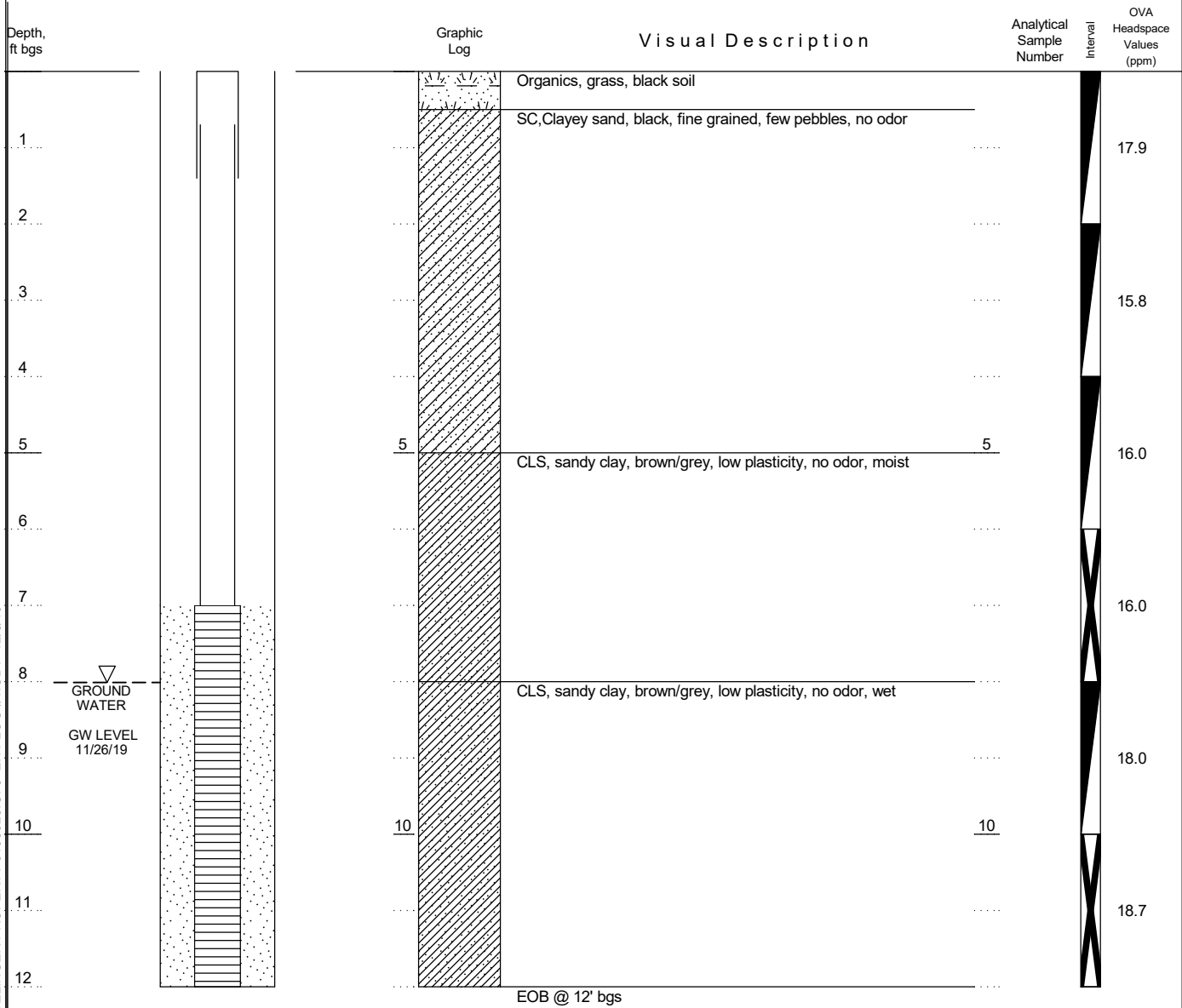


Appendix A
Boring Logs

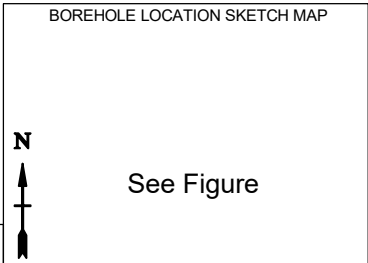


WELL CONSTRUCTION LOG

BOREHOLE NO. SB-1		PROJECT NO. / NAME J190928 / Kitelinger Property		LOCATION S10405 County Road HHI	
APPROVED BY Rick Van Allen		DRILLING CONTRACTOR / DRILLER Geiss Soil & Samples / Derrin & Keith		LOGGED BY C.Smith	
DRILLING EQUIPMENT / METHOD Geoprobe / Direct Push		SIZE / TYPE OF BIT 2 inch		SAMPLING METHOD Macrocore	
CASING MAT. / DIA. PVC / 1 inch		SCREEN: TYPE Temporary MAT PVC		TOTAL LENGTH 5 ft	
ELEVATION OF: (FT.)		GROUND SURFACE		TOP & BOTTOM SCREEN	
		TOP OF WELL CASING		GW SURFACE	
				GW DATE 11/26/19	
				START-FINISH DATE 11/26/19-11/26/19	

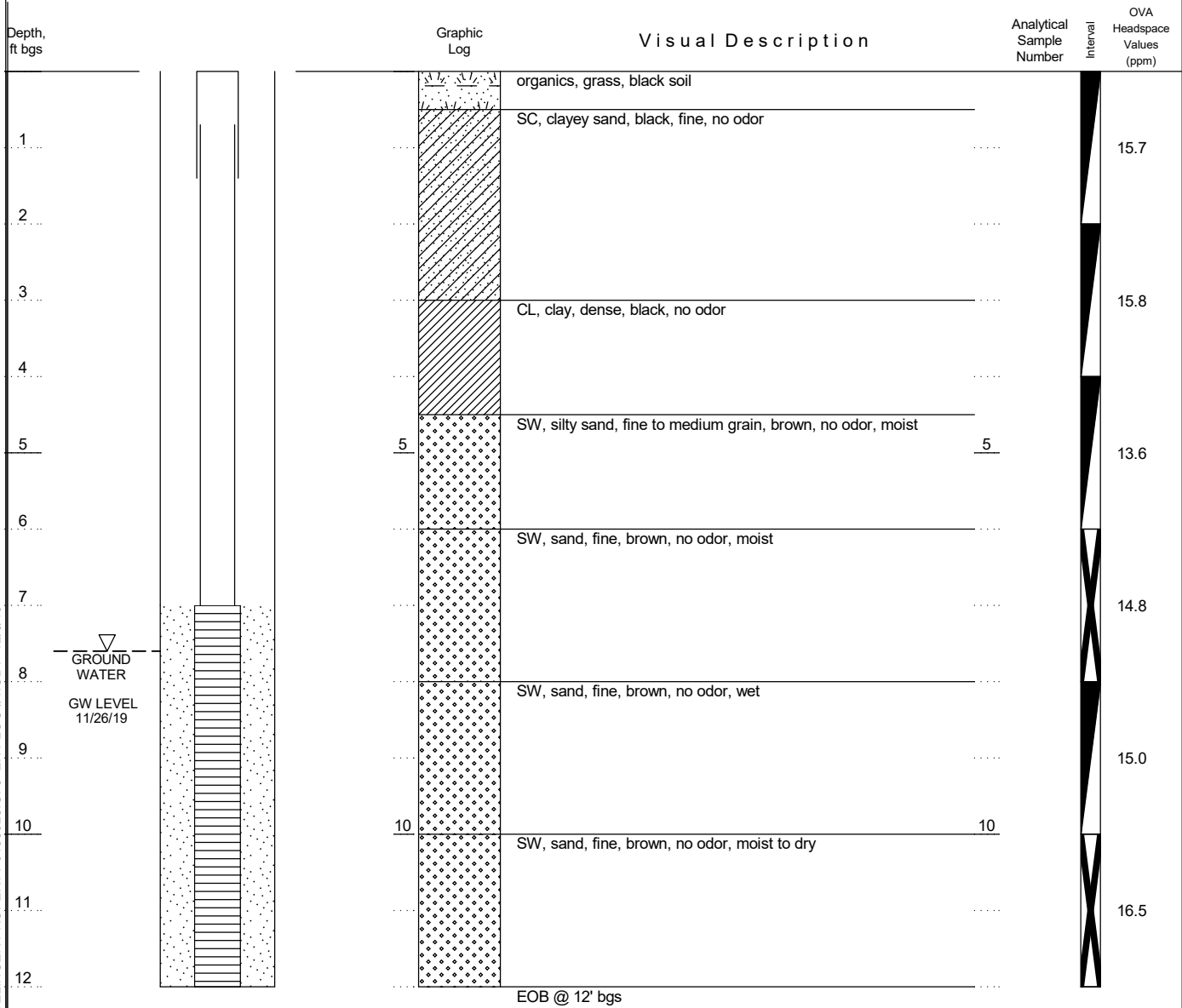


WELL CONSTRUCTION LOG KITELINGER PROPERTY J190928.GPJ ENV LOG #1.GDT 12/15/19

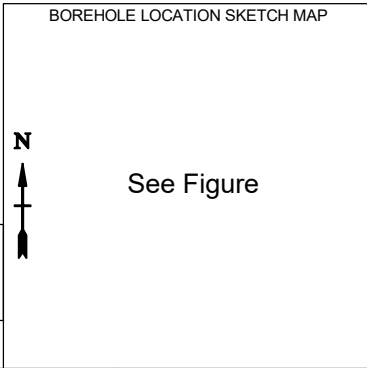


WELL CONSTRUCTION LOG

BOREHOLE NO. SB-2		LOCATION S10405 County Road HHI	
PROJECT NO. / NAME J190928 / Kitelinger Property		LOGGED BY C.Smith	
APPROVED BY Rick Van Allen		Eleva, WI	
DRILLING CONTRACTOR / DRILLER Geiss Soil & Samples / Derrin & Keith		SIZE / TYPE OF BIT 2 inch	
DRILLING EQUIPMENT / METHOD Geoprobe / Direct Push		SAMPLING METHOD Macrocore	START-FINISH DATE 11/26/19-11/26/19
CASING MAT. / DIA. PVC / 1 inch	SCREEN: TYPE Temporary MAT PVC	TOTAL LENGTH 5 ft	DIA. 1 inch SLOT SIZE
ELEVATION OF: (FT.)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN
			GW SURFACE
			GW DATE 11/26/19



WELL CONSTRUCTION LOG KITELINGER PROPERTY J190928.GPJ ENV LOG #1.GDT 12/5/19



WELL CONSTRUCTION LOG

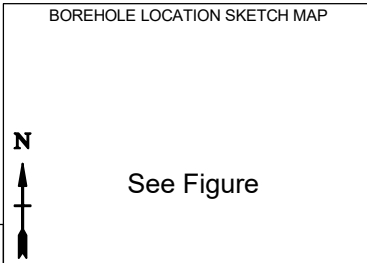
BOREHOLE NO. SB-3		PROJECT NO. / NAME J190928 / Kitelinger Property		LOCATION S10405 County Road HHI	
APPROVED BY Rick Van Allen		DRILLING CONTRACTOR / DRILLER Geiss Soil & Samples / Derrin & Keith		LOGGED BY C.Smith	
DRILLING EQUIPMENT / METHOD Geoprobe / Direct Push		SIZE / TYPE OF BIT 2 inch		SAMPLING METHOD Macrocore	
CASING MAT. / DIA. PVC / 1 inch		SCREEN: TYPE Temporary MAT PVC		TOTAL LENGTH 5 ft	
ELEVATION OF: GROUND SURFACE		TOP OF WELL CASING		TOP & BOTTOM SCREEN	
(FT.)		/		GW SURFACE	
				GW DATE 11/26/19	
				START-FINISH DATE 11/26/19-11/26/19	

Depth, ft bgs	Graphic Log	Visual Description	Analytical Sample Number	Interval	OVA Headspace Values (ppm)
1		organics, grass, black soil			
2		SC, clayey sand, fine, black, few pebbles, no odor			13.3
3					
4		CL, clay, dense, black, no odor			14.5
5		SW, sand, fine, brown, no odor, moist	5		15.8
6					
7					
8		SW, sand, fine, brown, no odor, wet			16.7
9					
10		SW, sand, fine brown, no odor, moist to dry	10		16.2
11					
12					18.7

Ground Water Level: 11/26/19

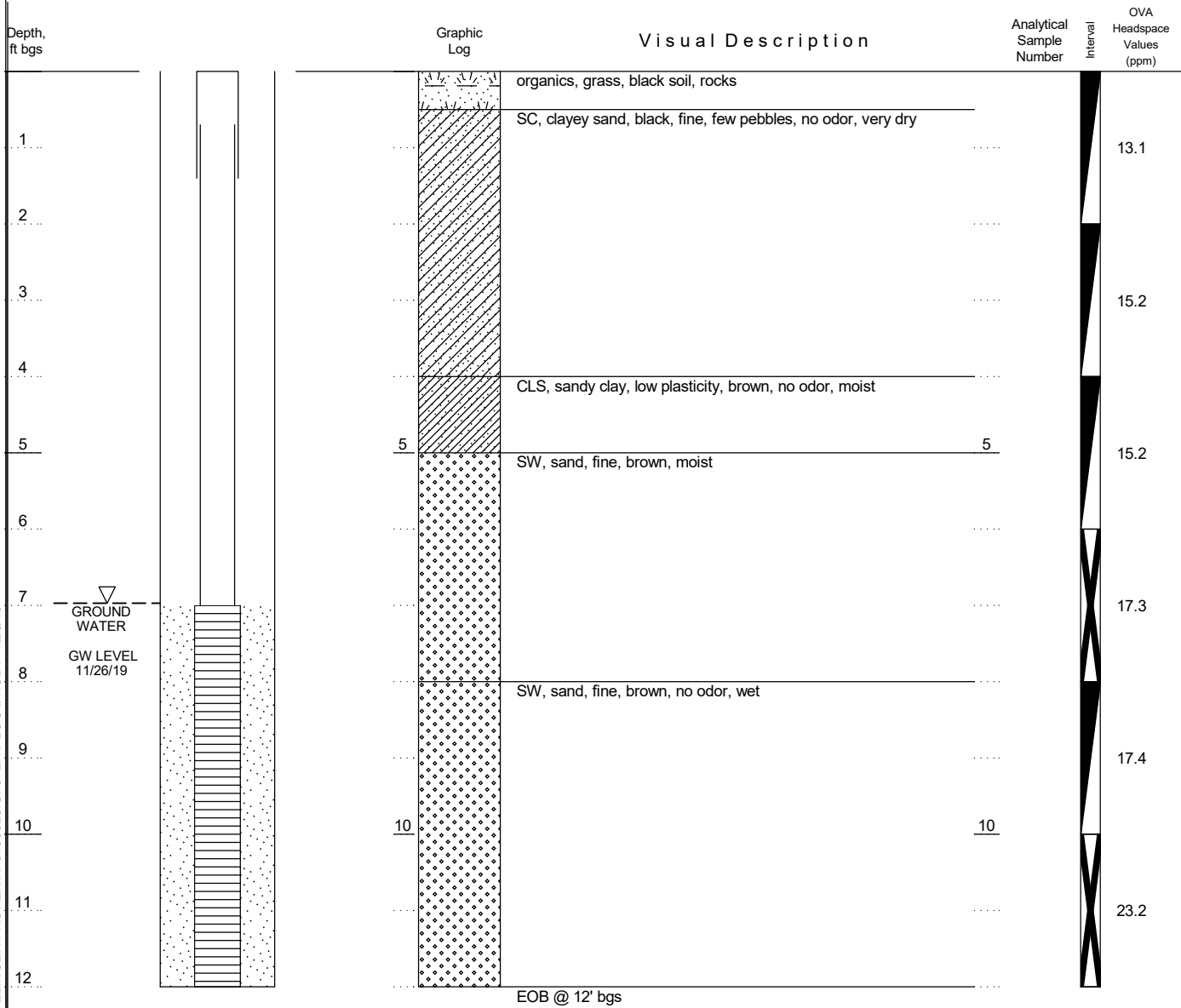
EOB @ 12' bgs

WELL CONSTRUCTION LOG KITELINGER PROPERTY J190928.GPJ ENV LOG #1.GDT 12/15/19

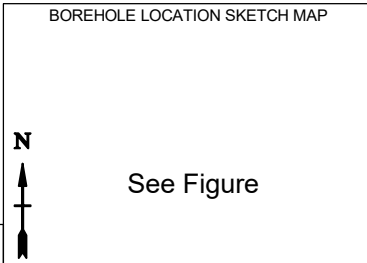


WELL CONSTRUCTION LOG

BOREHOLE NO. SB-4		LOCATION S10405 County Road HHI	
PROJECT NO. / NAME J190928 / Kitelinger Property		LOGGED BY C.Smith	
APPROVED BY Rick Van Allen		Eleva, WI	
DRILLING CONTRACTOR / DRILLER Geiss Soil & Samples / Derrin & Keith		SIZE / TYPE OF BIT 2 inch	
DRILLING EQUIPMENT / METHOD Geoprobe / Direct Push		SAMPLING METHOD Macrocore	START-FINISH DATE 11/26/19-11/26/19
CASING MAT. / DIA. PVC / 1 inch	SCREEN: TYPE Temporary MAT PVC	TOTAL LENGTH 5 ft	DIA. 1 inch SLOT SIZE
ELEVATION OF: (FT.)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN
			GW SURFACE
			GW DATE 11/26/19

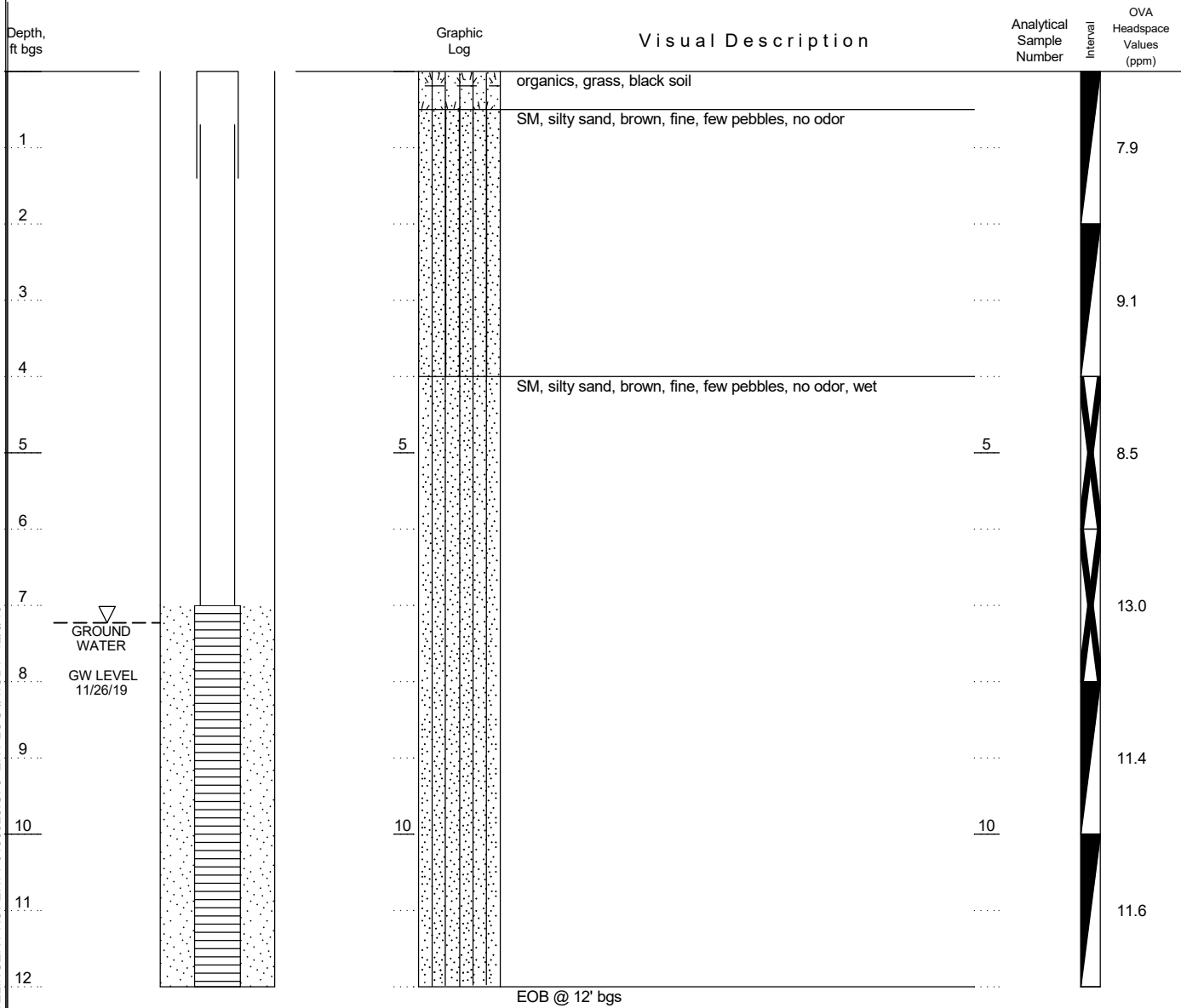


WELL CONSTRUCTION LOG KITELINGER PROPERTY J190928.GPJ ENV LOG #1.GDT 12/5/19

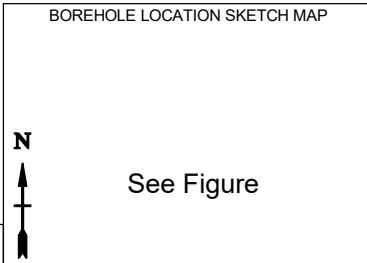


WELL CONSTRUCTION LOG

BOREHOLE NO. SB-5		LOCATION S10405 County Road HHI	
PROJECT NO. / NAME J190928 / Kitelinger Property		LOGGED BY C.Smith	
APPROVED BY Rick Van Allen		Eleva, WI	
DRILLING CONTRACTOR / DRILLER Geiss Soil & Samples / Derrin & Keith		SIZE / TYPE OF BIT 2 inch	
DRILLING EQUIPMENT / METHOD Geoprobe / Direct Push		SAMPLING METHOD Macrocore	START-FINISH DATE 11/26/19-11/26/19
CASING MAT. / DIA. PVC / 1 inch	SCREEN: TYPE Temporary MAT PVC	TOTAL LENGTH 5 ft	DIA. 1 inch SLOT SIZE
ELEVATION OF: (FT.)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN
			GW SURFACE
			GW DATE 11/26/19

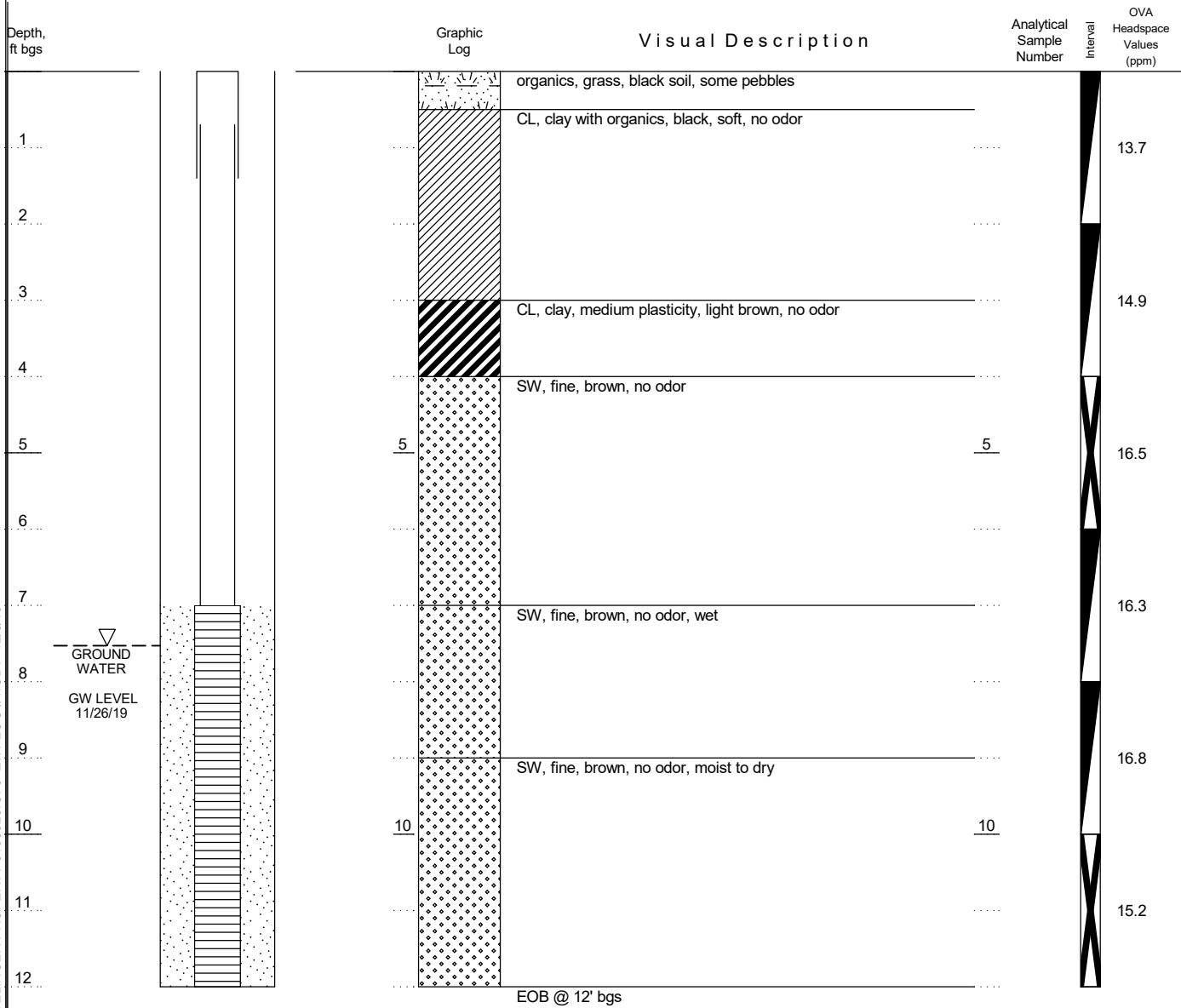


WELL CONSTRUCTION LOG KITELINGER PROPERTY J190928.GPJ ENV LOG #1.GDT 12/5/19



WELL CONSTRUCTION LOG

BOREHOLE NO. SB-6		LOCATION S10405 County Road HHI	
PROJECT NO. / NAME J190928 / Kitelinger Property		LOGGED BY C.Smith	
APPROVED BY Rick Van Allen		Eleva, WI	
DRILLING CONTRACTOR / DRILLER Geiss Soil & Samples / Derrin & Keith		SIZE / TYPE OF BIT 2 inch	
DRILLING EQUIPMENT / METHOD Geoprobe / Direct Push		SAMPLING METHOD Macrocore	START-FINISH DATE 11/26/19-11/26/19
CASING MAT. / DIA. PVC / 1 inch	SCREEN: TYPE Temporary MAT PVC	TOTAL LENGTH 5 ft	DIA. 1 inch SLOT SIZE
ELEVATION OF: (FT.)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN
			GW SURFACE
			GW DATE 11/26/19



WELL CONSTRUCTION LOG KITELINGER PROPERTY J190928.GPJ ENV LOG #1.GDT 12/5/19

SOIL GAS SAMPLING DATA SHEET

Site Information			
PROJECT NAME:	<u>Kitelinger Property</u>		
PROJECT NUMBER:	<u>J190928</u>		
Property Address:	<u>S 10405 County Road HH</u>		
Property Owner Name:	<u>Jennifer Meyer / Town of Pleasant Valley</u>		
Property Owner Phone # :	<u>715-878-4645</u>		
Property Type:	<u>Vacant lot with adjoining apartment and taxidermist building</u>		
Installation Information			
	# 1	# 2	
Sample depth:	<u>4'</u>	<u>4'</u>	
Surface soil:	<u>Sod / organic</u>	<u>Sod / organic</u>	
Soil type at sampling depth:	<u>clayey-sand (SC)</u>	<u>sand (SW)</u>	
Type of soil gas sampling point:	<u>GeoProbe PRT™</u>	<u>GeoProbe PRT™</u>	
Type of Sub-slab vapor point: installed: Cox Colvin® Vapor Pin	<u>Brass or Stainless Steel</u>	<u>Brass or Stainless Steel</u>	
Hydrated bentonite annular seal			
surrounding sampling rods?:	<u>Yes</u>	<u>Yes</u>	
Sample Train Volume:	<u>190</u> ml	<u>190</u> ml	
Sample Train Volume Purged:	<u>480</u> ml	<u>480</u> ml	
Purge Method:	<u>Syringe</u>	<u>Syringe</u>	
	<u>(2.41 ml/ft of 1/8" OD tubing, 9.65 mL/ft of 1/4" OD tubing, 38.61 ml/ft of 3/8' OD tubing)</u>		
Sample Description			
	# 1	# 2	
Sample ID:	<u>SV-1</u>	<u>SV-2</u>	
Flow Gauge/Restrictor: <u>200 ml/min</u>		Flow Gauge/Restrictor: <u>200 ml/min</u>	
Canister Volume: <u>1 Liter</u>		Canister Volume: <u>1 Liter</u>	
Start up (or Grab) Sample		Start up (or Grab) Sample	
Date: <u>11/26/2019</u>		Date: <u>11/26/2019</u>	
Time: <u>10:11</u>		Time: <u>9:42</u>	
Vacuum Reading (in. of Hg) : <u>-27</u>		Vacuum Reading (in. of Hg) : <u>-30</u>	
End Sample		End Sample	
Date: <u>11/26/2019</u>		Date: <u>11/26/2019</u>	
Time: <u>10:16</u>		Time: <u>9:46</u>	
Vacuum Reading (in. of Hg) : <u>-3</u>		Vacuum Reading (in. of Hg) : <u>-2</u>	
Sampler(s): <u>CS / JC</u>		Sampler(s): <u>CS / JC</u>	
Canister # : <u>3651</u>		Canister # : <u>2132</u>	
Duration of Test: <u>5 minutes</u>		Duration of Test: <u>4 minutes</u>	
Analysis: <u>VOCs by EPA TO-15</u>		Analysis: <u>VOCs by EPA TO-15</u>	
Laboratory: <u>Pace Analytical of Minneapolis</u>		Laboratory: <u>Pace</u>	
Readings		Readings	
After Sample Collection: <u>0.4</u> PPM		After Sample Collection: <u>0.7</u> PPM	
Ambient Air: <u>0</u> PPM		Ambient Air: <u>0</u> PPM	
PFE <u>-3</u> pascals		PFE <u>-2</u> pascals	
Comments: _____			

Appendix B
Laboratory Reports

December 11, 2019

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

RE: Project: J190928 Kitelinger Property
Pace Project No.: 10501021

Dear Rick VanAllen:

Enclosed are the analytical results for sample(s) received by the laboratory on November 27, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Oyeyemi Odujole
oyeyemi.odujole@pacelabs.com
(612)607-6402
Project Manager

Enclosures

cc: Joe Erjavec, Bay West LLC
Trey Harsch, Bay West LLC
Jeff Smith, Pace Analytical Services, Inc



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: J190928 Kitelinger Property

Pace Project No.: 10501021

Pace Analytical Services Minneapolis

A2LA Certification #: 2926.01	Minnesota Dept of Ag Certification #: via MN 027-053-137
Alabama Certification #: 40770	Minnesota Petrofund Certification #: 1240
Alaska Contaminated Sites Certification #: 17-009	Mississippi Certification #: MN00064
Alaska DW Certification #: MN00064	Missouri Certification #: 10100
Arizona Certification #: AZ0014	Montana Certification #: CERT0092
Arkansas DW Certification #: MN00064	Nebraska Certification #: NE-OS-18-06
Arkansas WW Certification #: 88-0680	Nevada Certification #: MN00064
California Certification #: 2929	New Hampshire Certification #: 2081
CNMI Saipan Certification #: MP0003	New Jersey Certification #: MN002
Colorado Certification #: MN00064	New York Certification #: 11647
Connecticut Certification #: PH-0256	North Carolina DW Certification #: 27700
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137	North Carolina WW Certification #: 530
Florida Certification #: E87605	North Dakota Certification #: R-036
Georgia Certification #: 959	Ohio DW Certification #: 41244
Guam EPA Certification #: MN00064	Ohio VAP Certification #: CL101
Hawaii Certification #: MN00064	Oklahoma Certification #: 9507
Idaho Certification #: MN00064	Oregon Primary Certification #: MN300001
Illinois Certification #: 200011	Oregon Secondary Certification #: MN200001
Indiana Certification #: C-MN-01	Pennsylvania Certification #: 68-00563
Iowa Certification #: 368	Puerto Rico Certification #: MN00064
Kansas Certification #: E-10167	South Carolina Certification #: 74003001
Kentucky DW Certification #: 90062	Tennessee Certification #: TN02818
Kentucky WW Certification #: 90062	Texas Certification #: T104704192
Louisiana DEQ Certification #: 03086	Utah Certification #: MN00064
Louisiana DW Certification #: MN00064	Vermont Certification #: VT-027053137
Maine Certification #: MN00064	Virginia Certification #: 460163
Maryland Certification #: 322	Washington Certification #: C486
Massachusetts Certification #: M-MN064	West Virginia DEP Certification #: 382
Massachusetts DWP Certification #: via MN 027-053-137	West Virginia DW Certification #: 9952 C
Michigan Certification #: 9909	Wisconsin Certification #: 999407970
Minnesota Certification #: 027-053-137	Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: J190928 Kitelinger Property

Pace Project No.: 10501021

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10501021001	SV-1	Air	11/26/19 10:16	11/27/19 12:15
10501021002	SV-2	Air	11/26/19 09:46	11/27/19 12:15

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SAMPLE ANALYTE COUNT

Project: J190928 Kitelinger Property

Pace Project No.: 10501021

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10501021001	SV-1	TO-15	CH1	61
10501021002	SV-2	TO-15	CH1	61

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: J190928 Kitelinger Property

Pace Project No.: 10501021

Method: TO-15

Description: TO15 MSV AIR

Client: Bay West LLC

Date: December 11, 2019

General Information:

2 samples were analyzed for TO-15. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

QC Batch: 648835

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 3490452)
- Bromoform

Internal Standards:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 648835

R1: RPD value was outside control limits.

- DUP (Lab ID: 3491364)
- Chloromethane

Additional Comments:

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

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501021

Sample: SV-1 **Lab ID: 10501021001** Collected: 11/26/19 10:16 Received: 11/27/19 12:15 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	10.2	ug/m3	3.3	1.7	1.39		12/09/19 22:03	67-64-1	
Benzene	0.76	ug/m3	0.45	0.21	1.39		12/09/19 22:03	71-43-2	
Benzyl chloride	<3.7	ug/m3	3.7	1.7	1.39		12/09/19 22:03	100-44-7	
Bromodichloromethane	<1.9	ug/m3	1.9	0.51	1.39		12/09/19 22:03	75-27-4	
Bromoform	<7.3	ug/m3	7.3	2.0	1.39		12/09/19 22:03	75-25-2	
Bromomethane	<1.1	ug/m3	1.1	0.32	1.39		12/09/19 22:03	74-83-9	
1,3-Butadiene	<0.63	ug/m3	0.63	0.18	1.39		12/09/19 22:03	106-99-0	
2-Butanone (MEK)	2.6J	ug/m3	4.2	0.51	1.39		12/09/19 22:03	78-93-3	
Carbon disulfide	0.34J	ug/m3	0.88	0.30	1.39		12/09/19 22:03	75-15-0	
Carbon tetrachloride	<1.8	ug/m3	1.8	0.60	1.39		12/09/19 22:03	56-23-5	
Chlorobenzene	<1.3	ug/m3	1.3	0.38	1.39		12/09/19 22:03	108-90-7	
Chloroethane	<0.75	ug/m3	0.75	0.36	1.39		12/09/19 22:03	75-00-3	
Chloroform	<0.69	ug/m3	0.69	0.27	1.39		12/09/19 22:03	67-66-3	
Chloromethane	1.0	ug/m3	0.58	0.22	1.39		12/09/19 22:03	74-87-3	
Cyclohexane	<2.4	ug/m3	2.4	0.49	1.39		12/09/19 22:03	110-82-7	
Dibromochloromethane	<2.4	ug/m3	2.4	1.0	1.39		12/09/19 22:03	124-48-1	
1,2-Dibromoethane (EDB)	<1.1	ug/m3	1.1	0.51	1.39		12/09/19 22:03	106-93-4	
1,2-Dichlorobenzene	<1.7	ug/m3	1.7	0.69	1.39		12/09/19 22:03	95-50-1	
1,3-Dichlorobenzene	<1.7	ug/m3	1.7	0.81	1.39		12/09/19 22:03	541-73-1	
1,4-Dichlorobenzene	<4.3	ug/m3	4.3	1.4	1.39		12/09/19 22:03	106-46-7	
Dichlorodifluoromethane	2.5	ug/m3	1.4	0.41	1.39		12/09/19 22:03	75-71-8	
1,1-Dichloroethane	<1.1	ug/m3	1.1	0.31	1.39		12/09/19 22:03	75-34-3	
1,2-Dichloroethane	<0.57	ug/m3	0.57	0.21	1.39		12/09/19 22:03	107-06-2	
1,1-Dichloroethene	<1.1	ug/m3	1.1	0.38	1.39		12/09/19 22:03	75-35-4	
cis-1,2-Dichloroethene	<1.1	ug/m3	1.1	0.30	1.39		12/09/19 22:03	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/m3	1.1	0.40	1.39		12/09/19 22:03	156-60-5	
1,2-Dichloropropane	<1.3	ug/m3	1.3	0.32	1.39		12/09/19 22:03	78-87-5	
cis-1,3-Dichloropropene	<1.3	ug/m3	1.3	0.42	1.39		12/09/19 22:03	10061-01-5	
trans-1,3-Dichloropropene	<1.3	ug/m3	1.3	0.61	1.39		12/09/19 22:03	10061-02-6	
Dichlorotetrafluoroethane	<2.0	ug/m3	2.0	0.61	1.39		12/09/19 22:03	76-14-2	
Ethanol	2.1J	ug/m3	2.7	1.1	1.39		12/09/19 22:03	64-17-5	
Ethyl acetate	<1.0	ug/m3	1.0	0.26	1.39		12/09/19 22:03	141-78-6	
Ethylbenzene	0.48J	ug/m3	1.2	0.42	1.39		12/09/19 22:03	100-41-4	
4-Ethyltoluene	<3.5	ug/m3	3.5	0.79	1.39		12/09/19 22:03	622-96-8	
n-Heptane	<1.2	ug/m3	1.2	0.53	1.39		12/09/19 22:03	142-82-5	
Hexachloro-1,3-butadiene	<7.5	ug/m3	7.5	2.7	1.39		12/09/19 22:03	87-68-3	
n-Hexane	1.3	ug/m3	1.0	0.43	1.39		12/09/19 22:03	110-54-3	
2-Hexanone	<5.8	ug/m3	5.8	1.0	1.39		12/09/19 22:03	591-78-6	
Methylene Chloride	2.1J	ug/m3	4.9	1.7	1.39		12/09/19 22:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.8	ug/m3	5.8	0.72	1.39		12/09/19 22:03	108-10-1	
Methyl-tert-butyl ether	<5.1	ug/m3	5.1	0.92	1.39		12/09/19 22:03	1634-04-4	
Naphthalene	<3.7	ug/m3	3.7	1.8	1.39		12/09/19 22:03	91-20-3	
2-Propanol	<3.5	ug/m3	3.5	0.97	1.39		12/09/19 22:03	67-63-0	
Propylene	5.5	ug/m3	0.49	0.19	1.39		12/09/19 22:03	115-07-1	
Styrene	<1.2	ug/m3	1.2	0.48	1.39		12/09/19 22:03	100-42-5	
1,1,2,2-Tetrachloroethane	<1.9	ug/m3	1.9	0.43	1.39		12/09/19 22:03	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501021

Sample: SV-1 **Lab ID: 10501021001** Collected: 11/26/19 10:16 Received: 11/27/19 12:15 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Tetrachloroethene	<0.96	ug/m3	0.96	0.44	1.39		12/09/19 22:03	127-18-4	
Tetrahydrofuran	<0.83	ug/m3	0.83	0.36	1.39		12/09/19 22:03	109-99-9	
Toluene	0.80J	ug/m3	1.1	0.49	1.39		12/09/19 22:03	108-88-3	
1,2,4-Trichlorobenzene	<10.5	ug/m3	10.5	5.2	1.39		12/09/19 22:03	120-82-1	
1,1,1-Trichloroethane	<1.5	ug/m3	1.5	0.43	1.39		12/09/19 22:03	71-55-6	
1,1,2-Trichloroethane	<0.77	ug/m3	0.77	0.34	1.39		12/09/19 22:03	79-00-5	
Trichloroethene	<0.76	ug/m3	0.76	0.35	1.39		12/09/19 22:03	79-01-6	
Trichlorofluoromethane	1.2J	ug/m3	1.6	0.51	1.39		12/09/19 22:03	75-69-4	
1,1,2-Trichlorotrifluoroethane	<2.2	ug/m3	2.2	0.78	1.39		12/09/19 22:03	76-13-1	
1,2,4-Trimethylbenzene	<1.4	ug/m3	1.4	0.63	1.39		12/09/19 22:03	95-63-6	
1,3,5-Trimethylbenzene	<1.4	ug/m3	1.4	0.55	1.39		12/09/19 22:03	108-67-8	
Vinyl acetate	<1.0	ug/m3	1.0	0.38	1.39		12/09/19 22:03	108-05-4	
Vinyl chloride	<0.36	ug/m3	0.36	0.18	1.39		12/09/19 22:03	75-01-4	
m&p-Xylene	2.3J	ug/m3	2.5	0.97	1.39		12/09/19 22:03	179601-23-1	
o-Xylene	0.86J	ug/m3	1.2	0.48	1.39		12/09/19 22:03	95-47-6	

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501021

Sample: SV-2 **Lab ID: 10501021002** Collected: 11/26/19 09:46 Received: 11/27/19 12:15 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Acetone	8.9	ug/m3	3.3	1.7	1.39		12/09/19 23:03	67-64-1	
Benzene	0.61	ug/m3	0.45	0.21	1.39		12/09/19 23:03	71-43-2	
Benzyl chloride	<3.7	ug/m3	3.7	1.7	1.39		12/09/19 23:03	100-44-7	
Bromodichloromethane	<1.9	ug/m3	1.9	0.51	1.39		12/09/19 23:03	75-27-4	
Bromoform	<7.3	ug/m3	7.3	2.0	1.39		12/09/19 23:03	75-25-2	
Bromomethane	<1.1	ug/m3	1.1	0.32	1.39		12/09/19 23:03	74-83-9	
1,3-Butadiene	<0.63	ug/m3	0.63	0.18	1.39		12/09/19 23:03	106-99-0	
2-Butanone (MEK)	6.1	ug/m3	4.2	0.51	1.39		12/09/19 23:03	78-93-3	
Carbon disulfide	<0.88	ug/m3	0.88	0.30	1.39		12/09/19 23:03	75-15-0	
Carbon tetrachloride	<1.8	ug/m3	1.8	0.60	1.39		12/09/19 23:03	56-23-5	
Chlorobenzene	<1.3	ug/m3	1.3	0.38	1.39		12/09/19 23:03	108-90-7	
Chloroethane	<0.75	ug/m3	0.75	0.36	1.39		12/09/19 23:03	75-00-3	
Chloroform	<0.69	ug/m3	0.69	0.27	1.39		12/09/19 23:03	67-66-3	
Chloromethane	<0.58	ug/m3	0.58	0.22	1.39		12/09/19 23:03	74-87-3	
Cyclohexane	<2.4	ug/m3	2.4	0.49	1.39		12/09/19 23:03	110-82-7	
Dibromochloromethane	<2.4	ug/m3	2.4	1.0	1.39		12/09/19 23:03	124-48-1	
1,2-Dibromoethane (EDB)	<1.1	ug/m3	1.1	0.51	1.39		12/09/19 23:03	106-93-4	
1,2-Dichlorobenzene	<1.7	ug/m3	1.7	0.69	1.39		12/09/19 23:03	95-50-1	
1,3-Dichlorobenzene	<1.7	ug/m3	1.7	0.81	1.39		12/09/19 23:03	541-73-1	
1,4-Dichlorobenzene	<4.3	ug/m3	4.3	1.4	1.39		12/09/19 23:03	106-46-7	
Dichlorodifluoromethane	2.3	ug/m3	1.4	0.41	1.39		12/09/19 23:03	75-71-8	
1,1-Dichloroethane	<1.1	ug/m3	1.1	0.31	1.39		12/09/19 23:03	75-34-3	
1,2-Dichloroethane	<0.57	ug/m3	0.57	0.21	1.39		12/09/19 23:03	107-06-2	
1,1-Dichloroethene	<1.1	ug/m3	1.1	0.38	1.39		12/09/19 23:03	75-35-4	
cis-1,2-Dichloroethene	<1.1	ug/m3	1.1	0.30	1.39		12/09/19 23:03	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/m3	1.1	0.40	1.39		12/09/19 23:03	156-60-5	
1,2-Dichloropropane	<1.3	ug/m3	1.3	0.32	1.39		12/09/19 23:03	78-87-5	
cis-1,3-Dichloropropene	<1.3	ug/m3	1.3	0.42	1.39		12/09/19 23:03	10061-01-5	
trans-1,3-Dichloropropene	<1.3	ug/m3	1.3	0.61	1.39		12/09/19 23:03	10061-02-6	
Dichlorotetrafluoroethane	<2.0	ug/m3	2.0	0.61	1.39		12/09/19 23:03	76-14-2	
Ethanol	2.6J	ug/m3	2.7	1.1	1.39		12/09/19 23:03	64-17-5	
Ethyl acetate	<1.0	ug/m3	1.0	0.26	1.39		12/09/19 23:03	141-78-6	
Ethylbenzene	<1.2	ug/m3	1.2	0.42	1.39		12/09/19 23:03	100-41-4	
4-Ethyltoluene	<3.5	ug/m3	3.5	0.79	1.39		12/09/19 23:03	622-96-8	
n-Heptane	1.1J	ug/m3	1.2	0.53	1.39		12/09/19 23:03	142-82-5	
Hexachloro-1,3-butadiene	<7.5	ug/m3	7.5	2.7	1.39		12/09/19 23:03	87-68-3	
n-Hexane	78.1	ug/m3	1.0	0.43	1.39		12/09/19 23:03	110-54-3	
2-Hexanone	<5.8	ug/m3	5.8	1.0	1.39		12/09/19 23:03	591-78-6	
Methylene Chloride	1.7J	ug/m3	4.9	1.7	1.39		12/09/19 23:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.8	ug/m3	5.8	0.72	1.39		12/09/19 23:03	108-10-1	
Methyl-tert-butyl ether	<5.1	ug/m3	5.1	0.92	1.39		12/09/19 23:03	1634-04-4	
Naphthalene	<3.7	ug/m3	3.7	1.8	1.39		12/09/19 23:03	91-20-3	
2-Propanol	1.5J	ug/m3	3.5	0.97	1.39		12/09/19 23:03	67-63-0	
Propylene	<0.49	ug/m3	0.49	0.19	1.39		12/09/19 23:03	115-07-1	
Styrene	<1.2	ug/m3	1.2	0.48	1.39		12/09/19 23:03	100-42-5	
1,1,2,2-Tetrachloroethane	<1.9	ug/m3	1.9	0.43	1.39		12/09/19 23:03	79-34-5	

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501021

Sample: SV-2 Lab ID: 10501021002 Collected: 11/26/19 09:46 Received: 11/27/19 12:15 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Tetrachloroethene	<0.96	ug/m3	0.96	0.44	1.39		12/09/19 23:03	127-18-4	
Tetrahydrofuran	<0.83	ug/m3	0.83	0.36	1.39		12/09/19 23:03	109-99-9	
Toluene	1.3	ug/m3	1.1	0.49	1.39		12/09/19 23:03	108-88-3	
1,2,4-Trichlorobenzene	<10.5	ug/m3	10.5	5.2	1.39		12/09/19 23:03	120-82-1	
1,1,1-Trichloroethane	<1.5	ug/m3	1.5	0.43	1.39		12/09/19 23:03	71-55-6	
1,1,2-Trichloroethane	<0.77	ug/m3	0.77	0.34	1.39		12/09/19 23:03	79-00-5	
Trichloroethene	<0.76	ug/m3	0.76	0.35	1.39		12/09/19 23:03	79-01-6	
Trichlorofluoromethane	1.1J	ug/m3	1.6	0.51	1.39		12/09/19 23:03	75-69-4	
1,1,2-Trichlorotrifluoroethane	<2.2	ug/m3	2.2	0.78	1.39		12/09/19 23:03	76-13-1	
1,2,4-Trimethylbenzene	1.1J	ug/m3	1.4	0.63	1.39		12/09/19 23:03	95-63-6	
1,3,5-Trimethylbenzene	<1.4	ug/m3	1.4	0.55	1.39		12/09/19 23:03	108-67-8	
Vinyl acetate	<1.0	ug/m3	1.0	0.38	1.39		12/09/19 23:03	108-05-4	
Vinyl chloride	<0.36	ug/m3	0.36	0.18	1.39		12/09/19 23:03	75-01-4	
m&p-Xylene	1.2J	ug/m3	2.5	0.97	1.39		12/09/19 23:03	179601-23-1	
o-Xylene	<1.2	ug/m3	1.2	0.48	1.39		12/09/19 23:03	95-47-6	

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property
Pace Project No.: 10501021

QC Batch: 648835 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10501021001, 10501021002

METHOD BLANK: 3490451 Matrix: Air
Associated Lab Samples: 10501021001, 10501021002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<1.1	1.1	12/09/19 10:57	
1,1,2,2-Tetrachloroethane	ug/m3	<1.4	1.4	12/09/19 10:57	MN
1,1,2-Trichloroethane	ug/m3	<0.56	0.56	12/09/19 10:57	
1,1,2-Trichlorotrifluoroethane	ug/m3	<1.6	1.6	12/09/19 10:57	
1,1-Dichloroethane	ug/m3	<0.82	0.82	12/09/19 10:57	
1,1-Dichloroethene	ug/m3	<0.81	0.81	12/09/19 10:57	
1,2,4-Trichlorobenzene	ug/m3	<7.5	7.5	12/09/19 10:57	
1,2,4-Trimethylbenzene	ug/m3	<1.0	1.0	12/09/19 10:57	
1,2-Dibromoethane (EDB)	ug/m3	<0.78	0.78	12/09/19 10:57	
1,2-Dichlorobenzene	ug/m3	<1.2	1.2	12/09/19 10:57	
1,2-Dichloroethane	ug/m3	<0.41	0.41	12/09/19 10:57	
1,2-Dichloropropane	ug/m3	<0.94	0.94	12/09/19 10:57	
1,3,5-Trimethylbenzene	ug/m3	<1.0	1.0	12/09/19 10:57	
1,3-Butadiene	ug/m3	<0.45	0.45	12/09/19 10:57	
1,3-Dichlorobenzene	ug/m3	<1.2	1.2	12/09/19 10:57	
1,4-Dichlorobenzene	ug/m3	<3.1	3.1	12/09/19 10:57	
2-Butanone (MEK)	ug/m3	<3.0	3.0	12/09/19 10:57	
2-Hexanone	ug/m3	<4.2	4.2	12/09/19 10:57	
2-Propanol	ug/m3	<2.5	2.5	12/09/19 10:57	
4-Ethyltoluene	ug/m3	<2.5	2.5	12/09/19 10:57	
4-Methyl-2-pentanone (MIBK)	ug/m3	<4.2	4.2	12/09/19 10:57	
Acetone	ug/m3	<2.4	2.4	12/09/19 10:57	
Benzene	ug/m3	<0.32	0.32	12/09/19 10:57	
Benzyl chloride	ug/m3	<2.6	2.6	12/09/19 10:57	
Bromodichloromethane	ug/m3	<1.4	1.4	12/09/19 10:57	
Bromoform	ug/m3	<5.2	5.2	12/09/19 10:57	
Bromomethane	ug/m3	<0.79	0.79	12/09/19 10:57	
Carbon disulfide	ug/m3	<0.63	0.63	12/09/19 10:57	
Carbon tetrachloride	ug/m3	<1.3	1.3	12/09/19 10:57	
Chlorobenzene	ug/m3	<0.94	0.94	12/09/19 10:57	
Chloroethane	ug/m3	<0.54	0.54	12/09/19 10:57	
Chloroform	ug/m3	<0.50	0.50	12/09/19 10:57	
Chloromethane	ug/m3	<0.42	0.42	12/09/19 10:57	
cis-1,2-Dichloroethene	ug/m3	<0.81	0.81	12/09/19 10:57	
cis-1,3-Dichloropropene	ug/m3	<0.92	0.92	12/09/19 10:57	
Cyclohexane	ug/m3	<1.8	1.8	12/09/19 10:57	
Dibromochloromethane	ug/m3	<1.7	1.7	12/09/19 10:57	
Dichlorodifluoromethane	ug/m3	<1.0	1.0	12/09/19 10:57	
Dichlorotetrafluoroethane	ug/m3	<1.4	1.4	12/09/19 10:57	
Ethanol	ug/m3	<1.9	1.9	12/09/19 10:57	
Ethyl acetate	ug/m3	<0.73	0.73	12/09/19 10:57	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10501021

METHOD BLANK: 3490451

Matrix: Air

Associated Lab Samples: 10501021001, 10501021002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/m3	<0.88	0.88	12/09/19 10:57	
Hexachloro-1,3-butadiene	ug/m3	<5.4	5.4	12/09/19 10:57	
m&p-Xylene	ug/m3	<1.8	1.8	12/09/19 10:57	
Methyl-tert-butyl ether	ug/m3	<3.7	3.7	12/09/19 10:57	
Methylene Chloride	ug/m3	<3.5	3.5	12/09/19 10:57	
n-Heptane	ug/m3	<0.83	0.83	12/09/19 10:57	
n-Hexane	ug/m3	<0.72	0.72	12/09/19 10:57	
Naphthalene	ug/m3	<2.7	2.7	12/09/19 10:57	
o-Xylene	ug/m3	<0.88	0.88	12/09/19 10:57	
Propylene	ug/m3	<0.35	0.35	12/09/19 10:57	
Styrene	ug/m3	<0.87	0.87	12/09/19 10:57	
Tetrachloroethene	ug/m3	<0.69	0.69	12/09/19 10:57	
Tetrahydrofuran	ug/m3	<0.60	0.60	12/09/19 10:57	
Toluene	ug/m3	<0.77	0.77	12/09/19 10:57	
trans-1,2-Dichloroethene	ug/m3	<0.81	0.81	12/09/19 10:57	
trans-1,3-Dichloropropene	ug/m3	<0.92	0.92	12/09/19 10:57	
Trichloroethene	ug/m3	<0.55	0.55	12/09/19 10:57	
Trichlorofluoromethane	ug/m3	<1.1	1.1	12/09/19 10:57	
Vinyl acetate	ug/m3	<0.72	0.72	12/09/19 10:57	
Vinyl chloride	ug/m3	<0.26	0.26	12/09/19 10:57	

LABORATORY CONTROL SAMPLE: 3490452

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	59.3	107	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	74.8	107	70-132	
1,1,2-Trichloroethane	ug/m3	55.5	57.9	104	70-130	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	86.4	111	70-130	
1,1-Dichloroethane	ug/m3	41.1	43.1	105	70-130	
1,1-Dichloroethene	ug/m3	40.3	45.6	113	70-130	
1,2,4-Trichlorobenzene	ug/m3	75.4	73.8	98	56-130	
1,2,4-Trimethylbenzene	ug/m3	50	54.2	108	70-134	
1,2-Dibromoethane (EDB)	ug/m3	78.1	86.2	110	70-130	
1,2-Dichlorobenzene	ug/m3	61.1	66.8	109	70-132	
1,2-Dichloroethane	ug/m3	41.1	44.7	109	70-130	
1,2-Dichloropropane	ug/m3	47	48.4	103	70-130	
1,3,5-Trimethylbenzene	ug/m3	50	51.3	103	70-132	
1,3-Butadiene	ug/m3	22.5	25.9	115	65-130	
1,3-Dichlorobenzene	ug/m3	61.1	67.8	111	70-137	
1,4-Dichlorobenzene	ug/m3	61.1	67.3	110	70-134	
2-Butanone (MEK)	ug/m3	30	31.4	105	70-130	
2-Hexanone	ug/m3	41.6	46.1	111	70-135	
2-Propanol	ug/m3	125	136	109	68-130	
4-Ethyltoluene	ug/m3	50	54.1	108	70-138	

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10501021

LABORATORY CONTROL SAMPLE: 3490452

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	41.6	42.4	102	70-131	
Acetone	ug/m3	121	121	100	67-130	
Benzene	ug/m3	32.5	32.6	101	70-130	
Benzyl chloride	ug/m3	52.6	60.7	115	70-130	
Bromodichloromethane	ug/m3	68.1	74.9	110	70-130	
Bromoform	ug/m3	105	138	131	70-132	CH
Bromomethane	ug/m3	39.5	43.0	109	69-130	
Carbon disulfide	ug/m3	31.6	32.0	101	56-137	
Carbon tetrachloride	ug/m3	64	71.2	111	66-131	
Chlorobenzene	ug/m3	46.8	48.1	103	70-130	
Chloroethane	ug/m3	26.8	34.4	128	70-130	
Chloroform	ug/m3	49.6	52.2	105	70-130	
Chloromethane	ug/m3	21	22.4	107	66-130	
cis-1,2-Dichloroethene	ug/m3	40.3	42.0	104	70-130	
cis-1,3-Dichloropropene	ug/m3	46.1	49.2	107	70-133	
Cyclohexane	ug/m3	35	36.9	106	68-132	
Dibromochloromethane	ug/m3	86.6	103	119	70-130	
Dichlorodifluoromethane	ug/m3	50.3	50.3	100	70-130	
Dichlorotetrafluoroethane	ug/m3	71	75.6	106	70-130	
Ethanol	ug/m3	95.8	104	109	68-133	
Ethyl acetate	ug/m3	36.6	37.6	103	69-130	
Ethylbenzene	ug/m3	44.1	46.5	105	67-131	
Hexachloro-1,3-butadiene	ug/m3	108	105	97	66-137	
m&p-Xylene	ug/m3	88.3	91.8	104	70-132	
Methyl-tert-butyl ether	ug/m3	36.6	38.2	104	70-130	
Methylene Chloride	ug/m3	177	169	96	65-130	
n-Heptane	ug/m3	41.7	40.2	96	65-130	
n-Hexane	ug/m3	35.8	35.5	99	66-130	
Naphthalene	ug/m3	53.3	51.0	96	56-130	
o-Xylene	ug/m3	44.1	45.5	103	70-130	
Propylene	ug/m3	17.5	18.4	105	67-130	
Styrene	ug/m3	43.3	49.5	114	69-136	
Tetrachloroethene	ug/m3	68.9	72.4	105	70-130	
Tetrahydrofuran	ug/m3	30	33.6	112	68-131	
Toluene	ug/m3	38.3	38.5	101	70-130	
trans-1,2-Dichloroethene	ug/m3	40.3	40.7	101	70-130	
trans-1,3-Dichloropropene	ug/m3	46.1	52.4	114	70-134	
Trichloroethene	ug/m3	54.6	57.8	106	70-130	
Trichlorofluoromethane	ug/m3	57.1	62.5	109	65-130	
Vinyl acetate	ug/m3	35.8	36.5	102	61-133	
Vinyl chloride	ug/m3	26	28.2	109	70-130	

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10501021

SAMPLE DUPLICATE: 3491363

Parameter	Units	10501023001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<2.0	<2.0		25	
1,1,2,2-Tetrachloroethane	ug/m3	<2.6	<2.6		25	
1,1,2-Trichloroethane	ug/m3	<1.0	<1.0		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	<2.9	<2.9		25	
1,1-Dichloroethane	ug/m3	<1.5	<1.5		25	
1,1-Dichloroethene	ug/m3	<1.5	<1.5		25	
1,2,4-Trichlorobenzene	ug/m3	<13.8	<13.8		25	
1,2,4-Trimethylbenzene	ug/m3	2.7	2.7	1	25	
1,2-Dibromoethane (EDB)	ug/m3	<1.4	<1.4		25	
1,2-Dichlorobenzene	ug/m3	<2.2	<2.2		25	
1,2-Dichloroethane	ug/m3	<0.75	<0.75		25	
1,2-Dichloropropane	ug/m3	<1.7	<1.7		25	
1,3,5-Trimethylbenzene	ug/m3	0.86J	0.83J		25	
1,3-Butadiene	ug/m3	<0.82	<0.82		25	
1,3-Dichlorobenzene	ug/m3	<2.2	<2.2		25	
1,4-Dichlorobenzene	ug/m3	<5.6	<5.6		25	
2-Butanone (MEK)	ug/m3	2.9J	2.8J		25	
2-Hexanone	ug/m3	<7.6	<7.6		25	
2-Propanol	ug/m3	3.2J	3.1J		25	
4-Ethyltoluene	ug/m3	<4.6	<4.6		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	<7.6	<7.6		25	
Acetone	ug/m3	16.9	15.3	10	25	
Benzene	ug/m3	1.2	1.1	5	25	
Benzyl chloride	ug/m3	<4.8	<4.8		25	
Bromodichloromethane	ug/m3	<2.5	<2.5		25	
Bromoform	ug/m3	<9.6	<9.6		25	
Bromomethane	ug/m3	<1.4	<1.4		25	
Carbon disulfide	ug/m3	<1.2	<1.2		25	
Carbon tetrachloride	ug/m3	<2.3	<2.3		25	
Chlorobenzene	ug/m3	<1.7	<1.7		25	
Chloroethane	ug/m3	<0.98	<0.98		25	
Chloroform	ug/m3	<0.91	<0.91		25	
Chloromethane	ug/m3	<0.77	<0.77		25	
cis-1,2-Dichloroethene	ug/m3	<1.5	<1.5		25	
cis-1,3-Dichloropropene	ug/m3	<1.7	<1.7		25	
Cyclohexane	ug/m3	6.8	7.1	4	25	
Dibromochloromethane	ug/m3	<3.2	<3.2		25	
Dichlorodifluoromethane	ug/m3	2.3	2.3	1	25	
Dichlorotetrafluoroethane	ug/m3	<2.6	<2.6		25	
Ethanol	ug/m3	8.7	7.6	14	25	
Ethyl acetate	ug/m3	<1.3	<1.3		25	
Ethylbenzene	ug/m3	4.7	4.7	0	25	
Hexachloro-1,3-butadiene	ug/m3	<9.9	<9.9		25	
m&p-Xylene	ug/m3	9.2	9.3	1	25	
Methyl-tert-butyl ether	ug/m3	<6.7	<6.7		25	
Methylene Chloride	ug/m3	23.3	23.0	1	25	
n-Heptane	ug/m3	1.3J	1.3J		25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10501021

SAMPLE DUPLICATE: 3491363

Parameter	Units	10501023001 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	4.9	4.8	2	25	
Naphthalene	ug/m3	<4.9	<4.9		25	
o-Xylene	ug/m3	2.8	2.8	0	25	
Propylene	ug/m3	<0.64	<0.64		25	
Styrene	ug/m3	<1.6	<1.6		25	
Tetrachloroethene	ug/m3	3.0	3.4	11	25	
Tetrahydrofuran	ug/m3	63.8	61.9	3	25	
Toluene	ug/m3	27.4	27.5	0	25	
trans-1,2-Dichloroethene	ug/m3	<1.5	<1.5		25	
trans-1,3-Dichloropropene	ug/m3	<1.7	<1.7		25	
Trichloroethene	ug/m3	<1.0	<1.0		25	
Trichlorofluoromethane	ug/m3	1.3J	1.1J		25	
Vinyl acetate	ug/m3	<1.3	<1.3		25	
Vinyl chloride	ug/m3	<0.48	<0.48		25	

SAMPLE DUPLICATE: 3491364

Parameter	Units	10501021001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<1.5	<1.5		25	
1,1,2,2-Tetrachloroethane	ug/m3	<1.9	<1.9		25	
1,1,2-Trichloroethane	ug/m3	<0.77	<0.77		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	<2.2	<2.2		25	
1,1-Dichloroethane	ug/m3	<1.1	<1.1		25	
1,1-Dichloroethene	ug/m3	<1.1	<1.1		25	
1,2,4-Trichlorobenzene	ug/m3	<10.5	<10.5		25	
1,2,4-Trimethylbenzene	ug/m3	<1.4	<1.4		25	
1,2-Dibromoethane (EDB)	ug/m3	<1.1	<1.1		25	
1,2-Dichlorobenzene	ug/m3	<1.7	<1.7		25	
1,2-Dichloroethane	ug/m3	<0.57	<0.57		25	
1,2-Dichloropropane	ug/m3	<1.3	<1.3		25	
1,3,5-Trimethylbenzene	ug/m3	<1.4	<1.4		25	
1,3-Butadiene	ug/m3	<0.63	<0.63		25	
1,3-Dichlorobenzene	ug/m3	<1.7	<1.7		25	
1,4-Dichlorobenzene	ug/m3	<4.3	<4.3		25	
2-Butanone (MEK)	ug/m3	2.6J	2.7J		25	
2-Hexanone	ug/m3	<5.8	<5.8		25	
2-Propanol	ug/m3	<3.5	<3.5		25	
4-Ethyltoluene	ug/m3	<3.5	<3.5		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	<5.8	<5.8		25	
Acetone	ug/m3	10.2	10.6	3	25	
Benzene	ug/m3	0.76	0.75	2	25	
Benzyl chloride	ug/m3	<3.7	<3.7		25	
Bromodichloromethane	ug/m3	<1.9	<1.9		25	
Bromoform	ug/m3	<7.3	<7.3		25	
Bromomethane	ug/m3	<1.1	<1.1		25	

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10501021

SAMPLE DUPLICATE: 3491364

Parameter	Units	10501021001 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/m3	0.34J	<0.88		25	
Carbon tetrachloride	ug/m3	<1.8	<1.8		25	
Chlorobenzene	ug/m3	<1.3	<1.3		25	
Chloroethane	ug/m3	<0.75	<0.75		25	
Chloroform	ug/m3	<0.69	<0.69		25	
Chloromethane	ug/m3	1.0	0.71	35	25	R1
cis-1,2-Dichloroethene	ug/m3	<1.1	<1.1		25	
cis-1,3-Dichloropropene	ug/m3	<1.3	<1.3		25	
Cyclohexane	ug/m3	<2.4	<2.4		25	
Dibromochloromethane	ug/m3	<2.4	<2.4		25	
Dichlorodifluoromethane	ug/m3	2.5	2.3	6	25	
Dichlorotetrafluoroethane	ug/m3	<2.0	<2.0		25	
Ethanol	ug/m3	2.1J	1.9J		25	
Ethyl acetate	ug/m3	<1.0	<1.0		25	
Ethylbenzene	ug/m3	0.48J	0.49J		25	
Hexachloro-1,3-butadiene	ug/m3	<7.5	<7.5		25	
m&p-Xylene	ug/m3	2.3J	2.2J		25	
Methyl-tert-butyl ether	ug/m3	<5.1	<5.1		25	
Methylene Chloride	ug/m3	2.1J	2.0J		25	
n-Heptane	ug/m3	<1.2	<1.2		25	
n-Hexane	ug/m3	1.3	1.3	5	25	
Naphthalene	ug/m3	<3.7	<3.7		25	
o-Xylene	ug/m3	0.86J	0.86J		25	
Propylene	ug/m3	5.5	5.4	2	25	
Styrene	ug/m3	<1.2	<1.2		25	
Tetrachloroethene	ug/m3	<0.96	<0.96		25	
Tetrahydrofuran	ug/m3	<0.83	<0.83		25	
Toluene	ug/m3	0.80J	0.82J		25	
trans-1,2-Dichloroethene	ug/m3	<1.1	<1.1		25	
trans-1,3-Dichloropropene	ug/m3	<1.3	<1.3		25	
Trichloroethene	ug/m3	<0.76	<0.76		25	
Trichlorofluoromethane	ug/m3	1.2J	1.1J		25	
Vinyl acetate	ug/m3	<1.0	<1.0		25	
Vinyl chloride	ug/m3	<0.36	<0.36		25	

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QUALIFIERS

Project: J190928 Kitelinger Property

Pace Project No.: 10501021

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
MN	The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: J190928 Kitelinger Property
Pace Project No.: 10501021

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10501021001	SV-1	TO-15	648835		
10501021002	SV-2	TO-15	648835		

REPORT OF LABORATORY ANALYSIS

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AIR: CHAIN-OF-CUSTODY / An

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields

WO#: 10501021



Section A

Required Client Information:

Company: Boy West
 Address: S Empire Dr. St. Paul, MN
 Email To: Pick V@boywest.com
 Phone: 651-291-3441 Fax:
 Requested Due Date/TAT: Standard

Section B

Required Project Information:

Report To: pick.v@boywest.com
 Copy To:
 Purchase Order No.: 201827
 Project Name: Kitelinger Property
 Project Number: J190878

Section C

Invoice Information:

Attention: Accounts Payable
 Company Name: Boy West
 Address: S Empire Drive
 Pace Quote Reference:
 Pace Project Manager/Sales Rep. Oxytem Odoole
 Pace Profile #:

Page: 1 of 1

Program

UST Superfund Emissions Clean Air Act
 Voluntary Clean Up Dry Clean RCRA Other

Location of Sampling by State: WI

Reporting Units: ug/m³ mg/m³
PPBV PPMV
 Other:

Report Level: II III IV Other

ITEM #	Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:							Face Lab ID		
					COMPOSITE START END/GRAB		COMPOSITE						PM10	3C Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14		TO-15	TO-15 Spent Lign
					DATE	TIME	DATE	TIME														
1	SV-1		6C	0.4	11/26/19	1011	11/26/19	1016	-27	-3												
2	SV-2		6C	0.7	11/26/19	0942	11/26/19	0946	-30	-2												
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
<u>[Signature]</u> Boy West	11/26/19	1500	<u>[Signature]</u> Paul Smith Pace	11/27/19	1030	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>[Signature]</u> Paul Smith Pace	11/27/19	1215	<u>[Signature]</u> Paul Smith Pace	11/27/19	1215		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Courtney Smith

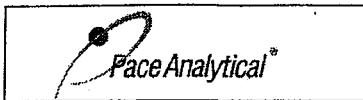
SIGNATURE OF SAMPLER: [Signature] DATE Signed (MM/DD/YY) 11/26/19

Temp in °C

Received on Ice

Custody Sealed Cooler

Samples Intact



Document Name:
Air Sample Condition Upon Receipt
Document No.:
F-MN-A-106-rev.19

Document Revised: 14Oct2019
Page 1 of 1
Issuing Authority:

Air Sample Condition Upon Receipt

Client Name:
Bay West

Project #:

WO#: 10501021

PM: **OEO**

Due Date: **12/13/19**

CLIENT: **BW-BAY WEST**

Courier: Fed Ex UPS USPS Client
 Pace Speedee Commercial See Exception

Tracking Number: _____

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Tin Can Other: _____ Temp Blank rec: Yes No

Temp. (TO17 and TO13 samples only) (°C): _____ Corrected Temp (°C): _____

Thermometer Used: G87A9170600254
 G87A9155100842

Temp should be above freezing to 6°C Correction Factor: _____

Date & Initials of Person Examining Contents: **CEG 11/27/19**

Type of ice Received Blue Wet None

Comments:

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

Gauge # 10AIR26 10AIR34 10AIR35 4097

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
SV-1	3651	-		S					
SV-2	2132	-		S					

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Oyeyemi Odijole

Date: 12/2/19

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

December 17, 2019

Paul Donovan
Bay West
5 Empire Drive
Saint Paul, MN 55103

RE: Project: J190928 KITELINGER PROPERTY
Pace Project No.: 40200111

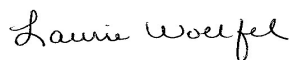
Dear Paul Donovan:

Enclosed are the analytical results for sample(s) received by the laboratory on December 02, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

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

Sincerely,



Laurie Woelfel
laurie.woelfel@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Rick Van Allen, Bay West



REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: J190928 KITELINGER PROPERTY
Pace Project No.: 40200111

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40200111001	SB-6-GW	Solid	11/26/19 12:15	12/02/19 15:30
40200111002	SB-6 (4-6)	Solid	11/26/19 12:00	12/02/19 15:30
40200111003	SB-6 (10-12)	Solid	11/26/19 12:05	12/02/19 15:30
40200111004	DUP-SS	Solid	11/26/19 12:10	12/02/19 15:30

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Section D EQiS Information:		Page 1 of 1
Company: Bay West LLC		Report To: Rick V @ baywest.com		Attention: Accounts Payable		Facility Name:		
Address: 5 Empire Drive		Copy To:		Company Name: Bay West LLC		Facility Code:		
St. Paul MN 55103		Purchase Order No.: 201827		Address: 5 Empire Drive		Facility ID:		
Email To: rick.v@baywest.com		Project Name: Kittinger Property		Lab Quote Reference:		Subfacility code:		
Phone: 651-291-3441		Project Number: 3190928		Lab Project Manager: Oyeyemi Odujole		COC# 1		
Requested Due Date/TAT: Standard						Site Location STATE: WI MN		

ITEM #	Section E Required Client Information		MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	Collection		# OF CONTAINERS	Preservatives							Formaldehyde	Comments	
	Sample ID (sys_sample_code)	Valid Matrix Codes			DATE	Time		Unpreserved	Other								
		MATRIX						CODE	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₅	Methanol			Other
1	SB-6-GW	ST	ST	G	11-26-19	1215	1	1									
2	SB-6(4-6)	SL	SL	G	11-26-19	1200	1	1									
3	SB-6(10-12)	SL	SL	G	11-26-19	1205	1	1									
4	DUP-SS	SL	SL	G	11-26-19	1210	1	1									
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
							Temp (°C)	Received on Ice (Y/N)	Custody Sealed Copier (Y/N)	Samples Intact (Y/N)
#15 Petrofund job for a commercial client in MN	[Signature]	11/26	1530	Abby Parker	12-2-19	0900				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Courtney Smith

SIGNATURE of SAMPLER: [Signature]

DATE Signed (MM/DD/YY): 11/26/19

Certificate of Analysis 9121587

Laurie Woelfel
Pace Analytical Services LLC Green Bay
1241 Bellevue St - Suite 9
Green Bay WI, 54302

Customer ID: 44-102052
Report Printed: 12/14/2019 06:56

Project Name: Woelfel PM Workorder: 9121587

Dear Laurie Woelfel

Enclosed are the analytical results for samples received at one of our laboratories on 12/02/2019 09:00.

McCoy & McCoy Laboratories, Inc. is a commercial laboratory accredited by various state and national authorities, including Indiana, Kentucky, Tennessee, and Virginia's National Environmental Laboratory Accreditation Program (NELAP). With the NELAP accreditation, applicable test results are certified to meet the requirements of the National Environmental Laboratory Accreditation Program.

If you have any questions concerning this report please contact the individual listed below.

Please visit our website at www.mccoylabs.com for a listing of the NELAP accreditations and Scope of Work, as well as, links to other scientific organizations.

This certificate of analysis may not be reproduced without the written consent of McCoy & McCoy Laboratories, Inc.



#460210 Madisonville, KY
#460293 Pikeville, KY

Doug Wolfe

Doug Wolfe For Rob Whittington, Project Manager

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

SAMPLE SUMMARY

Lab ID	Client Sample ID/Alias	Matrix	Date Collected	Date Received	Sampled By
9121587-01	Project J90928/SB-6 GW / Lab ID: 40200111001	Groundwater	11/26/2019 12:15	12/02/2019 9:00	Client
9121587-02	Project J90928/SB-6 (4-6) / Lab ID: 40200111002	Solid	11/26/2019 12:00	12/02/2019 9:00	Client
9121587-03	Project J90928/SB-6 (10-12) / Lab ID: 40200111003	Solid	11/26/2019 12:05	12/02/2019 9:00	Client
9121587-04	Project J90928/Dup -SS / Lab ID: 40200111004	Solid	11/26/2019 12:10	12/02/2019 9:00	Client

ANALYTICAL RESULTS

Lab Sample ID: **9121587-01**
 Description: **Project J90928 SB-6 GW / Lab ID: 40200111001**

Sample Collection Date Time: 11/26/2019 12:15
 Sample Received Date Time: 12/02/2019 09:00

High Performance Liquid Chromatography (HPLC)

Analyte	Result	Flag	Units	MRL	MDL	Method	Prepared	Analyzed	Analyst
Formaldehyde	ND	H4, L2, U	mg/L	0.14		SW846-8315 A	12/03/2019 14:00	12/06/2019 00:34	CSC

ANALYTICAL RESULTS

Lab Sample ID: **9121587-02**
 Description: **Project J90928 SB-6 (4-6) / Lab ID: 40200111002**

Sample Collection Date Time: 11/26/2019 12:00
 Sample Received Date Time: 12/02/2019 09:00

Conventional Chemistry Analyses Madisonville

Analyte	Result	Flag	Units	MRL	MDL	Method	Prepared	Analyzed	Analyst
Total Solids	86.9		%	0.001		2540 G-2011	12/04/2019 16:50	12/05/2019 08:50	DJK

High Performance Liquid Chromatography (HPLC)

Analyte	Result	Flag	Units	MRL	MDL	Method	Prepared	Analyzed	Analyst
Formaldehyde	ND	L2, M2, U	mg/kg dry	3	2	SW846-8315 A	12/03/2019 16:00	12/05/2019 21:23	CSC

ANALYTICAL RESULTS

Lab Sample ID: **9121587-03**
 Description: **Project J90928 SB-6 (10-12) / Lab ID: 40200111003**

Sample Collection Date Time: 11/26/2019 12:05
 Sample Received Date Time: 12/02/2019 09:00

Conventional Chemistry Analyses Madisonville

Analyte	Result	Flag	Units	MRL	MDL	Method	Prepared	Analyzed	Analyst
Total Solids	85.3		%	0.001		2540 G-2011	12/04/2019 16:50	12/05/2019 08:50	DJK

High Performance Liquid Chromatography (HPLC)

Analyte	Result	Flag	Units	MRL	MDL	Method	Prepared	Analyzed	Analyst
Formaldehyde	2	L2	mg/kg dry	3	2	SW846-8315 A	12/03/2019 16:00	12/05/2019 21:44	CSC

ANALYTICAL RESULTS

Lab Sample ID: **9121587-04**
 Description: **Project J90928 Dup -SS / Lab ID: 40200111004**

Sample Collection Date Time: 11/26/2019 12:10
 Sample Received Date Time: 12/02/2019 09:00

Conventional Chemistry Analyses Madisonville

Analyte	Result	Flag	Units	MRL	MDL	Method	Prepared	Analyzed	Analyst
Total Solids	84.9		%	0.001		2540 G-2011	12/04/2019 16:50	12/05/2019 08:50	DJK

High Performance Liquid Chromatography (HPLC)

Analyte	Result	Flag	Units	MRL	MDL	Method	Prepared	Analyzed	Analyst
Formaldehyde	2	L2	mg/kg dry	3	2	SW846-8315 A	12/03/2019 16:00	12/05/2019 22:06	CSC

Notes for work order 9121587

- Samples collected by MMLI personnel are done so in accordance with procedures set forth in MMLI field services SOPs.
- Results contained in this report are only representative of the samples received.
- MMLI does not provide interpretation of these results unless otherwise stated.
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identification based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.

Qualifiers

- H4 Sample extracted past required extraction holding time, but analyzed within analysis holding time.
- L2 The associated blank spike recovery was below method acceptance limits.
- M2 Matrix spike recovery was low; the method control sample recovery was acceptable.
- T16 Sample receipt temperature outside 0 - 6°C; sample not collected on same day as receipt; sample received on ice; client gave permission to proceed as documented on the COC or the project manager notified to contact client before proceeding.
- U Target analyte was analyzed for, but was below detection limit (the value associated with the qualifier is the laboratory method detection limit in our LIMS system).

Standard Qualifiers/Acronyms

- MDL Method Detection Limit
- MRL Minimum Reporting Limit
- ND Not Detected
- LCS Laboratory Control Sample
- MS Matrix Spike
- MSD Matrix Spike Duplicate
- DUP Sample Duplicate
- % Rec Percent Recovery
- RPD Relative Percent Difference
- > Greater than
- < Less than

Sample Acceptance Checklist for Work Order 9121587	
Shipped By: Fed Ex	Temperature: 7.00° Celcius
Condition	
Check if Custody Seals are Present/Intact	<input type="checkbox"/>
Check if Custody Signatures are Present	<input checked="" type="checkbox"/>
Check if Collector Signature Present	<input checked="" type="checkbox"/>
Check if bottles are intact	<input checked="" type="checkbox"/>
Check if bottles are correct	<input checked="" type="checkbox"/>
Check if bottles have sufficient volume	<input checked="" type="checkbox"/>
Check if samples received on ice	<input checked="" type="checkbox"/>
Check if VOA headspace is acceptable	<input type="checkbox"/>
Check if samples received in holding time.	<input checked="" type="checkbox"/>
Check if samples are preserved properly	<input checked="" type="checkbox"/>

CHAIN-OF-CUSTODY / Analytical Request Document

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

9121587

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	Section D EQulS Information:	
Company: Bay West LLC	Report To: <i>rick.v@baywest.com</i>	Attention: Accounts Payable	Facility_Name:	Page 1 of 1
Address: 5 Empire Drive	Copy To:	Company Name: Bay West LLC	Facility_Code:	
St. Paul MN 55103		Address: 5 Empire Drive	Facility_ID:	COC# 1
Email To: <i>rick.v@baywest.com</i>	Purchase Order No.: <i>201827</i>	Lab Quote Reference:	Subfacility_code:	
Phone: <i>651-291-3441</i>	Project Name: <i>bitinger Prodn</i>	Lab Project Manager: Oyeyemi Odujole		Site Location
Requested Due Date/TAT: Standard	Project Number: <i>090928</i>			STATE: WI MN

ITEM #	Section E Required Client Information		Valid Matrix Codes		MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	Collection		Preservatives								Requester	Requested Analysis												Comments													
	Sample ID (sys_sample_code)	MATRIX	CODE	DATE			Time	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other																											
		Drinking Water	DW															Water	ST	Waste Water	W	Product	P	Soil/Solid	SL	Oil	OL	Wipe	WP		Air	AR	Tissue	TS	Other	OT							
1	SB-6-GW	ST	G	11-26-19	1215	1	1																																				
2	SB-6(4-6)	SL	G	11-26-19	1220	1	1																																				
3	SB-6(10-12)	SL	G	11-26-19	1205	1	1																																				
4	DUP-SS	SL	G	11-26-19	1210	1	1																																				
5																																											
6																																											
7																																											
8																																											
9																																											
10																																											
11																																											
12																																											

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
<i>Petrofund job for a commercial client in MN.</i> <div style="font-size: 0.6em; margin-top: 10px;"> Temp (°C) Received on ice (Y/N) Custody Sealed Cooler (Y/N) Samples intact (Y/N) </div>		<i>[Signature]</i> <i>Bay West</i>	<i>11/26</i>	<i>1530</i>	<i>Abbey Fakir (7.0)</i>	<i>12-2-19</i>	<i>0900</i>				
SAMPLER NAME AND SIGNATURE											
PRINT Name of SAMPLER: <i>Courtney Smith</i>											
SIGNATURE of SAMPLER: <i>[Signature]</i>		DATE Signed (MM/DD/YY): <i>11/26/19</i>									

Chain of Custody

PASI Green Bay Laboratory

9121587



Workorder: 40200111

Workorder Name: J190928 KITTINGER PROPERTY

Results Requested By: 12/16/2019

Report / Invoice To		Subcontract To				Requested Analysis													
Laurie Woelfel Pace Analytical Green Bay 1241 Bellevue Street Suite 9 Green Bay, WI 54302 Phone (920)469-2436 Email: laurie.woelfel@pacelabs.com		P.O. _____				<div style="display: flex; justify-content: space-between;"> Formaldehyde LAB USE ONLY </div>													
State of Sample Origin: WI LOD/LOQ		Preserved Containers																	
Item	Sample ID	Collect Date/Time	Lab ID	Matrix	General														
1	SB-6-GW	11/26/2019 12:15	40200111001	Solid															
2	SB-6 (4-6)	11/26/2019 12:00	40200111002	Solid															
3	SB-6 (10-12)	11/26/2019 12:05	40200111003	Solid															
4	DUP-SS	11/26/2019 12:10	40200111004	Solid															
5																			
Comments																			
Transfers	Released By	Date/Time	Received By	Date/Time															
1																			
2																			
3																			
Cooler Temperature on Receipt °C		Custody Seal Y or N			Received on Ice Y or N				Samples Intact Y or N										

December 13, 2019

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

RE: Project: J190928 Kitelinger Property
Pace Project No.: 10501003

Dear Rick VanAllen:

Enclosed are the analytical results for sample(s) received by the laboratory on November 27, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Oyeyemi Odujole
oyeyemi.odujole@pacelabs.com
(612)607-6402
Project Manager

Enclosures

cc: Joe Erjavec, Bay West LLC
Trey Harsch, Bay West LLC
Jeff Smith, Pace Analytical Services, Inc



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10501003001	SB-1 (6-8)	Solid	11/26/19 09:10	11/27/19 12:15
10501003002	SB-1 (10-12)	Solid	11/26/19 09:15	11/27/19 12:15
10501003003	SB-2 (6-8)	Solid	11/26/19 09:30	11/27/19 12:15
10501003004	SB-2 (10-12)	Solid	11/26/19 09:35	11/27/19 12:15
10501003005	SB-3 (6-8)	Solid	11/26/19 09:00	11/27/19 12:15
10501003006	SB-3 (10-12)	Solid	11/26/19 09:55	11/27/19 12:15
10501003007	SB-4 (6-8)	Solid	11/26/19 10:45	11/27/19 12:15
10501003008	SB-4 (10-12)	Solid	11/26/19 10:50	11/27/19 12:15
10501003009	Trip Blank	Solid	11/26/19 00:00	11/27/19 12:15

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SAMPLE ANALYTE COUNT

Project: J190928 Kitelinger Property
Pace Project No.: 10501003

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10501003001	SB-1 (6-8)	EPA 6010	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8260	MDS	70	PASI-G
		ASTM D2974-87	QJR	1	PASI-G
10501003002	SB-1 (10-12)	EPA 6010	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8260	SMT	70	PASI-G
		ASTM D2974-87	QJR	1	PASI-G
10501003003	SB-2 (6-8)	EPA 6010	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8260	SMT	70	PASI-G
		ASTM D2974-87	QJR	1	PASI-G
10501003004	SB-2 (10-12)	EPA 6010	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8260	SMT	70	PASI-G
		ASTM D2974-87	QJR	1	PASI-G
10501003005	SB-3 (6-8)	EPA 6010	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8260	MDS	70	PASI-G
		ASTM D2974-87	QJR	1	PASI-G
10501003006	SB-3 (10-12)	EPA 6010	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8260	MDS	70	PASI-G
		ASTM D2974-87	QJR	1	PASI-G
10501003007	SB-4 (6-8)	EPA 6010	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8260	MDS	70	PASI-G
		ASTM D2974-87	QJR	1	PASI-G
10501003008	SB-4 (10-12)	EPA 6010	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8260	MDS	70	PASI-G
		ASTM D2974-87	QJR	1	PASI-G
10501003009	Trip Blank	EPA 8260	MDS	70	PASI-G

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Method: EPA 6010

Description: 6010 MET ICP

Client: Bay West LLC

Date: December 13, 2019

General Information:

8 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Method: EPA 7471

Description: 7471 Mercury

Client: Bay West LLC

Date: December 13, 2019

General Information:

8 samples were analyzed for EPA 7471. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:

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PROJECT NARRATIVE

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Method: EPA 8260

Description: 8260 MSV Med Level Normal List

Client: Bay West LLC

Date: December 13, 2019

General Information:

9 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Sample: SB-1 (6-8) **Lab ID: 10501003001** Collected: 11/26/19 09:10 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	3.5J	mg/kg	5.9	1.8	1	12/09/19 06:32	12/09/19 13:40	7440-38-2	
Barium	44.6	mg/kg	0.61	0.18	1	12/09/19 06:32	12/09/19 13:40	7440-39-3	
Cadmium	<0.61	mg/kg	0.61	0.16	1	12/09/19 06:32	12/09/19 13:40	7440-43-9	
Chromium	17.8	mg/kg	1.2	0.34	1	12/09/19 06:32	12/09/19 13:40	7440-47-3	
Lead	7.0	mg/kg	2.4	0.73	1	12/09/19 06:32	12/09/19 13:40	7439-92-1	
Selenium	<5.3	mg/kg	5.3	1.6	1	12/09/19 06:32	12/09/19 13:40	7782-49-2	
Silver	<1.2	mg/kg	1.2	0.37	1	12/09/19 06:32	12/09/19 13:40	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.036J	mg/kg	0.039	0.012	1	12/10/19 11:41	12/11/19 09:39	7439-97-6	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Acetone	<683	ug/kg	683	205	1	12/05/19 08:15	12/05/19 18:38	67-64-1	W
Allyl chloride	<308	ug/kg	308	92.5	1	12/05/19 08:15	12/05/19 18:38	107-05-1	W
Benzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	71-43-2	W
Bromobenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 18:38	108-86-1	W
Bromochloromethane	<70.0	ug/kg	70.0	25.0	1	12/05/19 08:15	12/05/19 18:38	74-97-5	W
Bromodichloromethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	75-27-4	W
Bromoform	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 18:38	75-25-2	W
Bromomethane	<250	ug/kg	250	63.8	1	12/05/19 08:15	12/05/19 18:38	74-83-9	W
2-Butanone (MEK)	<585	ug/kg	585	176	1	12/05/19 08:15	12/05/19 18:38	78-93-3	W
n-Butylbenzene	<100	ug/kg	100	30.0	1	12/05/19 08:15	12/05/19 18:38	104-51-8	W
sec-Butylbenzene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 18:38	135-98-8	W
tert-Butylbenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 18:38	98-06-6	W
Carbon tetrachloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	56-23-5	W
Chlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	108-90-7	W
Chloroethane	<250	ug/kg	250	46.4	1	12/05/19 08:15	12/05/19 18:38	75-00-3	W
Chloroform	<250	ug/kg	250	47.5	1	12/05/19 08:15	12/05/19 18:38	67-66-3	W
Chloromethane	<80.0	ug/kg	80.0	25.0	1	12/05/19 08:15	12/05/19 18:38	74-87-3	W
2-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 18:38	95-49-8	W
4-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 18:38	106-43-4	W
1,2-Dibromo-3-chloropropane	<789	ug/kg	789	237	1	12/05/19 08:15	12/05/19 18:38	96-12-8	W
Dibromochloromethane	<763	ug/kg	763	229	1	12/05/19 08:15	12/05/19 18:38	124-48-1	W
1,2-Dibromoethane (EDB)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	106-93-4	W
Dibromomethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	74-95-3	W
1,2-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	95-50-1	W
1,3-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	541-73-1	W
1,4-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	106-46-7	W
Dichlorodifluoromethane	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 18:38	75-71-8	W
1,1-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	75-34-3	W
1,2-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	107-06-2	W
1,1-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	75-35-4	W
cis-1,2-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	156-59-2	W
trans-1,2-Dichloroethene	<67.0	ug/kg	67.0	25.0	1	12/05/19 08:15	12/05/19 18:38	156-60-5	W
Dichlorofluoromethane	<95.0	ug/kg	95.0	28.6	1	12/05/19 08:15	12/05/19 18:38	75-43-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Sample: SB-1 (6-8) **Lab ID: 10501003001** Collected: 11/26/19 09:10 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	78-87-5	W
1,3-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	142-28-9	W
2,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	594-20-7	W
1,1-Dichloropropene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	563-58-6	W
cis-1,3-Dichloropropene	<141	ug/kg	141	42.3	1	12/05/19 08:15	12/05/19 18:38	10061-01-5	W
trans-1,3-Dichloropropene	<74.0	ug/kg	74.0	25.0	1	12/05/19 08:15	12/05/19 18:38	10061-02-6	W
Diethyl ether (Ethyl ether)	<78.0	ug/kg	78.0	25.0	1	12/05/19 08:15	12/05/19 18:38	60-29-7	W
Ethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	100-41-4	W
Hexachloro-1,3-butadiene	<229	ug/kg	229	68.7	1	12/05/19 08:15	12/05/19 18:38	87-68-3	W
Isopropylbenzene (Cumene)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	98-82-8	W
p-Isopropyltoluene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 18:38	99-87-6	W
Methylene Chloride	<88.0	ug/kg	88.0	26.3	1	12/05/19 08:15	12/05/19 18:38	75-09-2	W
4-Methyl-2-pentanone (MIBK)	<433	ug/kg	433	130	1	12/05/19 08:15	12/05/19 18:38	108-10-1	W
Methyl-tert-butyl ether	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	1634-04-4	W
Naphthalene	<91.0	ug/kg	91.0	27.3	1	12/05/19 08:15	12/05/19 18:38	91-20-3	W
n-Propylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	103-65-1	W
Styrene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	100-42-5	W
1,1,1,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	630-20-6	W
1,1,2,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	79-34-5	W
Tetrachloroethene	<129	ug/kg	129	38.7	1	12/05/19 08:15	12/05/19 18:38	127-18-4	W
Tetrahydrofuran	<417	ug/kg	417	125	1	12/05/19 08:15	12/05/19 18:38	109-99-9	W
Toluene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	108-88-3	W
1,2,3-Trichlorobenzene	<158	ug/kg	158	47.3	1	12/05/19 08:15	12/05/19 18:38	87-61-6	W
1,2,4-Trichlorobenzene	<250	ug/kg	250	41.7	1	12/05/19 08:15	12/05/19 18:38	120-82-1	W
1,1,1-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	71-55-6	W
1,1,2-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	79-00-5	W
Trichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	79-01-6	W
Trichlorofluoromethane	<65.0	ug/kg	65.0	25.0	1	12/05/19 08:15	12/05/19 18:38	75-69-4	W
1,2,3-Trichloropropane	<125	ug/kg	125	37.4	1	12/05/19 08:15	12/05/19 18:38	96-18-4	W
1,1,2-Trichlorotrifluoroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	76-13-1	W
1,2,4-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	95-63-6	W
1,3,5-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	108-67-8	W
Vinyl chloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 18:38	75-01-4	W
Xylene (Total)	<180	ug/kg	180	75.0	1	12/05/19 08:15	12/05/19 18:38	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	107	%	57-146		1	12/05/19 08:15	12/05/19 18:38	1868-53-7	
Toluene-d8 (S)	107	%	64-134		1	12/05/19 08:15	12/05/19 18:38	2037-26-5	
4-Bromofluorobenzene (S)	102	%	54-126		1	12/05/19 08:15	12/05/19 18:38	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	17.9	%	0.10	0.10	1		12/05/19 18:12		
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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Sample: SB-1 (10-12) **Lab ID: 10501003002** Collected: 11/26/19 09:15 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	<5.4	mg/kg	5.4	1.6	1	12/09/19 06:32	12/09/19 13:46	7440-38-2	
Barium	5.8	mg/kg	0.55	0.16	1	12/09/19 06:32	12/09/19 13:46	7440-39-3	
Cadmium	<0.55	mg/kg	0.55	0.15	1	12/09/19 06:32	12/09/19 13:46	7440-43-9	
Chromium	2.1	mg/kg	1.1	0.31	1	12/09/19 06:32	12/09/19 13:46	7440-47-3	
Lead	0.94J	mg/kg	2.2	0.66	1	12/09/19 06:32	12/09/19 13:46	7439-92-1	
Selenium	<4.8	mg/kg	4.8	1.4	1	12/09/19 06:32	12/09/19 13:46	7782-49-2	
Silver	<1.1	mg/kg	1.1	0.34	1	12/09/19 06:32	12/09/19 13:46	7440-22-4	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	<0.040	mg/kg	0.040	0.012	1	12/10/19 11:41	12/11/19 09:41	7439-97-6	
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Acetone	<683	ug/kg	683	205	1	12/04/19 10:15	12/05/19 00:35	67-64-1	W
Allyl chloride	<308	ug/kg	308	92.5	1	12/04/19 10:15	12/05/19 00:35	107-05-1	W
Benzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	71-43-2	W
Bromobenzene	<62.0	ug/kg	62.0	25.0	1	12/04/19 10:15	12/05/19 00:35	108-86-1	W
Bromochloromethane	<70.0	ug/kg	70.0	25.0	1	12/04/19 10:15	12/05/19 00:35	74-97-5	W
Bromodichloromethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	75-27-4	W
Bromoform	<72.0	ug/kg	72.0	25.0	1	12/04/19 10:15	12/05/19 00:35	75-25-2	W
Bromomethane	<250	ug/kg	250	63.8	1	12/04/19 10:15	12/05/19 00:35	74-83-9	W
2-Butanone (MEK)	<585	ug/kg	585	176	1	12/04/19 10:15	12/05/19 00:35	78-93-3	W
n-Butylbenzene	<100	ug/kg	100	30.0	1	12/04/19 10:15	12/05/19 00:35	104-51-8	W
sec-Butylbenzene	<72.0	ug/kg	72.0	25.0	1	12/04/19 10:15	12/05/19 00:35	135-98-8	W
tert-Butylbenzene	<62.0	ug/kg	62.0	25.0	1	12/04/19 10:15	12/05/19 00:35	98-06-6	W
Carbon tetrachloride	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	56-23-5	W
Chlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	108-90-7	W
Chloroethane	<250	ug/kg	250	46.4	1	12/04/19 10:15	12/05/19 00:35	75-00-3	W
Chloroform	<250	ug/kg	250	47.5	1	12/04/19 10:15	12/05/19 00:35	67-66-3	W
Chloromethane	<80.0	ug/kg	80.0	25.0	1	12/04/19 10:15	12/05/19 00:35	74-87-3	W
2-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/04/19 10:15	12/05/19 00:35	95-49-8	W
4-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/04/19 10:15	12/05/19 00:35	106-43-4	W
1,2-Dibromo-3-chloropropane	<789	ug/kg	789	237	1	12/04/19 10:15	12/05/19 00:35	96-12-8	W
Dibromochloromethane	<763	ug/kg	763	229	1	12/04/19 10:15	12/05/19 00:35	124-48-1	W
1,2-Dibromoethane (EDB)	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	106-93-4	W
Dibromomethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	74-95-3	W
1,2-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	95-50-1	W
1,3-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	541-73-1	W
1,4-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	106-46-7	W
Dichlorodifluoromethane	<72.0	ug/kg	72.0	25.0	1	12/04/19 10:15	12/05/19 00:35	75-71-8	W
1,1-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	75-34-3	W
1,2-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	107-06-2	W
1,1-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	75-35-4	W
cis-1,2-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	156-59-2	W
trans-1,2-Dichloroethene	<67.0	ug/kg	67.0	25.0	1	12/04/19 10:15	12/05/19 00:35	156-60-5	W
Dichlorofluoromethane	<95.0	ug/kg	95.0	28.6	1	12/04/19 10:15	12/05/19 00:35	75-43-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Sample: SB-1 (10-12) **Lab ID: 10501003002** Collected: 11/26/19 09:15 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	78-87-5	W
1,3-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	142-28-9	W
2,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	594-20-7	W
1,1-Dichloropropene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	563-58-6	W
cis-1,3-Dichloropropene	<141	ug/kg	141	42.3	1	12/04/19 10:15	12/05/19 00:35	10061-01-5	W
trans-1,3-Dichloropropene	<74.0	ug/kg	74.0	25.0	1	12/04/19 10:15	12/05/19 00:35	10061-02-6	W
Diethyl ether (Ethyl ether)	<78.0	ug/kg	78.0	25.0	1	12/04/19 10:15	12/05/19 00:35	60-29-7	W
Ethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	100-41-4	W
Hexachloro-1,3-butadiene	<229	ug/kg	229	68.7	1	12/04/19 10:15	12/05/19 00:35	87-68-3	W
Isopropylbenzene (Cumene)	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	98-82-8	W
p-Isopropyltoluene	<72.0	ug/kg	72.0	25.0	1	12/04/19 10:15	12/05/19 00:35	99-87-6	W
Methylene Chloride	<88.0	ug/kg	88.0	26.3	1	12/04/19 10:15	12/05/19 00:35	75-09-2	W
4-Methyl-2-pentanone (MIBK)	<433	ug/kg	433	130	1	12/04/19 10:15	12/05/19 00:35	108-10-1	W
Methyl-tert-butyl ether	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	1634-04-4	W
Naphthalene	<91.0	ug/kg	91.0	27.3	1	12/04/19 10:15	12/05/19 00:35	91-20-3	W
n-Propylbenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	103-65-1	W
Styrene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	100-42-5	W
1,1,1,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	630-20-6	W
1,1,1,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	79-34-5	W
Tetrachloroethene	<129	ug/kg	129	38.7	1	12/04/19 10:15	12/05/19 00:35	127-18-4	W
Tetrahydrofuran	<417	ug/kg	417	125	1	12/04/19 10:15	12/05/19 00:35	109-99-9	W
Toluene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	108-88-3	W
1,2,3-Trichlorobenzene	<158	ug/kg	158	47.3	1	12/04/19 10:15	12/05/19 00:35	87-61-6	W
1,2,4-Trichlorobenzene	<250	ug/kg	250	41.7	1	12/04/19 10:15	12/05/19 00:35	120-82-1	W
1,1,1-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	71-55-6	W
1,1,2-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	79-00-5	W
Trichloroethene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	79-01-6	W
Trichlorofluoromethane	<65.0	ug/kg	65.0	25.0	1	12/04/19 10:15	12/05/19 00:35	75-69-4	W
1,2,3-Trichloropropane	<125	ug/kg	125	37.4	1	12/04/19 10:15	12/05/19 00:35	96-18-4	W
1,1,2-Trichlorotrifluoroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	76-13-1	W
1,2,4-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	95-63-6	W
1,3,5-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	108-67-8	W
Vinyl chloride	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:35	75-01-4	W
Xylene (Total)	<180	ug/kg	180	75.0	1	12/04/19 10:15	12/05/19 00:35	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	77	%	57-146		1	12/04/19 10:15	12/05/19 00:35	1868-53-7	
Toluene-d8 (S)	96	%	64-134		1	12/04/19 10:15	12/05/19 00:35	2037-26-5	
4-Bromofluorobenzene (S)	90	%	54-126		1	12/04/19 10:15	12/05/19 00:35	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	13.8	%	0.10	0.10	1		12/05/19 18:12		
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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Sample: SB-2 (6-8) **Lab ID: 10501003003** Collected: 11/26/19 09:30 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	<5.5	mg/kg	5.5	1.6	1	12/09/19 06:32	12/09/19 13:49	7440-38-2	
Barium	10.7	mg/kg	0.56	0.17	1	12/09/19 06:32	12/09/19 13:49	7440-39-3	
Cadmium	<0.56	mg/kg	0.56	0.15	1	12/09/19 06:32	12/09/19 13:49	7440-43-9	
Chromium	3.9	mg/kg	1.1	0.31	1	12/09/19 06:32	12/09/19 13:49	7440-47-3	
Lead	1.5J	mg/kg	2.2	0.67	1	12/09/19 06:32	12/09/19 13:49	7439-92-1	
Selenium	<4.9	mg/kg	4.9	1.5	1	12/09/19 06:32	12/09/19 13:49	7782-49-2	
Silver	<1.1	mg/kg	1.1	0.34	1	12/09/19 06:32	12/09/19 13:49	7440-22-4	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	<0.040	mg/kg	0.040	0.012	1	12/10/19 11:41	12/11/19 09:48	7439-97-6	
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Acetone	<683	ug/kg	683	205	1	12/04/19 10:15	12/05/19 00:52	67-64-1	W
Allyl chloride	<308	ug/kg	308	92.5	1	12/04/19 10:15	12/05/19 00:52	107-05-1	W
Benzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	71-43-2	W
Bromobenzene	<62.0	ug/kg	62.0	25.0	1	12/04/19 10:15	12/05/19 00:52	108-86-1	W
Bromochloromethane	<70.0	ug/kg	70.0	25.0	1	12/04/19 10:15	12/05/19 00:52	74-97-5	W
Bromodichloromethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	75-27-4	W
Bromoform	<72.0	ug/kg	72.0	25.0	1	12/04/19 10:15	12/05/19 00:52	75-25-2	W
Bromomethane	<250	ug/kg	250	63.8	1	12/04/19 10:15	12/05/19 00:52	74-83-9	W
2-Butanone (MEK)	<585	ug/kg	585	176	1	12/04/19 10:15	12/05/19 00:52	78-93-3	W
n-Butylbenzene	<100	ug/kg	100	30.0	1	12/04/19 10:15	12/05/19 00:52	104-51-8	W
sec-Butylbenzene	<72.0	ug/kg	72.0	25.0	1	12/04/19 10:15	12/05/19 00:52	135-98-8	W
tert-Butylbenzene	<62.0	ug/kg	62.0	25.0	1	12/04/19 10:15	12/05/19 00:52	98-06-6	W
Carbon tetrachloride	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	56-23-5	W
Chlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	108-90-7	W
Chloroethane	<250	ug/kg	250	46.4	1	12/04/19 10:15	12/05/19 00:52	75-00-3	W
Chloroform	<250	ug/kg	250	47.5	1	12/04/19 10:15	12/05/19 00:52	67-66-3	W
Chloromethane	<80.0	ug/kg	80.0	25.0	1	12/04/19 10:15	12/05/19 00:52	74-87-3	W
2-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/04/19 10:15	12/05/19 00:52	95-49-8	W
4-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/04/19 10:15	12/05/19 00:52	106-43-4	W
1,2-Dibromo-3-chloropropane	<789	ug/kg	789	237	1	12/04/19 10:15	12/05/19 00:52	96-12-8	W
Dibromochloromethane	<763	ug/kg	763	229	1	12/04/19 10:15	12/05/19 00:52	124-48-1	W
1,2-Dibromoethane (EDB)	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	106-93-4	W
Dibromomethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	74-95-3	W
1,2-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	95-50-1	W
1,3-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	541-73-1	W
1,4-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	106-46-7	W
Dichlorodifluoromethane	<72.0	ug/kg	72.0	25.0	1	12/04/19 10:15	12/05/19 00:52	75-71-8	W
1,1-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	75-34-3	W
1,2-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	107-06-2	W
1,1-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	75-35-4	W
cis-1,2-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	156-59-2	W
trans-1,2-Dichloroethene	<67.0	ug/kg	67.0	25.0	1	12/04/19 10:15	12/05/19 00:52	156-60-5	W
Dichlorofluoromethane	<95.0	ug/kg	95.0	28.6	1	12/04/19 10:15	12/05/19 00:52	75-43-4	W

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Sample: SB-2 (6-8) **Lab ID: 10501003003** Collected: 11/26/19 09:30 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	78-87-5	W
1,3-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	142-28-9	W
2,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	594-20-7	W
1,1-Dichloropropene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	563-58-6	W
cis-1,3-Dichloropropene	<141	ug/kg	141	42.3	1	12/04/19 10:15	12/05/19 00:52	10061-01-5	W
trans-1,3-Dichloropropene	<74.0	ug/kg	74.0	25.0	1	12/04/19 10:15	12/05/19 00:52	10061-02-6	W
Diethyl ether (Ethyl ether)	<78.0	ug/kg	78.0	25.0	1	12/04/19 10:15	12/05/19 00:52	60-29-7	W
Ethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	100-41-4	W
Hexachloro-1,3-butadiene	<229	ug/kg	229	68.7	1	12/04/19 10:15	12/05/19 00:52	87-68-3	W
Isopropylbenzene (Cumene)	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	98-82-8	W
p-Isopropyltoluene	<72.0	ug/kg	72.0	25.0	1	12/04/19 10:15	12/05/19 00:52	99-87-6	W
Methylene Chloride	<88.0	ug/kg	88.0	26.3	1	12/04/19 10:15	12/05/19 00:52	75-09-2	W
4-Methyl-2-pentanone (MIBK)	<433	ug/kg	433	130	1	12/04/19 10:15	12/05/19 00:52	108-10-1	W
Methyl-tert-butyl ether	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	1634-04-4	W
Naphthalene	<91.0	ug/kg	91.0	27.3	1	12/04/19 10:15	12/05/19 00:52	91-20-3	W
n-Propylbenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	103-65-1	W
Styrene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	100-42-5	W
1,1,1,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	79-34-5	W
Tetrachloroethene	<129	ug/kg	129	38.7	1	12/04/19 10:15	12/05/19 00:52	127-18-4	W
Tetrahydrofuran	<417	ug/kg	417	125	1	12/04/19 10:15	12/05/19 00:52	109-99-9	W
Toluene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	108-88-3	W
1,2,3-Trichlorobenzene	<158	ug/kg	158	47.3	1	12/04/19 10:15	12/05/19 00:52	87-61-6	W
1,2,4-Trichlorobenzene	<250	ug/kg	250	41.7	1	12/04/19 10:15	12/05/19 00:52	120-82-1	W
1,1,1-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	71-55-6	W
1,1,2-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	79-00-5	W
Trichloroethene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	79-01-6	W
Trichlorofluoromethane	<65.0	ug/kg	65.0	25.0	1	12/04/19 10:15	12/05/19 00:52	75-69-4	W
1,2,3-Trichloropropane	<125	ug/kg	125	37.4	1	12/04/19 10:15	12/05/19 00:52	96-18-4	W
1,1,2-Trichlorotrifluoroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	76-13-1	W
1,2,4-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	95-63-6	W
1,3,5-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	108-67-8	W
Vinyl chloride	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 00:52	75-01-4	W
Xylene (Total)	<180	ug/kg	180	75.0	1	12/04/19 10:15	12/05/19 00:52	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	82	%	57-146		1	12/04/19 10:15	12/05/19 00:52	1868-53-7	
Toluene-d8 (S)	101	%	64-134		1	12/04/19 10:15	12/05/19 00:52	2037-26-5	
4-Bromofluorobenzene (S)	94	%	54-126		1	12/04/19 10:15	12/05/19 00:52	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	14.3	%	0.10	0.10	1		12/05/19 18:12		
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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Sample: SB-2 (10-12) **Lab ID: 10501003004** Collected: 11/26/19 09:35 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	<5.2	mg/kg	5.2	1.6	1	12/09/19 06:32	12/09/19 13:51	7440-38-2	
Barium	6.9	mg/kg	0.53	0.16	1	12/09/19 06:32	12/09/19 13:51	7440-39-3	
Cadmium	<0.53	mg/kg	0.53	0.14	1	12/09/19 06:32	12/09/19 13:51	7440-43-9	
Chromium	2.8	mg/kg	1.1	0.29	1	12/09/19 06:32	12/09/19 13:51	7440-47-3	
Lead	0.96J	mg/kg	2.1	0.63	1	12/09/19 06:32	12/09/19 13:51	7439-92-1	
Selenium	<4.6	mg/kg	4.6	1.4	1	12/09/19 06:32	12/09/19 13:51	7782-49-2	
Silver	<1.1	mg/kg	1.1	0.33	1	12/09/19 06:32	12/09/19 13:51	7440-22-4	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	<0.039	mg/kg	0.039	0.012	1	12/10/19 11:41	12/11/19 09:50	7439-97-6	
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Acetone	<683	ug/kg	683	205	1	12/04/19 10:15	12/05/19 01:09	67-64-1	W
Allyl chloride	<308	ug/kg	308	92.5	1	12/04/19 10:15	12/05/19 01:09	107-05-1	W
Benzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	71-43-2	W
Bromobenzene	<62.0	ug/kg	62.0	25.0	1	12/04/19 10:15	12/05/19 01:09	108-86-1	W
Bromochloromethane	<70.0	ug/kg	70.0	25.0	1	12/04/19 10:15	12/05/19 01:09	74-97-5	W
Bromodichloromethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	75-27-4	W
Bromoform	<72.0	ug/kg	72.0	25.0	1	12/04/19 10:15	12/05/19 01:09	75-25-2	W
Bromomethane	<250	ug/kg	250	63.8	1	12/04/19 10:15	12/05/19 01:09	74-83-9	W
2-Butanone (MEK)	<585	ug/kg	585	176	1	12/04/19 10:15	12/05/19 01:09	78-93-3	W
n-Butylbenzene	<100	ug/kg	100	30.0	1	12/04/19 10:15	12/05/19 01:09	104-51-8	W
sec-Butylbenzene	<72.0	ug/kg	72.0	25.0	1	12/04/19 10:15	12/05/19 01:09	135-98-8	W
tert-Butylbenzene	<62.0	ug/kg	62.0	25.0	1	12/04/19 10:15	12/05/19 01:09	98-06-6	W
Carbon tetrachloride	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	56-23-5	W
Chlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	108-90-7	W
Chloroethane	<250	ug/kg	250	46.4	1	12/04/19 10:15	12/05/19 01:09	75-00-3	W
Chloroform	<250	ug/kg	250	47.5	1	12/04/19 10:15	12/05/19 01:09	67-66-3	W
Chloromethane	<80.0	ug/kg	80.0	25.0	1	12/04/19 10:15	12/05/19 01:09	74-87-3	W
2-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/04/19 10:15	12/05/19 01:09	95-49-8	W
4-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/04/19 10:15	12/05/19 01:09	106-43-4	W
1,2-Dibromo-3-chloropropane	<789	ug/kg	789	237	1	12/04/19 10:15	12/05/19 01:09	96-12-8	W
Dibromochloromethane	<763	ug/kg	763	229	1	12/04/19 10:15	12/05/19 01:09	124-48-1	W
1,2-Dibromoethane (EDB)	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	106-93-4	W
Dibromomethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	74-95-3	W
1,2-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	95-50-1	W
1,3-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	541-73-1	W
1,4-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	106-46-7	W
Dichlorodifluoromethane	<72.0	ug/kg	72.0	25.0	1	12/04/19 10:15	12/05/19 01:09	75-71-8	W
1,1-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	75-34-3	W
1,2-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	107-06-2	W
1,1-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	75-35-4	W
cis-1,2-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	156-59-2	W
trans-1,2-Dichloroethene	<67.0	ug/kg	67.0	25.0	1	12/04/19 10:15	12/05/19 01:09	156-60-5	W
Dichlorofluoromethane	<95.0	ug/kg	95.0	28.6	1	12/04/19 10:15	12/05/19 01:09	75-43-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Sample: **SB-2 (10-12)** Lab ID: **10501003004** Collected: 11/26/19 09:35 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	78-87-5	W
1,3-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	142-28-9	W
2,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	594-20-7	W
1,1-Dichloropropene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	563-58-6	W
cis-1,3-Dichloropropene	<141	ug/kg	141	42.3	1	12/04/19 10:15	12/05/19 01:09	10061-01-5	W
trans-1,3-Dichloropropene	<74.0	ug/kg	74.0	25.0	1	12/04/19 10:15	12/05/19 01:09	10061-02-6	W
Diethyl ether (Ethyl ether)	<78.0	ug/kg	78.0	25.0	1	12/04/19 10:15	12/05/19 01:09	60-29-7	W
Ethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	100-41-4	W
Hexachloro-1,3-butadiene	<229	ug/kg	229	68.7	1	12/04/19 10:15	12/05/19 01:09	87-68-3	W
Isopropylbenzene (Cumene)	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	98-82-8	W
p-Isopropyltoluene	<72.0	ug/kg	72.0	25.0	1	12/04/19 10:15	12/05/19 01:09	99-87-6	W
Methylene Chloride	<88.0	ug/kg	88.0	26.3	1	12/04/19 10:15	12/05/19 01:09	75-09-2	W
4-Methyl-2-pentanone (MIBK)	<433	ug/kg	433	130	1	12/04/19 10:15	12/05/19 01:09	108-10-1	W
Methyl-tert-butyl ether	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	1634-04-4	W
Naphthalene	<91.0	ug/kg	91.0	27.3	1	12/04/19 10:15	12/05/19 01:09	91-20-3	W
n-Propylbenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	103-65-1	W
Styrene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	100-42-5	W
1,1,1,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	630-20-6	W
1,1,1,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	79-34-5	W
Tetrachloroethene	<129	ug/kg	129	38.7	1	12/04/19 10:15	12/05/19 01:09	127-18-4	W
Tetrahydrofuran	<417	ug/kg	417	125	1	12/04/19 10:15	12/05/19 01:09	109-99-9	W
Toluene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	108-88-3	W
1,2,3-Trichlorobenzene	<158	ug/kg	158	47.3	1	12/04/19 10:15	12/05/19 01:09	87-61-6	W
1,2,4-Trichlorobenzene	<250	ug/kg	250	41.7	1	12/04/19 10:15	12/05/19 01:09	120-82-1	W
1,1,1-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	71-55-6	W
1,1,2-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	79-00-5	W
Trichloroethene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	79-01-6	W
Trichlorofluoromethane	<65.0	ug/kg	65.0	25.0	1	12/04/19 10:15	12/05/19 01:09	75-69-4	W
1,2,3-Trichloropropane	<125	ug/kg	125	37.4	1	12/04/19 10:15	12/05/19 01:09	96-18-4	W
1,1,2-Trichlorotrifluoroethane	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	76-13-1	W
1,2,4-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	95-63-6	W
1,3,5-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	108-67-8	W
Vinyl chloride	<60.0	ug/kg	60.0	25.0	1	12/04/19 10:15	12/05/19 01:09	75-01-4	W
Xylene (Total)	<180	ug/kg	180	75.0	1	12/04/19 10:15	12/05/19 01:09	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	81	%	57-146		1	12/04/19 10:15	12/05/19 01:09	1868-53-7	
Toluene-d8 (S)	99	%	64-134		1	12/04/19 10:15	12/05/19 01:09	2037-26-5	
4-Bromofluorobenzene (S)	91	%	54-126		1	12/04/19 10:15	12/05/19 01:09	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	12.5	%	0.10	0.10	1		12/05/19 18:12		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Sample: SB-3 (6-8) **Lab ID: 10501003005** Collected: 11/26/19 09:00 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	<5.1	mg/kg	5.1	1.5	1	12/09/19 06:32	12/09/19 13:54	7440-38-2	
Barium	7.4	mg/kg	0.52	0.16	1	12/09/19 06:32	12/09/19 13:54	7440-39-3	
Cadmium	<0.52	mg/kg	0.52	0.14	1	12/09/19 06:32	12/09/19 13:54	7440-43-9	
Chromium	2.8	mg/kg	1.0	0.29	1	12/09/19 06:32	12/09/19 13:54	7440-47-3	
Lead	1.1J	mg/kg	2.1	0.62	1	12/09/19 06:32	12/09/19 13:54	7439-92-1	
Selenium	<4.5	mg/kg	4.5	1.4	1	12/09/19 06:32	12/09/19 13:54	7782-49-2	
Silver	<1.0	mg/kg	1.0	0.32	1	12/09/19 06:32	12/09/19 13:54	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.036	mg/kg	0.036	0.011	1	12/10/19 11:41	12/11/19 09:53	7439-97-6	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Acetone	<683	ug/kg	683	205	1	12/05/19 08:15	12/05/19 19:01	67-64-1	W
Allyl chloride	<308	ug/kg	308	92.5	1	12/05/19 08:15	12/05/19 19:01	107-05-1	W
Benzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	71-43-2	W
Bromobenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 19:01	108-86-1	W
Bromochloromethane	<70.0	ug/kg	70.0	25.0	1	12/05/19 08:15	12/05/19 19:01	74-97-5	W
Bromodichloromethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	75-27-4	W
Bromoform	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 19:01	75-25-2	W
Bromomethane	<250	ug/kg	250	63.8	1	12/05/19 08:15	12/05/19 19:01	74-83-9	W
2-Butanone (MEK)	<585	ug/kg	585	176	1	12/05/19 08:15	12/05/19 19:01	78-93-3	W
n-Butylbenzene	<100	ug/kg	100	30.0	1	12/05/19 08:15	12/05/19 19:01	104-51-8	W
sec-Butylbenzene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 19:01	135-98-8	W
tert-Butylbenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 19:01	98-06-6	W
Carbon tetrachloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	56-23-5	W
Chlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	108-90-7	W
Chloroethane	<250	ug/kg	250	46.4	1	12/05/19 08:15	12/05/19 19:01	75-00-3	W
Chloroform	<250	ug/kg	250	47.5	1	12/05/19 08:15	12/05/19 19:01	67-66-3	W
Chloromethane	<80.0	ug/kg	80.0	25.0	1	12/05/19 08:15	12/05/19 19:01	74-87-3	W
2-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 19:01	95-49-8	W
4-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 19:01	106-43-4	W
1,2-Dibromo-3-chloropropane	<789	ug/kg	789	237	1	12/05/19 08:15	12/05/19 19:01	96-12-8	W
Dibromochloromethane	<763	ug/kg	763	229	1	12/05/19 08:15	12/05/19 19:01	124-48-1	W
1,2-Dibromoethane (EDB)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	106-93-4	W
Dibromomethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	74-95-3	W
1,2-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	95-50-1	W
1,3-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	541-73-1	W
1,4-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	106-46-7	W
Dichlorodifluoromethane	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 19:01	75-71-8	W
1,1-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	75-34-3	W
1,2-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	107-06-2	W
1,1-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	75-35-4	W
cis-1,2-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	156-59-2	W
trans-1,2-Dichloroethene	<67.0	ug/kg	67.0	25.0	1	12/05/19 08:15	12/05/19 19:01	156-60-5	W
Dichlorofluoromethane	<95.0	ug/kg	95.0	28.6	1	12/05/19 08:15	12/05/19 19:01	75-43-4	W

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Sample: SB-3 (6-8) **Lab ID: 10501003005** Collected: 11/26/19 09:00 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	78-87-5	W
1,3-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	142-28-9	W
2,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	594-20-7	W
1,1-Dichloropropene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	563-58-6	W
cis-1,3-Dichloropropene	<141	ug/kg	141	42.3	1	12/05/19 08:15	12/05/19 19:01	10061-01-5	W
trans-1,3-Dichloropropene	<74.0	ug/kg	74.0	25.0	1	12/05/19 08:15	12/05/19 19:01	10061-02-6	W
Diethyl ether (Ethyl ether)	<78.0	ug/kg	78.0	25.0	1	12/05/19 08:15	12/05/19 19:01	60-29-7	W
Ethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	100-41-4	W
Hexachloro-1,3-butadiene	<229	ug/kg	229	68.7	1	12/05/19 08:15	12/05/19 19:01	87-68-3	W
Isopropylbenzene (Cumene)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	98-82-8	W
p-Isopropyltoluene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 19:01	99-87-6	W
Methylene Chloride	<88.0	ug/kg	88.0	26.3	1	12/05/19 08:15	12/05/19 19:01	75-09-2	W
4-Methyl-2-pentanone (MIBK)	<433	ug/kg	433	130	1	12/05/19 08:15	12/05/19 19:01	108-10-1	W
Methyl-tert-butyl ether	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	1634-04-4	W
Naphthalene	<91.0	ug/kg	91.0	27.3	1	12/05/19 08:15	12/05/19 19:01	91-20-3	W
n-Propylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	103-65-1	W
Styrene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	100-42-5	W
1,1,1,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	630-20-6	W
1,1,2,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	79-34-5	W
Tetrachloroethene	<129	ug/kg	129	38.7	1	12/05/19 08:15	12/05/19 19:01	127-18-4	W
Tetrahydrofuran	<417	ug/kg	417	125	1	12/05/19 08:15	12/05/19 19:01	109-99-9	W
Toluene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	108-88-3	W
1,2,3-Trichlorobenzene	<158	ug/kg	158	47.3	1	12/05/19 08:15	12/05/19 19:01	87-61-6	W
1,2,4-Trichlorobenzene	<250	ug/kg	250	41.7	1	12/05/19 08:15	12/05/19 19:01	120-82-1	W
1,1,1-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	71-55-6	W
1,1,2-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	79-00-5	W
Trichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	79-01-6	W
Trichlorofluoromethane	<65.0	ug/kg	65.0	25.0	1	12/05/19 08:15	12/05/19 19:01	75-69-4	W
1,2,3-Trichloropropane	<125	ug/kg	125	37.4	1	12/05/19 08:15	12/05/19 19:01	96-18-4	W
1,1,2-Trichlorotrifluoroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	76-13-1	W
1,2,4-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	95-63-6	W
1,3,5-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	108-67-8	W
Vinyl chloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:01	75-01-4	W
Xylene (Total)	<180	ug/kg	180	75.0	1	12/05/19 08:15	12/05/19 19:01	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	97	%	57-146		1	12/05/19 08:15	12/05/19 19:01	1868-53-7	
Toluene-d8 (S)	98	%	64-134		1	12/05/19 08:15	12/05/19 19:01	2037-26-5	
4-Bromofluorobenzene (S)	89	%	54-126		1	12/05/19 08:15	12/05/19 19:01	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	3.9	%	0.10	0.10	1		12/05/19 18:12		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Sample: SB-3 (10-12) **Lab ID: 10501003006** Collected: 11/26/19 09:55 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	<6.1	mg/kg	6.1	1.8	1	12/09/19 06:32	12/09/19 13:56	7440-38-2	
Barium	6.7	mg/kg	0.63	0.19	1	12/09/19 06:32	12/09/19 13:56	7440-39-3	
Cadmium	<0.63	mg/kg	0.63	0.17	1	12/09/19 06:32	12/09/19 13:56	7440-43-9	
Chromium	2.7	mg/kg	1.3	0.35	1	12/09/19 06:32	12/09/19 13:56	7440-47-3	
Lead	1.2J	mg/kg	2.5	0.75	1	12/09/19 06:32	12/09/19 13:56	7439-92-1	
Selenium	<5.5	mg/kg	5.5	1.6	1	12/09/19 06:32	12/09/19 13:56	7782-49-2	
Silver	<1.3	mg/kg	1.3	0.38	1	12/09/19 06:32	12/09/19 13:56	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.044	mg/kg	0.044	0.013	1	12/10/19 11:41	12/11/19 09:55	7439-97-6	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Acetone	<683	ug/kg	683	205	1	12/05/19 08:15	12/05/19 19:24	67-64-1	W
Allyl chloride	<308	ug/kg	308	92.5	1	12/05/19 08:15	12/05/19 19:24	107-05-1	W
Benzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	71-43-2	W
Bromobenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 19:24	108-86-1	W
Bromochloromethane	<70.0	ug/kg	70.0	25.0	1	12/05/19 08:15	12/05/19 19:24	74-97-5	W
Bromodichloromethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	75-27-4	W
Bromoform	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 19:24	75-25-2	W
Bromomethane	<250	ug/kg	250	63.8	1	12/05/19 08:15	12/05/19 19:24	74-83-9	W
2-Butanone (MEK)	<585	ug/kg	585	176	1	12/05/19 08:15	12/05/19 19:24	78-93-3	W
n-Butylbenzene	<100	ug/kg	100	30.0	1	12/05/19 08:15	12/05/19 19:24	104-51-8	W
sec-Butylbenzene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 19:24	135-98-8	W
tert-Butylbenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 19:24	98-06-6	W
Carbon tetrachloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	56-23-5	W
Chlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	108-90-7	W
Chloroethane	<250	ug/kg	250	46.4	1	12/05/19 08:15	12/05/19 19:24	75-00-3	W
Chloroform	<250	ug/kg	250	47.5	1	12/05/19 08:15	12/05/19 19:24	67-66-3	W
Chloromethane	<80.0	ug/kg	80.0	25.0	1	12/05/19 08:15	12/05/19 19:24	74-87-3	W
2-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 19:24	95-49-8	W
4-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 19:24	106-43-4	W
1,2-Dibromo-3-chloropropane	<789	ug/kg	789	237	1	12/05/19 08:15	12/05/19 19:24	96-12-8	W
Dibromochloromethane	<763	ug/kg	763	229	1	12/05/19 08:15	12/05/19 19:24	124-48-1	W
1,2-Dibromoethane (EDB)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	106-93-4	W
Dibromomethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	74-95-3	W
1,2-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	95-50-1	W
1,3-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	541-73-1	W
1,4-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	106-46-7	W
Dichlorodifluoromethane	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 19:24	75-71-8	W
1,1-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	75-34-3	W
1,2-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	107-06-2	W
1,1-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	75-35-4	W
cis-1,2-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	156-59-2	W
trans-1,2-Dichloroethene	<67.0	ug/kg	67.0	25.0	1	12/05/19 08:15	12/05/19 19:24	156-60-5	W
Dichlorofluoromethane	<95.0	ug/kg	95.0	28.6	1	12/05/19 08:15	12/05/19 19:24	75-43-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Sample: SB-3 (10-12) **Lab ID: 10501003006** Collected: 11/26/19 09:55 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	78-87-5	W
1,3-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	142-28-9	W
2,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	594-20-7	W
1,1-Dichloropropene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	563-58-6	W
cis-1,3-Dichloropropene	<141	ug/kg	141	42.3	1	12/05/19 08:15	12/05/19 19:24	10061-01-5	W
trans-1,3-Dichloropropene	<74.0	ug/kg	74.0	25.0	1	12/05/19 08:15	12/05/19 19:24	10061-02-6	W
Diethyl ether (Ethyl ether)	<78.0	ug/kg	78.0	25.0	1	12/05/19 08:15	12/05/19 19:24	60-29-7	W
Ethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	100-41-4	W
Hexachloro-1,3-butadiene	<229	ug/kg	229	68.7	1	12/05/19 08:15	12/05/19 19:24	87-68-3	W
Isopropylbenzene (Cumene)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	98-82-8	W
p-Isopropyltoluene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 19:24	99-87-6	W
Methylene Chloride	<88.0	ug/kg	88.0	26.3	1	12/05/19 08:15	12/05/19 19:24	75-09-2	W
4-Methyl-2-pentanone (MIBK)	<433	ug/kg	433	130	1	12/05/19 08:15	12/05/19 19:24	108-10-1	W
Methyl-tert-butyl ether	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	1634-04-4	W
Naphthalene	<91.0	ug/kg	91.0	27.3	1	12/05/19 08:15	12/05/19 19:24	91-20-3	W
n-Propylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	103-65-1	W
Styrene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	100-42-5	W
1,1,1,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	630-20-6	W
1,1,2,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	79-34-5	W
Tetrachloroethene	<129	ug/kg	129	38.7	1	12/05/19 08:15	12/05/19 19:24	127-18-4	W
Tetrahydrofuran	<417	ug/kg	417	125	1	12/05/19 08:15	12/05/19 19:24	109-99-9	W
Toluene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	108-88-3	W
1,2,3-Trichlorobenzene	<158	ug/kg	158	47.3	1	12/05/19 08:15	12/05/19 19:24	87-61-6	W
1,2,4-Trichlorobenzene	<250	ug/kg	250	41.7	1	12/05/19 08:15	12/05/19 19:24	120-82-1	W
1,1,1-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	71-55-6	W
1,1,2-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	79-00-5	W
Trichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	79-01-6	W
Trichlorofluoromethane	<65.0	ug/kg	65.0	25.0	1	12/05/19 08:15	12/05/19 19:24	75-69-4	W
1,2,3-Trichloropropane	<125	ug/kg	125	37.4	1	12/05/19 08:15	12/05/19 19:24	96-18-4	W
1,1,2-Trichlorotrifluoroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	76-13-1	W
1,2,4-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	95-63-6	W
1,3,5-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	108-67-8	W
Vinyl chloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:24	75-01-4	W
Xylene (Total)	<180	ug/kg	180	75.0	1	12/05/19 08:15	12/05/19 19:24	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	99	%	57-146		1	12/05/19 08:15	12/05/19 19:24	1868-53-7	
Toluene-d8 (S)	100	%	64-134		1	12/05/19 08:15	12/05/19 19:24	2037-26-5	
4-Bromofluorobenzene (S)	89	%	54-126		1	12/05/19 08:15	12/05/19 19:24	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	26.6	%	0.10	0.10	1		12/05/19 18:13		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Sample: SB-4 (6-8) **Lab ID: 10501003007** Collected: 11/26/19 10:45 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	<5.0	mg/kg	5.0	1.5	1	12/09/19 06:32	12/09/19 13:59	7440-38-2	
Barium	8.7	mg/kg	0.52	0.16	1	12/09/19 06:32	12/09/19 13:59	7440-39-3	
Cadmium	<0.52	mg/kg	0.52	0.14	1	12/09/19 06:32	12/09/19 13:59	7440-43-9	
Chromium	3.7	mg/kg	1.0	0.29	1	12/09/19 06:32	12/09/19 13:59	7440-47-3	
Lead	1.5J	mg/kg	2.1	0.62	1	12/09/19 06:32	12/09/19 13:59	7439-92-1	
Selenium	<4.5	mg/kg	4.5	1.4	1	12/09/19 06:32	12/09/19 13:59	7782-49-2	
Silver	<1.0	mg/kg	1.0	0.32	1	12/09/19 06:32	12/09/19 13:59	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.038	mg/kg	0.038	0.011	1	12/10/19 11:41	12/11/19 09:57	7439-97-6	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Acetone	<683	ug/kg	683	205	1	12/05/19 08:15	12/05/19 19:47	67-64-1	W
Allyl chloride	<308	ug/kg	308	92.5	1	12/05/19 08:15	12/05/19 19:47	107-05-1	W
Benzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	71-43-2	W
Bromobenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 19:47	108-86-1	W
Bromochloromethane	<70.0	ug/kg	70.0	25.0	1	12/05/19 08:15	12/05/19 19:47	74-97-5	W
Bromodichloromethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	75-27-4	W
Bromoform	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 19:47	75-25-2	W
Bromomethane	<250	ug/kg	250	63.8	1	12/05/19 08:15	12/05/19 19:47	74-83-9	W
2-Butanone (MEK)	<585	ug/kg	585	176	1	12/05/19 08:15	12/05/19 19:47	78-93-3	W
n-Butylbenzene	<100	ug/kg	100	30.0	1	12/05/19 08:15	12/05/19 19:47	104-51-8	W
sec-Butylbenzene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 19:47	135-98-8	W
tert-Butylbenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 19:47	98-06-6	W
Carbon tetrachloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	56-23-5	W
Chlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	108-90-7	W
Chloroethane	<250	ug/kg	250	46.4	1	12/05/19 08:15	12/05/19 19:47	75-00-3	W
Chloroform	<250	ug/kg	250	47.5	1	12/05/19 08:15	12/05/19 19:47	67-66-3	W
Chloromethane	<80.0	ug/kg	80.0	25.0	1	12/05/19 08:15	12/05/19 19:47	74-87-3	W
2-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 19:47	95-49-8	W
4-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 19:47	106-43-4	W
1,2-Dibromo-3-chloropropane	<789	ug/kg	789	237	1	12/05/19 08:15	12/05/19 19:47	96-12-8	W
Dibromochloromethane	<763	ug/kg	763	229	1	12/05/19 08:15	12/05/19 19:47	124-48-1	W
1,2-Dibromoethane (EDB)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	106-93-4	W
Dibromomethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	74-95-3	W
1,2-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	95-50-1	W
1,3-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	541-73-1	W
1,4-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	106-46-7	W
Dichlorodifluoromethane	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 19:47	75-71-8	W
1,1-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	75-34-3	W
1,2-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	107-06-2	W
1,1-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	75-35-4	W
cis-1,2-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	156-59-2	W
trans-1,2-Dichloroethene	<67.0	ug/kg	67.0	25.0	1	12/05/19 08:15	12/05/19 19:47	156-60-5	W
Dichlorofluoromethane	<95.0	ug/kg	95.0	28.6	1	12/05/19 08:15	12/05/19 19:47	75-43-4	W

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Sample: SB-4 (6-8) **Lab ID: 10501003007** Collected: 11/26/19 10:45 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	78-87-5	W
1,3-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	142-28-9	W
2,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	594-20-7	W
1,1-Dichloropropene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	563-58-6	W
cis-1,3-Dichloropropene	<141	ug/kg	141	42.3	1	12/05/19 08:15	12/05/19 19:47	10061-01-5	W
trans-1,3-Dichloropropene	<74.0	ug/kg	74.0	25.0	1	12/05/19 08:15	12/05/19 19:47	10061-02-6	W
Diethyl ether (Ethyl ether)	<78.0	ug/kg	78.0	25.0	1	12/05/19 08:15	12/05/19 19:47	60-29-7	W
Ethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	100-41-4	W
Hexachloro-1,3-butadiene	<229	ug/kg	229	68.7	1	12/05/19 08:15	12/05/19 19:47	87-68-3	W
Isopropylbenzene (Cumene)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	98-82-8	W
p-Isopropyltoluene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 19:47	99-87-6	W
Methylene Chloride	<88.0	ug/kg	88.0	26.3	1	12/05/19 08:15	12/05/19 19:47	75-09-2	W
4-Methyl-2-pentanone (MIBK)	<433	ug/kg	433	130	1	12/05/19 08:15	12/05/19 19:47	108-10-1	W
Methyl-tert-butyl ether	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	1634-04-4	W
Naphthalene	<91.0	ug/kg	91.0	27.3	1	12/05/19 08:15	12/05/19 19:47	91-20-3	W
n-Propylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	103-65-1	W
Styrene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	100-42-5	W
1,1,1,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	630-20-6	W
1,1,2,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	79-34-5	W
Tetrachloroethene	<129	ug/kg	129	38.7	1	12/05/19 08:15	12/05/19 19:47	127-18-4	W
Tetrahydrofuran	<417	ug/kg	417	125	1	12/05/19 08:15	12/05/19 19:47	109-99-9	W
Toluene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	108-88-3	W
1,2,3-Trichlorobenzene	<158	ug/kg	158	47.3	1	12/05/19 08:15	12/05/19 19:47	87-61-6	W
1,2,4-Trichlorobenzene	<250	ug/kg	250	41.7	1	12/05/19 08:15	12/05/19 19:47	120-82-1	W
1,1,1-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	71-55-6	W
1,1,2-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	79-00-5	W
Trichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	79-01-6	W
Trichlorofluoromethane	<65.0	ug/kg	65.0	25.0	1	12/05/19 08:15	12/05/19 19:47	75-69-4	W
1,2,3-Trichloropropane	<125	ug/kg	125	37.4	1	12/05/19 08:15	12/05/19 19:47	96-18-4	W
1,1,2-Trichlorotrifluoroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	76-13-1	W
1,2,4-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	95-63-6	W
1,3,5-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	108-67-8	W
Vinyl chloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 19:47	75-01-4	W
Xylene (Total)	<180	ug/kg	180	75.0	1	12/05/19 08:15	12/05/19 19:47	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	99	%	57-146		1	12/05/19 08:15	12/05/19 19:47	1868-53-7	
Toluene-d8 (S)	99	%	64-134		1	12/05/19 08:15	12/05/19 19:47	2037-26-5	
4-Bromofluorobenzene (S)	89	%	54-126		1	12/05/19 08:15	12/05/19 19:47	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	11.9	%	0.10	0.10	1		12/12/19 11:32		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Sample: SB-4 (10-12) **Lab ID: 10501003008** Collected: 11/26/19 10:50 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	<5.6	mg/kg	5.6	1.7	1	12/09/19 06:32	12/09/19 14:01	7440-38-2	
Barium	6.8	mg/kg	0.57	0.17	1	12/09/19 06:32	12/09/19 14:01	7440-39-3	
Cadmium	<0.57	mg/kg	0.57	0.15	1	12/09/19 06:32	12/09/19 14:01	7440-43-9	
Chromium	2.4	mg/kg	1.1	0.32	1	12/09/19 06:32	12/09/19 14:01	7440-47-3	
Lead	0.96J	mg/kg	2.3	0.68	1	12/09/19 06:32	12/09/19 14:01	7439-92-1	
Selenium	<5.0	mg/kg	5.0	1.5	1	12/09/19 06:32	12/09/19 14:01	7782-49-2	
Silver	<1.1	mg/kg	1.1	0.35	1	12/09/19 06:32	12/09/19 14:01	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.039	mg/kg	0.039	0.012	1	12/10/19 11:41	12/11/19 09:59	7439-97-6	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Acetone	<683	ug/kg	683	205	1	12/05/19 08:15	12/05/19 20:10	67-64-1	W
Allyl chloride	<308	ug/kg	308	92.5	1	12/05/19 08:15	12/05/19 20:10	107-05-1	W
Benzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	71-43-2	W
Bromobenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 20:10	108-86-1	W
Bromochloromethane	<70.0	ug/kg	70.0	25.0	1	12/05/19 08:15	12/05/19 20:10	74-97-5	W
Bromodichloromethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	75-27-4	W
Bromoform	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 20:10	75-25-2	W
Bromomethane	<250	ug/kg	250	63.8	1	12/05/19 08:15	12/05/19 20:10	74-83-9	W
2-Butanone (MEK)	<585	ug/kg	585	176	1	12/05/19 08:15	12/05/19 20:10	78-93-3	W
n-Butylbenzene	<100	ug/kg	100	30.0	1	12/05/19 08:15	12/05/19 20:10	104-51-8	W
sec-Butylbenzene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 20:10	135-98-8	W
tert-Butylbenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 20:10	98-06-6	W
Carbon tetrachloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	56-23-5	W
Chlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	108-90-7	W
Chloroethane	<250	ug/kg	250	46.4	1	12/05/19 08:15	12/05/19 20:10	75-00-3	W
Chloroform	<250	ug/kg	250	47.5	1	12/05/19 08:15	12/05/19 20:10	67-66-3	W
Chloromethane	<80.0	ug/kg	80.0	25.0	1	12/05/19 08:15	12/05/19 20:10	74-87-3	W
2-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 20:10	95-49-8	W
4-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 20:10	106-43-4	W
1,2-Dibromo-3-chloropropane	<789	ug/kg	789	237	1	12/05/19 08:15	12/05/19 20:10	96-12-8	W
Dibromochloromethane	<763	ug/kg	763	229	1	12/05/19 08:15	12/05/19 20:10	124-48-1	W
1,2-Dibromoethane (EDB)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	106-93-4	W
Dibromomethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	74-95-3	W
1,2-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	95-50-1	W
1,3-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	541-73-1	W
1,4-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	106-46-7	W
Dichlorodifluoromethane	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 20:10	75-71-8	W
1,1-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	75-34-3	W
1,2-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	107-06-2	W
1,1-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	75-35-4	W
cis-1,2-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	156-59-2	W
trans-1,2-Dichloroethene	<67.0	ug/kg	67.0	25.0	1	12/05/19 08:15	12/05/19 20:10	156-60-5	W
Dichlorofluoromethane	<95.0	ug/kg	95.0	28.6	1	12/05/19 08:15	12/05/19 20:10	75-43-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property
Pace Project No.: 10501003

Sample: SB-4 (10-12) **Lab ID: 10501003008** Collected: 11/26/19 10:50 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	78-87-5	W
1,3-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	142-28-9	W
2,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	594-20-7	W
1,1-Dichloropropene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	563-58-6	W
cis-1,3-Dichloropropene	<141	ug/kg	141	42.3	1	12/05/19 08:15	12/05/19 20:10	10061-01-5	W
trans-1,3-Dichloropropene	<74.0	ug/kg	74.0	25.0	1	12/05/19 08:15	12/05/19 20:10	10061-02-6	W
Diethyl ether (Ethyl ether)	<78.0	ug/kg	78.0	25.0	1	12/05/19 08:15	12/05/19 20:10	60-29-7	W
Ethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	100-41-4	W
Hexachloro-1,3-butadiene	<229	ug/kg	229	68.7	1	12/05/19 08:15	12/05/19 20:10	87-68-3	W
Isopropylbenzene (Cumene)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	98-82-8	W
p-Isopropyltoluene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 20:10	99-87-6	W
Methylene Chloride	<88.0	ug/kg	88.0	26.3	1	12/05/19 08:15	12/05/19 20:10	75-09-2	W
4-Methyl-2-pentanone (MIBK)	<433	ug/kg	433	130	1	12/05/19 08:15	12/05/19 20:10	108-10-1	W
Methyl-tert-butyl ether	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	1634-04-4	W
Naphthalene	<91.0	ug/kg	91.0	27.3	1	12/05/19 08:15	12/05/19 20:10	91-20-3	W
n-Propylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	103-65-1	W
Styrene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	100-42-5	W
1,1,1,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	630-20-6	W
1,1,2,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	79-34-5	W
Tetrachloroethene	<129	ug/kg	129	38.7	1	12/05/19 08:15	12/05/19 20:10	127-18-4	W
Tetrahydrofuran	<417	ug/kg	417	125	1	12/05/19 08:15	12/05/19 20:10	109-99-9	W
Toluene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	108-88-3	W
1,2,3-Trichlorobenzene	<158	ug/kg	158	47.3	1	12/05/19 08:15	12/05/19 20:10	87-61-6	W
1,2,4-Trichlorobenzene	<250	ug/kg	250	41.7	1	12/05/19 08:15	12/05/19 20:10	120-82-1	W
1,1,1-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	71-55-6	W
1,1,2-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	79-00-5	W
Trichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	79-01-6	W
Trichlorofluoromethane	<65.0	ug/kg	65.0	25.0	1	12/05/19 08:15	12/05/19 20:10	75-69-4	W
1,2,3-Trichloropropane	<125	ug/kg	125	37.4	1	12/05/19 08:15	12/05/19 20:10	96-18-4	W
1,1,2-Trichlorotrifluoroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	76-13-1	W
1,2,4-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	95-63-6	W
1,3,5-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	108-67-8	W
Vinyl chloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:10	75-01-4	W
Xylene (Total)	<180	ug/kg	180	75.0	1	12/05/19 08:15	12/05/19 20:10	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	95	%	57-146		1	12/05/19 08:15	12/05/19 20:10	1868-53-7	
Toluene-d8 (S)	95	%	64-134		1	12/05/19 08:15	12/05/19 20:10	2037-26-5	
4-Bromofluorobenzene (S)	88	%	54-126		1	12/05/19 08:15	12/05/19 20:10	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	14.9	%	0.10	0.10	1	12/12/19 11:33
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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Sample: Trip Blank **Lab ID:** 10501003009 **Collected:** 11/26/19 00:00 **Received:** 11/27/19 12:15 **Matrix:** Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Acetone	<683	ug/kg	683	205	1	12/05/19 08:15	12/05/19 16:19	67-64-1	W
Allyl chloride	<308	ug/kg	308	92.5	1	12/05/19 08:15	12/05/19 16:19	107-05-1	W
Benzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	71-43-2	W
Bromobenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 16:19	108-86-1	W
Bromochloromethane	<70.0	ug/kg	70.0	25.0	1	12/05/19 08:15	12/05/19 16:19	74-97-5	W
Bromodichloromethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	75-27-4	W
Bromoform	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 16:19	75-25-2	W
Bromomethane	<250	ug/kg	250	63.8	1	12/05/19 08:15	12/05/19 16:19	74-83-9	W
2-Butanone (MEK)	<585	ug/kg	585	176	1	12/05/19 08:15	12/05/19 16:19	78-93-3	W
n-Butylbenzene	<100	ug/kg	100	30.0	1	12/05/19 08:15	12/05/19 16:19	104-51-8	W
sec-Butylbenzene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 16:19	135-98-8	W
tert-Butylbenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 16:19	98-06-6	W
Carbon tetrachloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	56-23-5	W
Chlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	108-90-7	W
Chloroethane	<250	ug/kg	250	46.4	1	12/05/19 08:15	12/05/19 16:19	75-00-3	W
Chloroform	<250	ug/kg	250	47.5	1	12/05/19 08:15	12/05/19 16:19	67-66-3	W
Chloromethane	<80.0	ug/kg	80.0	25.0	1	12/05/19 08:15	12/05/19 16:19	74-87-3	W
2-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 16:19	95-49-8	W
4-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 16:19	106-43-4	W
1,2-Dibromo-3-chloropropane	<789	ug/kg	789	237	1	12/05/19 08:15	12/05/19 16:19	96-12-8	W
Dibromochloromethane	<763	ug/kg	763	229	1	12/05/19 08:15	12/05/19 16:19	124-48-1	W
1,2-Dibromoethane (EDB)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	106-93-4	W
Dibromomethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	74-95-3	W
1,2-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	95-50-1	W
1,3-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	541-73-1	W
1,4-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	106-46-7	W
Dichlorodifluoromethane	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 16:19	75-71-8	W
1,1-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	75-34-3	W
1,2-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	107-06-2	W
1,1-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	75-35-4	W
cis-1,2-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	156-59-2	W
trans-1,2-Dichloroethene	<67.0	ug/kg	67.0	25.0	1	12/05/19 08:15	12/05/19 16:19	156-60-5	W
Dichlorofluoromethane	<95.0	ug/kg	95.0	28.6	1	12/05/19 08:15	12/05/19 16:19	75-43-4	W
1,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	78-87-5	W
1,3-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	142-28-9	W
2,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	594-20-7	W
1,1-Dichloropropene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	563-58-6	W
cis-1,3-Dichloropropene	<141	ug/kg	141	42.3	1	12/05/19 08:15	12/05/19 16:19	10061-01-5	W
trans-1,3-Dichloropropene	<74.0	ug/kg	74.0	25.0	1	12/05/19 08:15	12/05/19 16:19	10061-02-6	W
Diethyl ether (Ethyl ether)	<78.0	ug/kg	78.0	25.0	1	12/05/19 08:15	12/05/19 16:19	60-29-7	W
Ethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	100-41-4	W
Hexachloro-1,3-butadiene	<229	ug/kg	229	68.7	1	12/05/19 08:15	12/05/19 16:19	87-68-3	W
Isopropylbenzene (Cumene)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	98-82-8	W
p-Isopropyltoluene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 16:19	99-87-6	W
Methylene Chloride	<88.0	ug/kg	88.0	26.3	1	12/05/19 08:15	12/05/19 16:19	75-09-2	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Sample: Trip Blank **Lab ID: 10501003009** Collected: 11/26/19 00:00 Received: 11/27/19 12:15 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
4-Methyl-2-pentanone (MIBK)	<433	ug/kg	433	130	1	12/05/19 08:15	12/05/19 16:19	108-10-1	W
Methyl-tert-butyl ether	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	1634-04-4	W
Naphthalene	<91.0	ug/kg	91.0	27.3	1	12/05/19 08:15	12/05/19 16:19	91-20-3	W
n-Propylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	103-65-1	W
Styrene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	100-42-5	W
1,1,1,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	630-20-6	W
1,1,2,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	79-34-5	W
Tetrachloroethene	<129	ug/kg	129	38.7	1	12/05/19 08:15	12/05/19 16:19	127-18-4	W
Tetrahydrofuran	<417	ug/kg	417	125	1	12/05/19 08:15	12/05/19 16:19	109-99-9	W
Toluene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	108-88-3	W
1,2,3-Trichlorobenzene	<158	ug/kg	158	47.3	1	12/05/19 08:15	12/05/19 16:19	87-61-6	W
1,2,4-Trichlorobenzene	<250	ug/kg	250	41.7	1	12/05/19 08:15	12/05/19 16:19	120-82-1	W
1,1,1-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	71-55-6	W
1,1,2-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	79-00-5	W
Trichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	79-01-6	W
Trichlorofluoromethane	<65.0	ug/kg	65.0	25.0	1	12/05/19 08:15	12/05/19 16:19	75-69-4	W
1,2,3-Trichloropropane	<125	ug/kg	125	37.4	1	12/05/19 08:15	12/05/19 16:19	96-18-4	W
1,1,2-Trichlorotrifluoroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	76-13-1	W
1,2,4-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	95-63-6	W
1,3,5-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	108-67-8	W
Vinyl chloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 16:19	75-01-4	W
Xylene (Total)	<180	ug/kg	180	75.0	1	12/05/19 08:15	12/05/19 16:19	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	101	%	57-146		1	12/05/19 08:15	12/05/19 16:19	1868-53-7	
Toluene-d8 (S)	98	%	64-134		1	12/05/19 08:15	12/05/19 16:19	2037-26-5	
4-Bromofluorobenzene (S)	95	%	54-126		1	12/05/19 08:15	12/05/19 16:19	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

QC Batch: 342974 Analysis Method: EPA 7471
 QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
 Associated Lab Samples: 10501003001, 10501003002, 10501003003, 10501003004, 10501003005, 10501003006, 10501003007, 10501003008

METHOD BLANK: 1991595 Matrix: Solid
 Associated Lab Samples: 10501003001, 10501003002, 10501003003, 10501003004, 10501003005, 10501003006, 10501003007, 10501003008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.035	0.035	12/11/19 08:59	

LABORATORY CONTROL SAMPLE: 1991596

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.89	107	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1991597 1991598

Parameter	Units	40200050001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.032J	1.07	1.07	1.2	1.2	105	106	85-115	2	20	

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property
Pace Project No.: 10501003

QC Batch: 342574 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 10501003001, 10501003002, 10501003003, 10501003004, 10501003005, 10501003006, 10501003007, 10501003008

METHOD BLANK: 1989225 Matrix: Solid
Associated Lab Samples: 10501003001, 10501003002, 10501003003, 10501003004, 10501003005, 10501003006, 10501003007, 10501003008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<4.9	4.9	12/09/19 13:30	
Barium	mg/kg	<0.50	0.50	12/09/19 13:30	
Cadmium	mg/kg	<0.50	0.50	12/09/19 13:30	
Chromium	mg/kg	<1.0	1.0	12/09/19 13:30	
Lead	mg/kg	<2.0	2.0	12/09/19 13:30	
Selenium	mg/kg	<4.4	4.4	12/09/19 13:30	
Silver	mg/kg	<1.0	1.0	12/09/19 13:30	

LABORATORY CONTROL SAMPLE: 1989226

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	48.9	98	80-120	
Barium	mg/kg	50	48.2	96	80-120	
Cadmium	mg/kg	50	49.0	98	80-120	
Chromium	mg/kg	50	49.9	100	80-120	
Lead	mg/kg	50	48.5	97	80-120	
Selenium	mg/kg	50	49.4	99	80-120	
Silver	mg/kg	25	24.2	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1989227 1989228

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10501003001 Result	Spike Conc.	Spike Conc.	Conc.								
Arsenic	mg/kg	3.5J	60.6	60.6	60.6	58.5	56.7	91	88	75-125	3	20	
Barium	mg/kg	44.6	60.6	60.6	60.6	110	114	109	114	75-125	3	20	
Cadmium	mg/kg	<0.61	60.6	60.6	60.6	56.5	55.9	93	92	75-125	1	20	
Chromium	mg/kg	17.8	60.6	60.6	60.6	77.0	77.2	98	98	75-125	0	20	
Lead	mg/kg	7.0	60.6	60.6	60.6	63.0	61.6	92	90	75-125	2	20	
Selenium	mg/kg	<5.3	60.6	60.6	60.6	56.6	55.5	92	90	75-125	2	20	
Silver	mg/kg	<1.2	30.3	30.3	30.3	27.8	27.8	92	92	75-125	0	20	

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

QC Batch: 342498 Analysis Method: EPA 8260
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
 Associated Lab Samples: 10501003002, 10501003003, 10501003004

METHOD BLANK: 1988816 Matrix: Solid

Associated Lab Samples: 10501003002, 10501003003, 10501003004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<50.0	50.0	12/04/19 17:29	
1,1,1-Trichloroethane	ug/kg	<50.0	50.0	12/04/19 17:29	
1,1,2,2-Tetrachloroethane	ug/kg	<52.0	52.0	12/04/19 17:29	
1,1,2-Trichloroethane	ug/kg	<52.0	52.0	12/04/19 17:29	
1,1,2-Trichlorotrifluoroethane	ug/kg	<50.0	50.0	12/04/19 17:29	
1,1-Dichloroethane	ug/kg	<50.0	50.0	12/04/19 17:29	
1,1-Dichloroethene	ug/kg	<50.0	50.0	12/04/19 17:29	
1,1-Dichloropropene	ug/kg	<50.0	50.0	12/04/19 17:29	
1,2,3-Trichlorobenzene	ug/kg	<158	158	12/04/19 17:29	
1,2,3-Trichloropropane	ug/kg	<125	125	12/04/19 17:29	
1,2,4-Trichlorobenzene	ug/kg	<250	250	12/04/19 17:29	
1,2,4-Trimethylbenzene	ug/kg	<60.0	60.0	12/04/19 17:29	
1,2-Dibromo-3-chloropropane	ug/kg	<789	789	12/04/19 17:29	
1,2-Dibromoethane (EDB)	ug/kg	<57.0	57.0	12/04/19 17:29	
1,2-Dichlorobenzene	ug/kg	<50.0	50.0	12/04/19 17:29	
1,2-Dichloroethane	ug/kg	<50.0	50.0	12/04/19 17:29	
1,2-Dichloropropane	ug/kg	<50.0	50.0	12/04/19 17:29	
1,3,5-Trimethylbenzene	ug/kg	<53.0	53.0	12/04/19 17:29	
1,3-Dichlorobenzene	ug/kg	<50.0	50.0	12/04/19 17:29	
1,3-Dichloropropane	ug/kg	<50.0	50.0	12/04/19 17:29	
1,4-Dichlorobenzene	ug/kg	<50.0	50.0	12/04/19 17:29	
2,2-Dichloropropane	ug/kg	<52.0	52.0	12/04/19 17:29	
2-Butanone (MEK)	ug/kg	<585	585	12/04/19 17:29	
2-Chlorotoluene	ug/kg	<64.0	64.0	12/04/19 17:29	
4-Chlorotoluene	ug/kg	<64.0	64.0	12/04/19 17:29	
4-Methyl-2-pentanone (MIBK)	ug/kg	<433	433	12/04/19 17:29	
Acetone	ug/kg	<683	683	12/04/19 17:29	
Allyl chloride	ug/kg	<308	308	12/04/19 17:29	
Benzene	ug/kg	<42.0	42.0	12/04/19 17:29	
Bromobenzene	ug/kg	<62.0	62.0	12/04/19 17:29	
Bromochloromethane	ug/kg	<70.0	70.0	12/04/19 17:29	
Bromodichloromethane	ug/kg	<50.0	50.0	12/04/19 17:29	
Bromoform	ug/kg	<72.0	72.0	12/04/19 17:29	
Bromomethane	ug/kg	<250	250	12/04/19 17:29	
Carbon tetrachloride	ug/kg	<50.0	50.0	12/04/19 17:29	
Chlorobenzene	ug/kg	<56.0	56.0	12/04/19 17:29	
Chloroethane	ug/kg	<250	250	12/04/19 17:29	
Chloroform	ug/kg	<250	250	12/04/19 17:29	
Chloromethane	ug/kg	<80.0	80.0	12/04/19 17:29	
cis-1,2-Dichloroethene	ug/kg	<50.0	50.0	12/04/19 17:29	
cis-1,3-Dichloropropene	ug/kg	<141	141	12/04/19 17:29	

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property
Pace Project No.: 10501003

METHOD BLANK: 1988816 Matrix: Solid
Associated Lab Samples: 10501003002, 10501003003, 10501003004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	<763	763	12/04/19 17:29	
Dibromomethane	ug/kg	<59.0	59.0	12/04/19 17:29	
Dichlorodifluoromethane	ug/kg	<72.0	72.0	12/04/19 17:29	
Dichlorofluoromethane	ug/kg	<95.0	95.0	12/04/19 17:29	
Diethyl ether (Ethyl ether)	ug/kg	<78.0	78.0	12/04/19 17:29	
Ethylbenzene	ug/kg	<50.0	50.0	12/04/19 17:29	
Hexachloro-1,3-butadiene	ug/kg	<229	229	12/04/19 17:29	
Isopropylbenzene (Cumene)	ug/kg	<59.0	59.0	12/04/19 17:29	
Methyl-tert-butyl ether	ug/kg	<54.0	54.0	12/04/19 17:29	
Methylene Chloride	ug/kg	<88.0	88.0	12/04/19 17:29	
n-Butylbenzene	ug/kg	<100	100	12/04/19 17:29	
n-Propylbenzene	ug/kg	<59.0	59.0	12/04/19 17:29	
Naphthalene	ug/kg	<91.0	91.0	12/04/19 17:29	
p-Isopropyltoluene	ug/kg	<72.0	72.0	12/04/19 17:29	
sec-Butylbenzene	ug/kg	<72.0	72.0	12/04/19 17:29	
Styrene	ug/kg	<50.0	50.0	12/04/19 17:29	
tert-Butylbenzene	ug/kg	<62.0	62.0	12/04/19 17:29	
Tetrachloroethene	ug/kg	<129	129	12/04/19 17:29	
Tetrahydrofuran	ug/kg	<417	417	12/04/19 17:29	
Toluene	ug/kg	<50.0	50.0	12/04/19 17:29	
trans-1,2-Dichloroethene	ug/kg	<67.0	67.0	12/04/19 17:29	
trans-1,3-Dichloropropene	ug/kg	<74.0	74.0	12/04/19 17:29	
Trichloroethene	ug/kg	<50.0	50.0	12/04/19 17:29	
Trichlorofluoromethane	ug/kg	<65.0	65.0	12/04/19 17:29	
Vinyl chloride	ug/kg	<50.0	50.0	12/04/19 17:29	
Xylene (Total)	ug/kg	<168	168	12/04/19 17:29	
4-Bromofluorobenzene (S)	%	95	54-126	12/04/19 17:29	
Dibromofluoromethane (S)	%	90	57-146	12/04/19 17:29	
Toluene-d8 (S)	%	104	64-134	12/04/19 17:29	

LABORATORY CONTROL SAMPLE: 1988817

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2640	106	70-132	
1,1,1,2-Tetrachloroethane	ug/kg	2500	2760	110	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2660	106	70-130	
1,1,2-Trichlorotrifluoroethane	ug/kg	2500	2510	100	50-150	
1,1-Dichloroethane	ug/kg	2500	2630	105	70-130	
1,1-Dichloroethene	ug/kg	2500	2310	92	77-126	
1,2,4-Trichlorobenzene	ug/kg	2500	2140	86	66-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2340	94	54-129	
1,2-Dibromoethane (EDB)	ug/kg	2500	2770	111	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2370	95	70-130	
1,2-Dichloroethane	ug/kg	2500	2420	97	70-134	

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

LABORATORY CONTROL SAMPLE: 1988817

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/kg	2500	2530	101	74-124	
1,3-Dichlorobenzene	ug/kg	2500	2530	101	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2410	96	70-130	
Benzene	ug/kg	2500	2490	99	70-130	
Bromodichloromethane	ug/kg	2500	2130	85	70-130	
Bromoform	ug/kg	2500	1990	80	47-115	
Bromomethane	ug/kg	2500	1980	79	64-165	
Carbon tetrachloride	ug/kg	2500	2200	88	70-131	
Chlorobenzene	ug/kg	2500	2550	102	70-130	
Chloroethane	ug/kg	2500	2120	85	28-197	
Chloroform	ug/kg	2500	2330	93	80-131	
Chloromethane	ug/kg	2500	2170	87	45-118	
cis-1,2-Dichloroethene	ug/kg	2500	2580	103	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2230	89	70-130	
Dibromochloromethane	ug/kg	2500	2220	89	70-130	
Dichlorodifluoromethane	ug/kg	2500	2130	85	38-108	
Ethylbenzene	ug/kg	2500	2520	101	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2400	96	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2950	118	70-130	
Methylene Chloride	ug/kg	2500	2080	83	70-130	
Styrene	ug/kg	2500	2360	94	70-130	
Tetrachloroethene	ug/kg	2500	2450	98	70-130	
Toluene	ug/kg	2500	2630	105	80-121	
trans-1,2-Dichloroethene	ug/kg	2500	2610	104	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2330	93	70-130	
Trichloroethene	ug/kg	2500	2550	102	70-130	
Trichlorofluoromethane	ug/kg	2500	2540	101	81-141	
Vinyl chloride	ug/kg	2500	2320	93	68-121	
Xylene (Total)	ug/kg	7500	7570	101	70-130	
4-Bromofluorobenzene (S)	%			104	54-126	
Dibromofluoromethane (S)	%			101	57-146	
Toluene-d8 (S)	%			106	64-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1988818 1988819

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40200141003 Result	Spike Conc.	Spike Conc.	MS Result								
1,1,1-Trichloroethane	ug/kg	<25.0	1420	1420	1250	1420	88	100	64-132	12	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1420	1420	1520	1620	107	114	70-132	6	20		
1,1,2-Trichloroethane	ug/kg	<25.0	1420	1420	1460	1580	103	111	70-130	8	20		
1,1,2-Trichlorotrifluoroethane	ug/kg	<25.0	1420	1420	1120	1300	79	92	50-150	15	29		
1,1-Dichloroethane	ug/kg	<25.0	1420	1420	1260	1420	89	100	70-130	12	20		
1,1-Dichloroethene	ug/kg	<25.0	1420	1420	1040	1180	73	83	65-126	13	21		
1,2,4-Trichlorobenzene	ug/kg	<41.7	1420	1420	1250	1290	88	91	66-139	3	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

Parameter	Units	1988818		1988819		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40200141003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dibromo-3-chloropropane	ug/kg	<237	1420	1420	1350	1440	95	102	47-146	6	23		
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1420	1420	1530	1580	108	112	70-130	3	20		
1,2-Dichlorobenzene	ug/kg	<25.0	1420	1420	1330	1420	94	100	70-130	6	20		
1,2-Dichloroethane	ug/kg	<25.0	1420	1420	1200	1370	85	96	70-136	13	20		
1,2-Dichloropropane	ug/kg	<25.0	1420	1420	1380	1450	98	103	74-124	5	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1420	1420	1420	1520	100	107	70-130	6	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1420	1420	1380	1450	97	102	70-130	5	20		
Benzene	ug/kg	<25.0	1420	1420	1230	1370	87	97	70-130	11	20		
Bromodichloromethane	ug/kg	<25.0	1420	1420	1190	1240	84	87	70-130	4	20		
Bromoform	ug/kg	<25.0	1420	1420	1150	1240	81	87	47-129	8	20		
Bromomethane	ug/kg	<63.8	1420	1420	850	932	60	66	41-180	9	20		
Carbon tetrachloride	ug/kg	<25.0	1420	1420	1160	1270	81	89	58-133	9	20		
Chlorobenzene	ug/kg	<25.0	1420	1420	1400	1510	99	107	70-130	8	20		
Chloroethane	ug/kg	<46.4	1420	1420	920	1050	65	74	28-197	13	20		
Chloroform	ug/kg	<47.5	1420	1420	1180	1300	84	92	80-131	9	20		
Chloromethane	ug/kg	<25.0	1420	1420	745	836	52	59	26-118	12	20		
cis-1,2-Dichloroethene	ug/kg	<25.0	1420	1420	1290	1400	91	99	70-130	8	20		
cis-1,3-Dichloropropene	ug/kg	<42.3	1420	1420	1230	1290	87	91	70-130	4	20		
Dibromochloromethane	ug/kg	<229	1420	1420	1260	1350	89	95	67-130	7	20		
Dichlorodifluoromethane	ug/kg	<25.0	1420	1420	602	719	42	51	12-108	18	29		
Ethylbenzene	ug/kg	<25.0	1420	1420	1370	1460	96	103	80-122	7	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1420	1420	1290	1400	91	98	70-130	8	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1420	1420	1450	1610	102	113	70-130	10	20		
Methylene Chloride	ug/kg	<26.3	1420	1420	1020	1160	72	82	70-130	13	20		
Styrene	ug/kg	<25.0	1420	1420	1340	1410	94	100	70-130	5	20		
Tetrachloroethene	ug/kg	<38.7	1420	1420	1320	1390	93	98	70-130	5	20		
Toluene	ug/kg	<25.0	1420	1420	1460	1530	103	108	80-121	4	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1420	1420	1250	1420	88	100	70-130	12	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1420	1420	1310	1390	92	98	70-130	6	20		
Trichloroethene	ug/kg	<25.0	1420	1420	1370	1440	97	102	70-130	5	20		
Trichlorofluoromethane	ug/kg	<25.0	1420	1420	1040	1240	74	87	60-141	17	26		
Vinyl chloride	ug/kg	<25.0	1420	1420	866	1000	61	71	46-121	15	20		
Xylene (Total)	ug/kg	<75.0	4260	4260	4130	4430	97	104	70-130	7	20		
4-Bromofluorobenzene (S)	%						107	107	54-126				
Dibromofluoromethane (S)	%						101	104	57-146				
Toluene-d8 (S)	%						111	111	64-134				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property
Pace Project No.: 10501003

QC Batch: 342582 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 10501003001, 10501003005, 10501003006, 10501003007, 10501003008, 10501003009

METHOD BLANK: 1989243 Matrix: Solid
Associated Lab Samples: 10501003001, 10501003005, 10501003006, 10501003007, 10501003008, 10501003009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<50.0	50.0	12/05/19 12:51	
1,1,1-Trichloroethane	ug/kg	<50.0	50.0	12/05/19 12:51	
1,1,2,2-Tetrachloroethane	ug/kg	<52.0	52.0	12/05/19 12:51	
1,1,2-Trichloroethane	ug/kg	<52.0	52.0	12/05/19 12:51	
1,1,2-Trichlorotrifluoroethane	ug/kg	<50.0	50.0	12/05/19 12:51	
1,1-Dichloroethane	ug/kg	<50.0	50.0	12/05/19 12:51	
1,1-Dichloroethene	ug/kg	<50.0	50.0	12/05/19 12:51	
1,1-Dichloropropene	ug/kg	<50.0	50.0	12/05/19 12:51	
1,2,3-Trichlorobenzene	ug/kg	<158	158	12/05/19 12:51	
1,2,3-Trichloropropane	ug/kg	<125	125	12/05/19 12:51	
1,2,4-Trichlorobenzene	ug/kg	<250	250	12/05/19 12:51	
1,2,4-Trimethylbenzene	ug/kg	<60.0	60.0	12/05/19 12:51	
1,2-Dibromo-3-chloropropane	ug/kg	<789	789	12/05/19 12:51	
1,2-Dibromoethane (EDB)	ug/kg	<57.0	57.0	12/05/19 12:51	
1,2-Dichlorobenzene	ug/kg	<50.0	50.0	12/05/19 12:51	
1,2-Dichloroethane	ug/kg	<50.0	50.0	12/05/19 12:51	
1,2-Dichloropropane	ug/kg	<50.0	50.0	12/05/19 12:51	
1,3,5-Trimethylbenzene	ug/kg	<53.0	53.0	12/05/19 12:51	
1,3-Dichlorobenzene	ug/kg	<50.0	50.0	12/05/19 12:51	
1,3-Dichloropropane	ug/kg	<50.0	50.0	12/05/19 12:51	
1,4-Dichlorobenzene	ug/kg	<50.0	50.0	12/05/19 12:51	
2,2-Dichloropropane	ug/kg	<52.0	52.0	12/05/19 12:51	
2-Butanone (MEK)	ug/kg	<585	585	12/05/19 12:51	
2-Chlorotoluene	ug/kg	<64.0	64.0	12/05/19 12:51	
4-Chlorotoluene	ug/kg	<64.0	64.0	12/05/19 12:51	
4-Methyl-2-pentanone (MIBK)	ug/kg	<433	433	12/05/19 12:51	
Acetone	ug/kg	<683	683	12/05/19 12:51	
Allyl chloride	ug/kg	<308	308	12/05/19 12:51	
Benzene	ug/kg	<42.0	42.0	12/05/19 12:51	
Bromobenzene	ug/kg	<62.0	62.0	12/05/19 12:51	
Bromochloromethane	ug/kg	<70.0	70.0	12/05/19 12:51	
Bromodichloromethane	ug/kg	<50.0	50.0	12/05/19 12:51	
Bromoform	ug/kg	<72.0	72.0	12/05/19 12:51	
Bromomethane	ug/kg	<250	250	12/05/19 12:51	
Carbon tetrachloride	ug/kg	<50.0	50.0	12/05/19 12:51	
Chlorobenzene	ug/kg	<56.0	56.0	12/05/19 12:51	
Chloroethane	ug/kg	<250	250	12/05/19 12:51	
Chloroform	ug/kg	<250	250	12/05/19 12:51	
Chloromethane	ug/kg	<80.0	80.0	12/05/19 12:51	
cis-1,2-Dichloroethene	ug/kg	<50.0	50.0	12/05/19 12:51	
cis-1,3-Dichloropropene	ug/kg	<141	141	12/05/19 12:51	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property
Pace Project No.: 10501003

METHOD BLANK: 1989243

Matrix: Solid

Associated Lab Samples: 10501003001, 10501003005, 10501003006, 10501003007, 10501003008, 10501003009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	<763	763	12/05/19 12:51	
Dibromomethane	ug/kg	<59.0	59.0	12/05/19 12:51	
Dichlorodifluoromethane	ug/kg	<72.0	72.0	12/05/19 12:51	
Dichlorofluoromethane	ug/kg	<95.0	95.0	12/05/19 12:51	
Diethyl ether (Ethyl ether)	ug/kg	<78.0	78.0	12/05/19 12:51	
Ethylbenzene	ug/kg	<50.0	50.0	12/05/19 12:51	
Hexachloro-1,3-butadiene	ug/kg	<229	229	12/05/19 12:51	
Isopropylbenzene (Cumene)	ug/kg	<59.0	59.0	12/05/19 12:51	
Methyl-tert-butyl ether	ug/kg	<54.0	54.0	12/05/19 12:51	
Methylene Chloride	ug/kg	<88.0	88.0	12/05/19 12:51	
n-Butylbenzene	ug/kg	<100	100	12/05/19 12:51	
n-Propylbenzene	ug/kg	<59.0	59.0	12/05/19 12:51	
Naphthalene	ug/kg	<91.0	91.0	12/05/19 12:51	
p-Isopropyltoluene	ug/kg	<72.0	72.0	12/05/19 12:51	
sec-Butylbenzene	ug/kg	<72.0	72.0	12/05/19 12:51	
Styrene	ug/kg	<50.0	50.0	12/05/19 12:51	
tert-Butylbenzene	ug/kg	<62.0	62.0	12/05/19 12:51	
Tetrachloroethene	ug/kg	<129	129	12/05/19 12:51	
Tetrahydrofuran	ug/kg	<417	417	12/05/19 12:51	
Toluene	ug/kg	<50.0	50.0	12/05/19 12:51	
trans-1,2-Dichloroethene	ug/kg	<67.0	67.0	12/05/19 12:51	
trans-1,3-Dichloropropene	ug/kg	<74.0	74.0	12/05/19 12:51	
Trichloroethene	ug/kg	<50.0	50.0	12/05/19 12:51	
Trichlorofluoromethane	ug/kg	<65.0	65.0	12/05/19 12:51	
Vinyl chloride	ug/kg	<50.0	50.0	12/05/19 12:51	
Xylene (Total)	ug/kg	<168	168	12/05/19 12:51	
4-Bromofluorobenzene (S)	%	85	54-126	12/05/19 12:51	
Dibromofluoromethane (S)	%	94	57-146	12/05/19 12:51	
Toluene-d8 (S)	%	92	64-134	12/05/19 12:51	

LABORATORY CONTROL SAMPLE: 1989244

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2430	97	70-132	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2360	94	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2320	93	70-130	
1,1,2-Trichlorotrifluoroethane	ug/kg	2500	2320	93	50-150	
1,1-Dichloroethane	ug/kg	2500	2480	99	70-130	
1,1-Dichloroethene	ug/kg	2500	2270	91	77-126	
1,2,4-Trichlorobenzene	ug/kg	2500	2230	89	66-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2270	91	54-129	
1,2-Dibromoethane (EDB)	ug/kg	2500	2210	88	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2230	89	70-130	
1,2-Dichloroethane	ug/kg	2500	2380	95	70-134	

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

LABORATORY CONTROL SAMPLE: 1989244

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/kg	2500	2310	92	74-124	
1,3-Dichlorobenzene	ug/kg	2500	2250	90	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2100	84	70-130	
Benzene	ug/kg	2500	2340	94	70-130	
Bromodichloromethane	ug/kg	2500	2430	97	70-130	
Bromoform	ug/kg	2500	2160	87	47-115	
Bromomethane	ug/kg	2500	1980	79	64-165	
Carbon tetrachloride	ug/kg	2500	2470	99	70-131	
Chlorobenzene	ug/kg	2500	2290	92	70-130	
Chloroethane	ug/kg	2500	2260	90	28-197	
Chloroform	ug/kg	2500	2300	92	80-131	
Chloromethane	ug/kg	2500	2100	84	45-118	
cis-1,2-Dichloroethene	ug/kg	2500	2370	95	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2170	87	70-130	
Dibromochloromethane	ug/kg	2500	2150	86	70-130	
Dichlorodifluoromethane	ug/kg	2500	1980	79	38-108	
Ethylbenzene	ug/kg	2500	2350	94	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2390	96	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2370	95	70-130	
Methylene Chloride	ug/kg	2500	2290	92	70-130	
Styrene	ug/kg	2500	2180	87	70-130	
Tetrachloroethene	ug/kg	2500	2270	91	70-130	
Toluene	ug/kg	2500	2320	93	80-121	
trans-1,2-Dichloroethene	ug/kg	2500	2400	96	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2130	85	70-130	
Trichloroethene	ug/kg	2500	2390	96	70-130	
Trichlorofluoromethane	ug/kg	2500	2270	91	81-141	
Vinyl chloride	ug/kg	2500	2240	90	68-121	
Xylene (Total)	ug/kg	7500	7190	96	70-130	
4-Bromofluorobenzene (S)	%			104	54-126	
Dibromofluoromethane (S)	%			108	57-146	
Toluene-d8 (S)	%			103	64-134	

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property
Pace Project No.: 10501003

QC Batch: 342680 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 10501003001, 10501003002, 10501003003, 10501003004, 10501003005, 10501003006

SAMPLE DUPLICATE: 1990022

Parameter	Units	40200142006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	30.0	30.0	0	10	

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

QC Batch: 343280

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 10501003007, 10501003008

SAMPLE DUPLICATE: 1993079

Parameter	Units	10501003007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	11.9	12.3	4	10	

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QUALIFIERS

Project: J190928 Kitelinger Property

Pace Project No.: 10501003

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: J190928 Kitelinger Property
Pace Project No.: 10501003

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10501003001	SB-1 (6-8)	EPA 3050	342574	EPA 6010	342909
10501003002	SB-1 (10-12)	EPA 3050	342574	EPA 6010	342909
10501003003	SB-2 (6-8)	EPA 3050	342574	EPA 6010	342909
10501003004	SB-2 (10-12)	EPA 3050	342574	EPA 6010	342909
10501003005	SB-3 (6-8)	EPA 3050	342574	EPA 6010	342909
10501003006	SB-3 (10-12)	EPA 3050	342574	EPA 6010	342909
10501003007	SB-4 (6-8)	EPA 3050	342574	EPA 6010	342909
10501003008	SB-4 (10-12)	EPA 3050	342574	EPA 6010	342909
10501003001	SB-1 (6-8)	EPA 7471	342974	EPA 7471	343053
10501003002	SB-1 (10-12)	EPA 7471	342974	EPA 7471	343053
10501003003	SB-2 (6-8)	EPA 7471	342974	EPA 7471	343053
10501003004	SB-2 (10-12)	EPA 7471	342974	EPA 7471	343053
10501003005	SB-3 (6-8)	EPA 7471	342974	EPA 7471	343053
10501003006	SB-3 (10-12)	EPA 7471	342974	EPA 7471	343053
10501003007	SB-4 (6-8)	EPA 7471	342974	EPA 7471	343053
10501003008	SB-4 (10-12)	EPA 7471	342974	EPA 7471	343053
10501003001	SB-1 (6-8)	EPA 5035/5030B	342582	EPA 8260	342601
10501003002	SB-1 (10-12)	EPA 5035/5030B	342498	EPA 8260	342500
10501003003	SB-2 (6-8)	EPA 5035/5030B	342498	EPA 8260	342500
10501003004	SB-2 (10-12)	EPA 5035/5030B	342498	EPA 8260	342500
10501003005	SB-3 (6-8)	EPA 5035/5030B	342582	EPA 8260	342601
10501003006	SB-3 (10-12)	EPA 5035/5030B	342582	EPA 8260	342601
10501003007	SB-4 (6-8)	EPA 5035/5030B	342582	EPA 8260	342601
10501003008	SB-4 (10-12)	EPA 5035/5030B	342582	EPA 8260	342601
10501003009	Trip Blank	EPA 5035/5030B	342582	EPA 8260	342601
10501003001	SB-1 (6-8)	ASTM D2974-87	342680		
10501003002	SB-1 (10-12)	ASTM D2974-87	342680		
10501003003	SB-2 (6-8)	ASTM D2974-87	342680		
10501003004	SB-2 (10-12)	ASTM D2974-87	342680		
10501003005	SB-3 (6-8)	ASTM D2974-87	342680		
10501003006	SB-3 (10-12)	ASTM D2974-87	342680		
10501003007	SB-4 (6-8)	ASTM D2974-87	343280		
10501003008	SB-4 (10-12)	ASTM D2974-87	343280		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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

* Cooler 1

Section A

Required Client Information:

Company: Bay West
 Address: 5 Empire Dr
St. Paul, MN
 Email To: Rick.V@baywest.com
 Phone: 651-491-3441
 Requested Due Date/TAT: standards

Section B

Required Project Information:

Report To: rick.v@baywest.com
 Copy To:
 Purchase Order No.:
 Project Name: Kitelinger Property
 Project Number: J190928

Section C

Invoice Information:

Attention: Accounts Payable
 Company Name: Bay West
 Address: 5 Empire Dr, St. Paul
 Pace Quote Reference:
 Pace Project Manager:
 Pace Profile #: 24209

Page: 1 of 3
 2294115

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
 Site Location: WI
 STATE: WI

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Requested Analysis Filtered (Y/N)										Residual	Pace Project No./ Lab I.D.				
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test ↓	RCRA METALS			VOLATILE ORGANICS	MOISTURE	Pesticides Res	PH
					DATE	TIME	DATE	TIME																		
1	SB-1(6-8)	SL	G	11-26	0910				2																001	
2	SB-1(10-12)	SL	G	11-26	0915				2																	002
3	SB-2(6-8)	SL	G	11-26	0930				2																	003
4	SB-2(10-12)	SL	G	11-26	0935				2																	004
5	SB-3(6-8)	SL	G	11-26	0940				2																	005
6	SB-3(10-12)	SL	G	11-26	0955				2																	006
7	SB-4(6-8)	SL	G	11-26	1045				2																	007
8	SB-4(10-12)	SL	G	11-26	1050				2																	008
9	SB-5(6-8)	SL	G	11-26	1135				2																	
10	SB-5(10-12)	SL	G	11-26	1135				2																	
11	SB-6(6-8)	SL	G	11-26	1200				2																	
12	SB-6(10-12)	SL	G	11-26	1205				2																	

WO#: 10501003

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
* Cooler 1	<u>[Signature]</u> Bay West	11-26-19	1430	<u>[Signature]</u> Bay West	11-27-19	1030				
Trip Blank (2) 8/11/27/19	<u>[Signature]</u>	11-27-19	1215	<u>[Signature]</u>	11-27-19	1215	2.8	Y	Y	Y
009										

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Courtney Smith
 SIGNATURE of SAMPLER: [Signature]
 DATE Signed (MM/DD/YY): 11/27/19

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

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.



Document Name:
Sample Condition Upon Receipt Form

Document No.:
F-MN-L-213-rev.30

Document Revised: 14Nov2019
Page 1 of 1

Pace Analytical Services -
Minneapolis

Sample Condition Upon Receipt

Client Name: Bay West

Project #: **WO# : 10501003**

PM: OEO Due Date: 12/13/19

CLIENT: BW-BAY WEST

Courier: Pace Fed Ex UPS USPS Client See Exceptions

Tracking Number: _____

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

Packing Material: Bubble Wrap Bubble Bags None Other: PB Temp Blank? Yes No

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

Note: Each West Virginia Sample must have temp taken (no temp blanks)

Temp should be above freezing to 6°C Cooler Temp Read w/temp blank: 2.7 °C Average Corrected Temp (no temp blank only): See Exceptions 1 Container

Correction Factor: +0.1 Cooler Temp Corrected w/temp blank: 2.9 °C

USDA Regulated Soil: (N/A, water sample/Other: _____) Date/Initials of Person Examining Contents: SOH/2710

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

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

		COMMENTS:
Chain of Custody Present and Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. <input type="checkbox"/> Fecal Coliform <input type="checkbox"/> HPC <input type="checkbox"/> Total Coliform/E coli <input type="checkbox"/> BOD/cBOD <input type="checkbox"/> Hex Chrome <input type="checkbox"/> Turbidity <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Orthophos <input type="checkbox"/> Other _____
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Field Filtered Volume Received for Dissolved Tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10. Is sediment visible in the dissolved container? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is sufficient information available to reconcile the samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. If no, write ID/ Date/Time on Container Below: <input type="checkbox"/> See Exception
Matrix: <input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Oil <input type="checkbox"/> Other _____		
All containers needing acid/base preservation have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12. Sample # <input type="checkbox"/> NaOH <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> Zinc Acetate
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH >12 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Positive for Res. <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Exception
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Chlorine? <input type="checkbox"/> No <input type="checkbox"/> See Exception
		Res. Chlorine 0-6 Roll 0-6 Strip 0-14 Strip
Extra labels present on soil VOA or WIDRO containers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> See Exception
Headspace in VOA Vials (greater than 6mm)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/>
Trip Blank Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Custody Seals Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Pace Trip Blank Lot # (if purchased): <u>102119-3</u>

CLIENT NOTIFICATION/RESOLUTION

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

Comments/Resolution: _____

Project Manager Review: Oyeyemi Odugbo Date: 12/2/19

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

Labeled by: SOH Page 40 of 43

40000163

Chain of Custody



Samples were sent directly to the Subcontracting Laboratory.

State Of Origin: WI
 Cert. Needed: Yes No
 Owner Received Date: 11/27/2019 Results Requested By: 12/13/2019

Workorder: 10501003 Workorder Name: J190928 Kitelinger Property

Report To	Subcontract To	Requested Analysis																				
Oyeyemi Odujole Pace Analytical Minnesota 1700 Elm Street Suite 200 Minneapolis, MN 55414 Phone (612)607-6402	Pace Analytical Green Bay 1241 Bellevue Street Suite 9 Green Bay, WI 54302 Phone (920)469-2436																					

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers						6010/7471 RCRA metals	8260 VOC	Dry weight									LAB USE ONLY
						MeOH-VG9M	Unpres-JGFU	Unpres-DWC															
1	SB-1 (6-8)	PS	11/26/2019 09:10	10501003001	Solid	2	1	1					X	X	X								001
2	SB-1 (10-12)	PS	11/26/2019 09:15	10501003002	Solid	2	1	1					X	X	X								002
3	SB-2 (6-8)	PS	11/26/2019 09:30	10501003003	Solid	2	1	1					X	X	X								003
4	SB-2 (10-12)	PS	11/26/2019 09:35	10501003004	Solid	2	1	1					X	X	X								004
5	SB-3 (6-8)	PS	11/26/2019 09:00	10501003005	Solid	2	1	1					X	X	X								005
6	SB-3 (10-12)	PS	11/26/2019 09:55	10501003006	Solid	2	1	1					X	X	X								006
7	SB-4 (6-8)	PS	11/26/2019 10:45	10501003007	Solid	2	1	1					X	X	X								007
8	SB-4 (10-12)	PS	11/26/2019 10:50	10501003008	Solid	2	1	1					X	X	X								008
9	Trip Blank	PS	11/26/2019 00:00	10501003009	Solid	2							X										009

Transfers					Comments											
Released By	Date/Time	Received By	Date/Time													
<i>[Signature]</i>	12/2/19 1505				Dry weight in GB											
<i>Walter</i>	12/3/19 0745	<i>[Signature]</i>	12/3/19 0745													

Cooler Temperature on Receipt 0.5 °C Custody Seal (Y) or N Received on Ice (Y) or N Samples Intact (Y) or N

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

Sample Preservation Receipt Form

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

Client Name: PACE MN

Project # 40200123

Page 42 of 43

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

Lab Lot# of pH paper:

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

Initial when completed:

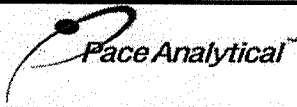
Date/Time:

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

12/3/19
82

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

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



1241 Bellevue Street, Green Bay, WI 54302

Document Name:
Sample Condition Upon Receipt (SCUR)

Document No.:
F-GB-C-031-Rev.07

Document Revised: 25Apr2018

Issuing Authority:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: PACE-MW

Courier: CS Logistics Fed Ex Speedee UPS Walto
 Client Pace Other: _____

Tracking #: 2263182

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR-90 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0 /Corr: 0.5

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

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

Person examining contents:

Date: 12/3/19

Initials: JJ

WO#: 40200163



Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	4. <u>TROW</u> <u>12/3/19</u> <u>JJ</u>
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S IW</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>102119-3</u>		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Cla

Date: 12/3/19

December 13, 2019

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

RE: Project: J190928 Kitelinger Property
Pace Project No.: 10501017

Dear Rick VanAllen:

Enclosed are the analytical results for sample(s) received by the laboratory on November 27, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Oyeyemi Odujole
oyeyemi.odujole@pacelabs.com
(612)607-6402
Project Manager

Enclosures

cc: Joe Erjavec, Bay West LLC
Trey Harsch, Bay West LLC
Jeff Smith, Pace Analytical Services, Inc



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: J190928 Kitelinger Property
Pace Project No.: 10501017

Pace Analytical Services Minneapolis

<p>A2LA Certification #: 2926.01 Alabama Certification #: 40770 Alaska Contaminated Sites Certification #: 17-009 Alaska DW Certification #: MN00064 Arizona Certification #: AZ0014 Arkansas DW Certification #: MN00064 Arkansas WW Certification #: 88-0680 California Certification #: 2929 CNMI Saipan Certification #: MP0003 Colorado Certification #: MN00064 Connecticut Certification #: PH-0256 EPA Region 8+Wyoming DW Certification #: via MN 027-053-137 Florida Certification #: E87605 Georgia Certification #: 959 Guam EPA Certification #: MN00064 Hawaii Certification #: MN00064 Idaho Certification #: MN00064 Illinois Certification #: 200011 Indiana Certification #: C-MN-01 Iowa Certification #: 368 Kansas Certification #: E-10167 Kentucky DW Certification #: 90062 Kentucky WW Certification #: 90062 Louisiana DEQ Certification #: 03086 Louisiana DW Certification #: MN00064 Maine Certification #: MN00064 Maryland Certification #: 322 Massachusetts Certification #: M-MN064 Massachusetts DWP Certification #: via MN 027-053-137 Michigan Certification #: 9909 Minnesota Certification #: 027-053-137</p>	<p>Minnesota Dept of Ag Certification #: via MN 027-053-137 Minnesota Petrofund Certification #: 1240 Mississippi Certification #: MN00064 Missouri Certification #: 10100 Montana Certification #: CERT0092 Nebraska Certification #: NE-OS-18-06 Nevada Certification #: MN00064 New Hampshire Certification #: 2081 New Jersey Certification #: MN002 New York Certification #: 11647 North Carolina DW Certification #: 27700 North Carolina WW Certification #: 530 North Dakota Certification #: R-036 Ohio DW Certification #: 41244 Ohio VAP Certification #: CL101 Oklahoma Certification #: 9507 Oregon Primary Certification #: MN300001 Oregon Secondary Certification #: MN200001 Pennsylvania Certification #: 68-00563 Puerto Rico Certification #: MN00064 South Carolina Certification #:74003001 Tennessee Certification #: TN02818 Texas Certification #: T104704192 Utah Certification #: MN00064 Vermont Certification #: VT-027053137 Virginia Certification #: 460163 Washington Certification #: C486 West Virginia DEP Certification #: 382 West Virginia DW Certification #: 9952 C Wisconsin Certification #: 999407970 Wyoming UST Certification #: via A2LA 2926.01</p>
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Pace Analytical Services Green Bay

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

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10501017001	SB-5 (4-6)	Solid	11/26/19 11:25	11/27/19 12:15
10501017002	SB-5 (6-8)	Solid	11/26/19 11:30	11/27/19 12:15
10501017003	SB-6 (4-6)	Solid	11/26/19 12:00	11/27/19 12:15
10501017004	SB-6 (10-12)	Solid	11/26/19 12:00	11/27/19 12:15
10501017005	Dup-5S	Solid	11/26/19 12:10	11/27/19 12:15

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SAMPLE ANALYTE COUNT

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10501017001	SB-5 (4-6)	EPA 6010	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		ASTM D2974	JDL	1	PASI-M
		EPA 8260	MDS	70	PASI-G
10501017002	SB-5 (6-8)	EPA 6010	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		ASTM D2974	JDL	1	PASI-M
		EPA 8260	MDS	70	PASI-G
10501017003	SB-6 (4-6)	EPA 8081	AMV	24	PASI-M
		EPA 6010	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		ASTM D2974	JDL	1	PASI-M
		EPA 8260	MDS	70	PASI-G
		EPA 9045D	SH4	1	PASI-M
10501017004	SB-6 (10-12)	EPA 8081	AMV	24	PASI-M
		EPA 6010	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		ASTM D2974	JDL	1	PASI-M
		EPA 8260	MDS	70	PASI-G
		EPA 9045D	SH4	1	PASI-M
10501017005	Dup-5S	EPA 8081	AMV	24	PASI-M
		EPA 6010	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		ASTM D2974	JDL	1	PASI-M
		EPA 8260	MDS	70	PASI-G
		EPA 9045D	SH4	1	PASI-M

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Method: EPA 8081

Description: 8081A GCS Pesticides

Client: Bay West LLC

Date: December 13, 2019

General Information:

3 samples were analyzed for EPA 8081. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 3550 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:

Analyte Comments:

QC Batch: 647588

1M: Sample was light yellow in color.

- MS (Lab ID: 3484594)
 - Tetrachloro-m-xylene (S)
- MSD (Lab ID: 3484595)
 - Tetrachloro-m-xylene (S)
- SB-6 (4-6) (Lab ID: 10501017003)
 - Tetrachloro-m-xylene (S)

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- MS (Lab ID: 3484594)
 - Tetrachloro-m-xylene (S)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Method: EPA 8081

Description: 8081A GCS Pesticides

Client: Bay West LLC

Date: December 13, 2019

Analyte Comments:

QC Batch: 647588

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- MSD (Lab ID: 3484595)
 - Tetrachloro-m-xylene (S)
- SB-6 (4-6) (Lab ID: 10501017003)
 - Tetrachloro-m-xylene (S)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Method: EPA 6010

Description: 6010 MET ICP

Client: Bay West LLC

Date: December 13, 2019

General Information:

5 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Method: EPA 7471

Description: 7471 Mercury

Client: Bay West LLC

Date: December 13, 2019

General Information:

5 samples were analyzed for EPA 7471. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Method: EPA 8260

Description: 8260 MSV Med Level Normal List

Client: Bay West LLC

Date: December 13, 2019

General Information:

5 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Method: EPA 9045D

Description: 9045D pH

Client: Bay West LLC

Date: December 13, 2019

General Information:

3 samples were analyzed for EPA 9045D. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Sample: SB-5 (4-6) **Lab ID: 10501017001** Collected: 11/26/19 11:25 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	<5.2	mg/kg	5.2	1.6	1	12/09/19 06:32	12/09/19 14:08	7440-38-2	
Barium	12.6	mg/kg	0.54	0.16	1	12/09/19 06:32	12/09/19 14:08	7440-39-3	
Cadmium	<0.54	mg/kg	0.54	0.14	1	12/09/19 06:32	12/09/19 14:08	7440-43-9	
Chromium	4.7	mg/kg	1.1	0.30	1	12/09/19 06:32	12/09/19 14:08	7440-47-3	
Lead	4.7	mg/kg	2.1	0.64	1	12/09/19 06:32	12/09/19 14:08	7439-92-1	
Selenium	<4.7	mg/kg	4.7	1.4	1	12/09/19 06:32	12/09/19 14:08	7782-49-2	
Silver	<1.1	mg/kg	1.1	0.33	1	12/09/19 06:32	12/09/19 14:08	7440-22-4	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	<0.037	mg/kg	0.037	0.011	1	12/10/19 11:41	12/11/19 09:27	7439-97-6	
Dry Weight / %M by ASTM D2974		Analytical Method: ASTM D2974							
Percent Moisture	12.1	%	0.10	0.10	1		12/09/19 10:38		N2
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Acetone	<683	ug/kg	683	205	1	12/05/19 08:15	12/05/19 20:33	67-64-1	W
Allyl chloride	<308	ug/kg	308	92.5	1	12/05/19 08:15	12/05/19 20:33	107-05-1	W
Benzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	71-43-2	W
Bromobenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 20:33	108-86-1	W
Bromochloromethane	<70.0	ug/kg	70.0	25.0	1	12/05/19 08:15	12/05/19 20:33	74-97-5	W
Bromodichloromethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	75-27-4	W
Bromoform	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 20:33	75-25-2	W
Bromomethane	<250	ug/kg	250	63.8	1	12/05/19 08:15	12/05/19 20:33	74-83-9	W
2-Butanone (MEK)	<585	ug/kg	585	176	1	12/05/19 08:15	12/05/19 20:33	78-93-3	W
n-Butylbenzene	<100	ug/kg	100	30.0	1	12/05/19 08:15	12/05/19 20:33	104-51-8	W
sec-Butylbenzene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 20:33	135-98-8	W
tert-Butylbenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 20:33	98-06-6	W
Carbon tetrachloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	56-23-5	W
Chlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	108-90-7	W
Chloroethane	<250	ug/kg	250	46.4	1	12/05/19 08:15	12/05/19 20:33	75-00-3	W
Chloroform	<250	ug/kg	250	47.5	1	12/05/19 08:15	12/05/19 20:33	67-66-3	W
Chloromethane	<80.0	ug/kg	80.0	25.0	1	12/05/19 08:15	12/05/19 20:33	74-87-3	W
2-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 20:33	95-49-8	W
4-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 20:33	106-43-4	W
1,2-Dibromo-3-chloropropane	<789	ug/kg	789	237	1	12/05/19 08:15	12/05/19 20:33	96-12-8	W
Dibromochloromethane	<763	ug/kg	763	229	1	12/05/19 08:15	12/05/19 20:33	124-48-1	W
1,2-Dibromoethane (EDB)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	106-93-4	W
Dibromomethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	74-95-3	W
1,2-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	95-50-1	W
1,3-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	541-73-1	W
1,4-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	106-46-7	W
Dichlorodifluoromethane	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 20:33	75-71-8	W
1,1-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	75-34-3	W
1,2-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	107-06-2	W
1,1-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	75-35-4	W

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Sample: SB-5 (4-6) **Lab ID: 10501017001** Collected: 11/26/19 11:25 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
cis-1,2-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	156-59-2	W
trans-1,2-Dichloroethene	<67.0	ug/kg	67.0	25.0	1	12/05/19 08:15	12/05/19 20:33	156-60-5	W
Dichlorofluoromethane	<95.0	ug/kg	95.0	28.6	1	12/05/19 08:15	12/05/19 20:33	75-43-4	W
1,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	78-87-5	W
1,3-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	142-28-9	W
2,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	594-20-7	W
1,1-Dichloropropene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	563-58-6	W
cis-1,3-Dichloropropene	<141	ug/kg	141	42.3	1	12/05/19 08:15	12/05/19 20:33	10061-01-5	W
trans-1,3-Dichloropropene	<74.0	ug/kg	74.0	25.0	1	12/05/19 08:15	12/05/19 20:33	10061-02-6	W
Diethyl ether (Ethyl ether)	<78.0	ug/kg	78.0	25.0	1	12/05/19 08:15	12/05/19 20:33	60-29-7	W
Ethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	100-41-4	W
Hexachloro-1,3-butadiene	<229	ug/kg	229	68.7	1	12/05/19 08:15	12/05/19 20:33	87-68-3	W
Isopropylbenzene (Cumene)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	98-82-8	W
p-Isopropyltoluene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 20:33	99-87-6	W
Methylene Chloride	<88.0	ug/kg	88.0	26.3	1	12/05/19 08:15	12/05/19 20:33	75-09-2	W
4-Methyl-2-pentanone (MIBK)	<433	ug/kg	433	130	1	12/05/19 08:15	12/05/19 20:33	108-10-1	W
Methyl-tert-butyl ether	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	1634-04-4	W
Naphthalene	<91.0	ug/kg	91.0	27.3	1	12/05/19 08:15	12/05/19 20:33	91-20-3	W
n-Propylbenzene	133	ug/kg	68.3	28.5	1	12/05/19 08:15	12/05/19 20:33	103-65-1	
Styrene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	100-42-5	W
1,1,1,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	630-20-6	W
1,1,2,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	79-34-5	W
Tetrachloroethene	<129	ug/kg	129	38.7	1	12/05/19 08:15	12/05/19 20:33	127-18-4	W
Tetrahydrofuran	<417	ug/kg	417	125	1	12/05/19 08:15	12/05/19 20:33	109-99-9	W
Toluene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	108-88-3	W
1,2,3-Trichlorobenzene	<158	ug/kg	158	47.3	1	12/05/19 08:15	12/05/19 20:33	87-61-6	W
1,2,4-Trichlorobenzene	<250	ug/kg	250	41.7	1	12/05/19 08:15	12/05/19 20:33	120-82-1	W
1,1,1-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	71-55-6	W
1,1,2-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	79-00-5	W
Trichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	79-01-6	W
Trichlorofluoromethane	<65.0	ug/kg	65.0	25.0	1	12/05/19 08:15	12/05/19 20:33	75-69-4	W
1,2,3-Trichloropropane	<125	ug/kg	125	37.4	1	12/05/19 08:15	12/05/19 20:33	96-18-4	W
1,1,2-Trichlorotrifluoroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	76-13-1	W
1,2,4-Trimethylbenzene	70.7	ug/kg	68.3	28.5	1	12/05/19 08:15	12/05/19 20:33	95-63-6	
1,3,5-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	108-67-8	W
Vinyl chloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:33	75-01-4	W
Xylene (Total)	<180	ug/kg	180	75.0	1	12/05/19 08:15	12/05/19 20:33	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	101	%	57-146		1	12/05/19 08:15	12/05/19 20:33	1868-53-7	
Toluene-d8 (S)	101	%	64-134		1	12/05/19 08:15	12/05/19 20:33	2037-26-5	
4-Bromofluorobenzene (S)	92	%	54-126		1	12/05/19 08:15	12/05/19 20:33	460-00-4	

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Sample: SB-5 (6-8) **Lab ID: 10501017002** Collected: 11/26/19 11:30 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	3.3J	mg/kg	5.8	1.7	1	12/09/19 06:32	12/09/19 14:11	7440-38-2	
Barium	11.4	mg/kg	0.59	0.18	1	12/09/19 06:32	12/09/19 14:11	7440-39-3	
Cadmium	<0.59	mg/kg	0.59	0.16	1	12/09/19 06:32	12/09/19 14:11	7440-43-9	
Chromium	6.1	mg/kg	1.2	0.33	1	12/09/19 06:32	12/09/19 14:11	7440-47-3	
Lead	23.2	mg/kg	2.4	0.71	1	12/09/19 06:32	12/09/19 14:11	7439-92-1	
Selenium	<5.2	mg/kg	5.2	1.5	1	12/09/19 06:32	12/09/19 14:11	7782-49-2	
Silver	<1.2	mg/kg	1.2	0.36	1	12/09/19 06:32	12/09/19 14:11	7440-22-4	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	<0.041	mg/kg	0.041	0.012	1	12/10/19 11:41	12/11/19 09:29	7439-97-6	
Dry Weight / %M by ASTM D2974		Analytical Method: ASTM D2974							
Percent Moisture	18.3	%	0.10	0.10	1		12/09/19 10:39		N2
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Acetone	<683	ug/kg	683	205	1	12/05/19 08:15	12/05/19 20:56	67-64-1	W
Allyl chloride	<308	ug/kg	308	92.5	1	12/05/19 08:15	12/05/19 20:56	107-05-1	W
Benzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	71-43-2	W
Bromobenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 20:56	108-86-1	W
Bromochloromethane	<70.0	ug/kg	70.0	25.0	1	12/05/19 08:15	12/05/19 20:56	74-97-5	W
Bromodichloromethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	75-27-4	W
Bromoform	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 20:56	75-25-2	W
Bromomethane	<250	ug/kg	250	63.8	1	12/05/19 08:15	12/05/19 20:56	74-83-9	W
2-Butanone (MEK)	<585	ug/kg	585	176	1	12/05/19 08:15	12/05/19 20:56	78-93-3	W
n-Butylbenzene	<100	ug/kg	100	30.0	1	12/05/19 08:15	12/05/19 20:56	104-51-8	W
sec-Butylbenzene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 20:56	135-98-8	W
tert-Butylbenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 20:56	98-06-6	W
Carbon tetrachloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	56-23-5	W
Chlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	108-90-7	W
Chloroethane	<250	ug/kg	250	46.4	1	12/05/19 08:15	12/05/19 20:56	75-00-3	W
Chloroform	<250	ug/kg	250	47.5	1	12/05/19 08:15	12/05/19 20:56	67-66-3	W
Chloromethane	<80.0	ug/kg	80.0	25.0	1	12/05/19 08:15	12/05/19 20:56	74-87-3	W
2-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 20:56	95-49-8	W
4-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 20:56	106-43-4	W
1,2-Dibromo-3-chloropropane	<789	ug/kg	789	237	1	12/05/19 08:15	12/05/19 20:56	96-12-8	W
Dibromochloromethane	<763	ug/kg	763	229	1	12/05/19 08:15	12/05/19 20:56	124-48-1	W
1,2-Dibromoethane (EDB)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	106-93-4	W
Dibromomethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	74-95-3	W
1,2-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	95-50-1	W
1,3-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	541-73-1	W
1,4-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	106-46-7	W
Dichlorodifluoromethane	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 20:56	75-71-8	W
1,1-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	75-34-3	W
1,2-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	107-06-2	W
1,1-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	75-35-4	W

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Sample: SB-5 (6-8) **Lab ID: 10501017002** Collected: 11/26/19 11:30 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
cis-1,2-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	156-59-2	W
trans-1,2-Dichloroethene	<67.0	ug/kg	67.0	25.0	1	12/05/19 08:15	12/05/19 20:56	156-60-5	W
Dichlorofluoromethane	<95.0	ug/kg	95.0	28.6	1	12/05/19 08:15	12/05/19 20:56	75-43-4	W
1,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	78-87-5	W
1,3-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	142-28-9	W
2,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	594-20-7	W
1,1-Dichloropropene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	563-58-6	W
cis-1,3-Dichloropropene	<141	ug/kg	141	42.3	1	12/05/19 08:15	12/05/19 20:56	10061-01-5	W
trans-1,3-Dichloropropene	<74.0	ug/kg	74.0	25.0	1	12/05/19 08:15	12/05/19 20:56	10061-02-6	W
Diethyl ether (Ethyl ether)	<78.0	ug/kg	78.0	25.0	1	12/05/19 08:15	12/05/19 20:56	60-29-7	W
Ethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	100-41-4	W
Hexachloro-1,3-butadiene	<229	ug/kg	229	68.7	1	12/05/19 08:15	12/05/19 20:56	87-68-3	W
Isopropylbenzene (Cumene)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	98-82-8	W
p-Isopropyltoluene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 20:56	99-87-6	W
Methylene Chloride	<88.0	ug/kg	88.0	26.3	1	12/05/19 08:15	12/05/19 20:56	75-09-2	W
4-Methyl-2-pentanone (MIBK)	<433	ug/kg	433	130	1	12/05/19 08:15	12/05/19 20:56	108-10-1	W
Methyl-tert-butyl ether	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	1634-04-4	W
Naphthalene	<91.0	ug/kg	91.0	27.3	1	12/05/19 08:15	12/05/19 20:56	91-20-3	W
n-Propylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	103-65-1	W
Styrene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	100-42-5	W
1,1,1,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	79-34-5	W
Tetrachloroethene	<129	ug/kg	129	38.7	1	12/05/19 08:15	12/05/19 20:56	127-18-4	W
Tetrahydrofuran	<417	ug/kg	417	125	1	12/05/19 08:15	12/05/19 20:56	109-99-9	W
Toluene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	108-88-3	W
1,2,3-Trichlorobenzene	<158	ug/kg	158	47.3	1	12/05/19 08:15	12/05/19 20:56	87-61-6	W
1,2,4-Trichlorobenzene	<250	ug/kg	250	41.7	1	12/05/19 08:15	12/05/19 20:56	120-82-1	W
1,1,1-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	71-55-6	W
1,1,2-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	79-00-5	W
Trichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	79-01-6	W
Trichlorofluoromethane	<65.0	ug/kg	65.0	25.0	1	12/05/19 08:15	12/05/19 20:56	75-69-4	W
1,2,3-Trichloropropane	<125	ug/kg	125	37.4	1	12/05/19 08:15	12/05/19 20:56	96-18-4	W
1,1,2-Trichlorotrifluoroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	76-13-1	W
1,2,4-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	95-63-6	W
1,3,5-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	108-67-8	W
Vinyl chloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 20:56	75-01-4	W
Xylene (Total)	<180	ug/kg	180	75.0	1	12/05/19 08:15	12/05/19 20:56	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	95	%	57-146		1	12/05/19 08:15	12/05/19 20:56	1868-53-7	
Toluene-d8 (S)	93	%	64-134		1	12/05/19 08:15	12/05/19 20:56	2037-26-5	
4-Bromofluorobenzene (S)	85	%	54-126		1	12/05/19 08:15	12/05/19 20:56	460-00-4	

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Sample: SB-6 (4-6) **Lab ID: 10501017003** Collected: 11/26/19 12:00 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8081A GCS Pesticides									
Analytical Method: EPA 8081 Preparation Method: EPA 3550									
Aldrin	<10.0	ug/kg	10.0	3.0	5	12/02/19 11:31	12/09/19 23:11	309-00-2	
alpha-BHC	<2.3	ug/kg	2.3	0.69	5	12/02/19 11:31	12/09/19 23:11	319-84-6	
beta-BHC	<4.3	ug/kg	4.3	1.3	5	12/02/19 11:31	12/09/19 23:11	319-85-7	
delta-BHC	<2.6	ug/kg	2.6	0.79	5	12/02/19 11:31	12/09/19 23:11	319-86-8	
gamma-BHC (Lindane)	<2.7	ug/kg	2.7	0.81	5	12/02/19 11:31	12/09/19 23:11	58-89-9	
Chlordane (Technical)	<82.8	ug/kg	82.8	24.9	5	12/02/19 11:31	12/09/19 23:11	57-74-9	
alpha-Chlordane	<2.6	ug/kg	2.6	0.77	5	12/02/19 11:31	12/09/19 23:11	5103-71-9	
gamma-Chlordane	<7.3	ug/kg	7.3	2.2	5	12/02/19 11:31	12/09/19 23:11	5103-74-2	
4,4'-DDD	<5.8	ug/kg	5.8	1.7	5	12/02/19 11:31	12/09/19 23:11	72-54-8	
4,4'-DDE	<4.7	ug/kg	4.7	1.4	5	12/02/19 11:31	12/09/19 23:11	72-55-9	
4,4'-DDT	<17.3	ug/kg	17.3	5.2	5	12/02/19 11:31	12/09/19 23:11	50-29-3	
Dieldrin	<6.1	ug/kg	6.1	1.8	5	12/02/19 11:31	12/09/19 23:11	60-57-1	
Endosulfan I	<2.9	ug/kg	2.9	0.86	5	12/02/19 11:31	12/09/19 23:11	959-98-8	
Endosulfan II	<24.6	ug/kg	24.6	7.4	5	12/02/19 11:31	12/09/19 23:11	33213-65-9	
Endosulfan sulfate	<17.3	ug/kg	17.3	5.2	5	12/02/19 11:31	12/09/19 23:11	1031-07-8	
Endrin	<5.7	ug/kg	5.7	1.7	5	12/02/19 11:31	12/09/19 23:11	72-20-8	
Endrin aldehyde	<19.8	ug/kg	19.8	6.0	5	12/02/19 11:31	12/09/19 23:11	7421-93-4	
Endrin ketone	<21.7	ug/kg	21.7	6.5	5	12/02/19 11:31	12/09/19 23:11	53494-70-5	
Heptachlor	<12.8	ug/kg	12.8	3.8	5	12/02/19 11:31	12/09/19 23:11	76-44-8	
Heptachlor epoxide	<3.0	ug/kg	3.0	0.90	5	12/02/19 11:31	12/09/19 23:11	1024-57-3	
Methoxychlor	<47.9	ug/kg	47.9	14.4	5	12/02/19 11:31	12/09/19 23:11	72-43-5	
Toxaphene	<151	ug/kg	151	45.3	5	12/02/19 11:31	12/09/19 23:11	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	89	%	30-150		5	12/02/19 11:31	12/09/19 23:11	877-09-8	1M,D3
Decachlorobiphenyl (S)	95	%	30-150		5	12/02/19 11:31	12/09/19 23:11	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	<5.2	mg/kg	5.2	1.6	1	12/09/19 06:32	12/09/19 14:13	7440-38-2	
Barium	10.0	mg/kg	0.53	0.16	1	12/09/19 06:32	12/09/19 14:13	7440-39-3	
Cadmium	<0.53	mg/kg	0.53	0.14	1	12/09/19 06:32	12/09/19 14:13	7440-43-9	
Chromium	3.6	mg/kg	1.1	0.29	1	12/09/19 06:32	12/09/19 14:13	7440-47-3	
Lead	1.1J	mg/kg	2.1	0.63	1	12/09/19 06:32	12/09/19 14:13	7439-92-1	
Selenium	<4.6	mg/kg	4.6	1.4	1	12/09/19 06:32	12/09/19 14:13	7782-49-2	
Silver	<1.1	mg/kg	1.1	0.33	1	12/09/19 06:32	12/09/19 14:13	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.036	mg/kg	0.036	0.011	1	12/10/19 11:41	12/11/19 09:32	7439-97-6	
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Percent Moisture	12.7	%	0.10	0.10	1		12/09/19 10:39		N2
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Acetone	<683	ug/kg	683	205	1	12/05/19 08:15	12/05/19 21:19	67-64-1	W
Allyl chloride	<308	ug/kg	308	92.5	1	12/05/19 08:15	12/05/19 21:19	107-05-1	W
Benzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	71-43-2	W

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Sample: SB-6 (4-6) **Lab ID: 10501017003** Collected: 11/26/19 12:00 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Bromobenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 21:19	108-86-1	W
Bromochloromethane	<70.0	ug/kg	70.0	25.0	1	12/05/19 08:15	12/05/19 21:19	74-97-5	W
Bromodichloromethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	75-27-4	W
Bromoform	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 21:19	75-25-2	W
Bromomethane	<250	ug/kg	250	63.8	1	12/05/19 08:15	12/05/19 21:19	74-83-9	W
2-Butanone (MEK)	<585	ug/kg	585	176	1	12/05/19 08:15	12/05/19 21:19	78-93-3	W
n-Butylbenzene	<100	ug/kg	100	30.0	1	12/05/19 08:15	12/05/19 21:19	104-51-8	W
sec-Butylbenzene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 21:19	135-98-8	W
tert-Butylbenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 21:19	98-06-6	W
Carbon tetrachloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	56-23-5	W
Chlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	108-90-7	W
Chloroethane	<250	ug/kg	250	46.4	1	12/05/19 08:15	12/05/19 21:19	75-00-3	W
Chloroform	<250	ug/kg	250	47.5	1	12/05/19 08:15	12/05/19 21:19	67-66-3	W
Chloromethane	<80.0	ug/kg	80.0	25.0	1	12/05/19 08:15	12/05/19 21:19	74-87-3	W
2-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 21:19	95-49-8	W
4-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 21:19	106-43-4	W
1,2-Dibromo-3-chloropropane	<789	ug/kg	789	237	1	12/05/19 08:15	12/05/19 21:19	96-12-8	W
Dibromochloromethane	<763	ug/kg	763	229	1	12/05/19 08:15	12/05/19 21:19	124-48-1	W
1,2-Dibromoethane (EDB)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	106-93-4	W
Dibromomethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	74-95-3	W
1,2-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	95-50-1	W
1,3-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	541-73-1	W
1,4-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	106-46-7	W
Dichlorodifluoromethane	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 21:19	75-71-8	W
1,1-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	75-34-3	W
1,2-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	107-06-2	W
1,1-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	75-35-4	W
cis-1,2-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	156-59-2	W
trans-1,2-Dichloroethene	<67.0	ug/kg	67.0	25.0	1	12/05/19 08:15	12/05/19 21:19	156-60-5	W
Dichlorofluoromethane	<95.0	ug/kg	95.0	28.6	1	12/05/19 08:15	12/05/19 21:19	75-43-4	W
1,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	78-87-5	W
1,3-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	142-28-9	W
2,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	594-20-7	W
1,1-Dichloropropene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	563-58-6	W
cis-1,3-Dichloropropene	<141	ug/kg	141	42.3	1	12/05/19 08:15	12/05/19 21:19	10061-01-5	W
trans-1,3-Dichloropropene	<74.0	ug/kg	74.0	25.0	1	12/05/19 08:15	12/05/19 21:19	10061-02-6	W
Diethyl ether (Ethyl ether)	<78.0	ug/kg	78.0	25.0	1	12/05/19 08:15	12/05/19 21:19	60-29-7	W
Ethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	100-41-4	W
Hexachloro-1,3-butadiene	<229	ug/kg	229	68.7	1	12/05/19 08:15	12/05/19 21:19	87-68-3	W
Isopropylbenzene (Cumene)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	98-82-8	W
p-Isopropyltoluene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 21:19	99-87-6	W
Methylene Chloride	<88.0	ug/kg	88.0	26.3	1	12/05/19 08:15	12/05/19 21:19	75-09-2	W
4-Methyl-2-pentanone (MIBK)	<433	ug/kg	433	130	1	12/05/19 08:15	12/05/19 21:19	108-10-1	W
Methyl-tert-butyl ether	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	1634-04-4	W
Naphthalene	<91.0	ug/kg	91.0	27.3	1	12/05/19 08:15	12/05/19 21:19	91-20-3	W

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Sample: SB-6 (4-6) **Lab ID: 10501017003** Collected: 11/26/19 12:00 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
n-Propylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	103-65-1	W
Styrene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	100-42-5	W
1,1,1,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	630-20-6	W
1,1,2,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	79-34-5	W
Tetrachloroethene	<129	ug/kg	129	38.7	1	12/05/19 08:15	12/05/19 21:19	127-18-4	W
Tetrahydrofuran	<417	ug/kg	417	125	1	12/05/19 08:15	12/05/19 21:19	109-99-9	W
Toluene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	108-88-3	W
1,2,3-Trichlorobenzene	<158	ug/kg	158	47.3	1	12/05/19 08:15	12/05/19 21:19	87-61-6	W
1,2,4-Trichlorobenzene	<250	ug/kg	250	41.7	1	12/05/19 08:15	12/05/19 21:19	120-82-1	W
1,1,1-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	71-55-6	W
1,1,2-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	79-00-5	W
Trichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	79-01-6	W
Trichlorofluoromethane	<65.0	ug/kg	65.0	25.0	1	12/05/19 08:15	12/05/19 21:19	75-69-4	W
1,2,3-Trichloropropane	<125	ug/kg	125	37.4	1	12/05/19 08:15	12/05/19 21:19	96-18-4	W
1,1,2-Trichlorotrifluoroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	76-13-1	W
1,2,4-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	95-63-6	W
1,3,5-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	108-67-8	W
Vinyl chloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:19	75-01-4	W
Xylene (Total)	<180	ug/kg	180	75.0	1	12/05/19 08:15	12/05/19 21:19	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	96	%	57-146		1	12/05/19 08:15	12/05/19 21:19	1868-53-7	
Toluene-d8 (S)	96	%	64-134		1	12/05/19 08:15	12/05/19 21:19	2037-26-5	
4-Bromofluorobenzene (S)	86	%	54-126		1	12/05/19 08:15	12/05/19 21:19	460-00-4	

9045D pH

Analytical Method: EPA 9045D

pH at 25 Degrees C **6.0** Std. Units 0.10 0.10 1 12/04/19 18:23

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property
Pace Project No.: 10501017

Sample: SB-6 (10-12) **Lab ID: 10501017004** Collected: 11/26/19 12:00 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8081A GCS Pesticides									
Analytical Method: EPA 8081 Preparation Method: EPA 3550									
Aldrin	<2.1	ug/kg	2.1	0.62	1	12/02/19 11:31	12/09/19 21:40	309-00-2	
alpha-BHC	<0.48	ug/kg	0.48	0.14	1	12/02/19 11:31	12/09/19 21:40	319-84-6	
beta-BHC	<0.88	ug/kg	0.88	0.26	1	12/02/19 11:31	12/09/19 21:40	319-85-7	
delta-BHC	<0.54	ug/kg	0.54	0.16	1	12/02/19 11:31	12/09/19 21:40	319-86-8	
gamma-BHC (Lindane)	<0.56	ug/kg	0.56	0.17	1	12/02/19 11:31	12/09/19 21:40	58-89-9	
Chlordane (Technical)	<17.1	ug/kg	17.1	5.1	1	12/02/19 11:31	12/09/19 21:40	57-74-9	
alpha-Chlordane	<0.53	ug/kg	0.53	0.16	1	12/02/19 11:31	12/09/19 21:40	5103-71-9	
gamma-Chlordane	<1.5	ug/kg	1.5	0.45	1	12/02/19 11:31	12/09/19 21:40	5103-74-2	
4,4'-DDD	<1.2	ug/kg	1.2	0.36	1	12/02/19 11:31	12/09/19 21:40	72-54-8	
4,4'-DDE	<0.98	ug/kg	0.98	0.29	1	12/02/19 11:31	12/09/19 21:40	72-55-9	
4,4'-DDT	<3.6	ug/kg	3.6	1.1	1	12/02/19 11:31	12/09/19 21:40	50-29-3	
Dieldrin	<1.3	ug/kg	1.3	0.38	1	12/02/19 11:31	12/09/19 21:40	60-57-1	
Endosulfan I	<0.59	ug/kg	0.59	0.18	1	12/02/19 11:31	12/09/19 21:40	959-98-8	
Endosulfan II	<5.1	ug/kg	5.1	1.5	1	12/02/19 11:31	12/09/19 21:40	33213-65-9	
Endosulfan sulfate	<3.6	ug/kg	3.6	1.1	1	12/02/19 11:31	12/09/19 21:40	1031-07-8	
Endrin	<1.2	ug/kg	1.2	0.35	1	12/02/19 11:31	12/09/19 21:40	72-20-8	
Endrin aldehyde	<4.1	ug/kg	4.1	1.2	1	12/02/19 11:31	12/09/19 21:40	7421-93-4	
Endrin ketone	<4.5	ug/kg	4.5	1.3	1	12/02/19 11:31	12/09/19 21:40	53494-70-5	
Heptachlor	<2.6	ug/kg	2.6	0.79	1	12/02/19 11:31	12/09/19 21:40	76-44-8	
Heptachlor epoxide	<0.62	ug/kg	0.62	0.19	1	12/02/19 11:31	12/09/19 21:40	1024-57-3	
Methoxychlor	<9.9	ug/kg	9.9	3.0	1	12/02/19 11:31	12/09/19 21:40	72-43-5	
Toxaphene	<31.2	ug/kg	31.2	9.4	1	12/02/19 11:31	12/09/19 21:40	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	91	%	30-150		1	12/02/19 11:31	12/09/19 21:40	877-09-8	
Decachlorobiphenyl (S)	91	%	30-150		1	12/02/19 11:31	12/09/19 21:40	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	<5.8	mg/kg	5.8	1.7	1	12/09/19 06:32	12/09/19 14:15	7440-38-2	
Barium	7.2	mg/kg	0.59	0.18	1	12/09/19 06:32	12/09/19 14:15	7440-39-3	
Cadmium	<0.59	mg/kg	0.59	0.16	1	12/09/19 06:32	12/09/19 14:15	7440-43-9	
Chromium	2.3	mg/kg	1.2	0.33	1	12/09/19 06:32	12/09/19 14:15	7440-47-3	
Lead	1.4J	mg/kg	2.4	0.71	1	12/09/19 06:32	12/09/19 14:15	7439-92-1	
Selenium	<5.2	mg/kg	5.2	1.5	1	12/09/19 06:32	12/09/19 14:15	7782-49-2	
Silver	<1.2	mg/kg	1.2	0.36	1	12/09/19 06:32	12/09/19 14:15	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.041	mg/kg	0.041	0.012	1	12/10/19 11:41	12/11/19 09:34	7439-97-6	
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Percent Moisture	15.5	%	0.10	0.10	1		12/09/19 10:39		N2
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Acetone	<683	ug/kg	683	205	1	12/05/19 08:15	12/05/19 21:43	67-64-1	W
Allyl chloride	<308	ug/kg	308	92.5	1	12/05/19 08:15	12/05/19 21:43	107-05-1	W
Benzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	71-43-2	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Sample: **SB-6 (10-12)** Lab ID: **10501017004** Collected: 11/26/19 12:00 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Bromobenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 21:43	108-86-1	W
Bromochloromethane	<70.0	ug/kg	70.0	25.0	1	12/05/19 08:15	12/05/19 21:43	74-97-5	W
Bromodichloromethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	75-27-4	W
Bromoform	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 21:43	75-25-2	W
Bromomethane	<250	ug/kg	250	63.8	1	12/05/19 08:15	12/05/19 21:43	74-83-9	W
2-Butanone (MEK)	<585	ug/kg	585	176	1	12/05/19 08:15	12/05/19 21:43	78-93-3	W
n-Butylbenzene	<100	ug/kg	100	30.0	1	12/05/19 08:15	12/05/19 21:43	104-51-8	W
sec-Butylbenzene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 21:43	135-98-8	W
tert-Butylbenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 21:43	98-06-6	W
Carbon tetrachloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	56-23-5	W
Chlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	108-90-7	W
Chloroethane	<250	ug/kg	250	46.4	1	12/05/19 08:15	12/05/19 21:43	75-00-3	W
Chloroform	<250	ug/kg	250	47.5	1	12/05/19 08:15	12/05/19 21:43	67-66-3	W
Chloromethane	<80.0	ug/kg	80.0	25.0	1	12/05/19 08:15	12/05/19 21:43	74-87-3	W
2-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 21:43	95-49-8	W
4-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 21:43	106-43-4	W
1,2-Dibromo-3-chloropropane	<789	ug/kg	789	237	1	12/05/19 08:15	12/05/19 21:43	96-12-8	W
Dibromochloromethane	<763	ug/kg	763	229	1	12/05/19 08:15	12/05/19 21:43	124-48-1	W
1,2-Dibromoethane (EDB)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	106-93-4	W
Dibromomethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	74-95-3	W
1,2-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	95-50-1	W
1,3-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	541-73-1	W
1,4-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	106-46-7	W
Dichlorodifluoromethane	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 21:43	75-71-8	W
1,1-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	75-34-3	W
1,2-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	107-06-2	W
1,1-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	75-35-4	W
cis-1,2-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	156-59-2	W
trans-1,2-Dichloroethene	<67.0	ug/kg	67.0	25.0	1	12/05/19 08:15	12/05/19 21:43	156-60-5	W
Dichlorofluoromethane	<95.0	ug/kg	95.0	28.6	1	12/05/19 08:15	12/05/19 21:43	75-43-4	W
1,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	78-87-5	W
1,3-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	142-28-9	W
2,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	594-20-7	W
1,1-Dichloropropene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	563-58-6	W
cis-1,3-Dichloropropene	<141	ug/kg	141	42.3	1	12/05/19 08:15	12/05/19 21:43	10061-01-5	W
trans-1,3-Dichloropropene	<74.0	ug/kg	74.0	25.0	1	12/05/19 08:15	12/05/19 21:43	10061-02-6	W
Diethyl ether (Ethyl ether)	<78.0	ug/kg	78.0	25.0	1	12/05/19 08:15	12/05/19 21:43	60-29-7	W
Ethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	100-41-4	W
Hexachloro-1,3-butadiene	<229	ug/kg	229	68.7	1	12/05/19 08:15	12/05/19 21:43	87-68-3	W
Isopropylbenzene (Cumene)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	98-82-8	W
p-Isopropyltoluene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 21:43	99-87-6	W
Methylene Chloride	<88.0	ug/kg	88.0	26.3	1	12/05/19 08:15	12/05/19 21:43	75-09-2	W
4-Methyl-2-pentanone (MIBK)	<433	ug/kg	433	130	1	12/05/19 08:15	12/05/19 21:43	108-10-1	W
Methyl-tert-butyl ether	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	1634-04-4	W
Naphthalene	<91.0	ug/kg	91.0	27.3	1	12/05/19 08:15	12/05/19 21:43	91-20-3	W

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Sample: SB-6 (10-12) **Lab ID: 10501017004** Collected: 11/26/19 12:00 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
n-Propylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	103-65-1	W
Styrene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	100-42-5	W
1,1,1,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	630-20-6	W
1,1,2,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	79-34-5	W
Tetrachloroethene	<129	ug/kg	129	38.7	1	12/05/19 08:15	12/05/19 21:43	127-18-4	W
Tetrahydrofuran	<417	ug/kg	417	125	1	12/05/19 08:15	12/05/19 21:43	109-99-9	W
Toluene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	108-88-3	W
1,2,3-Trichlorobenzene	<158	ug/kg	158	47.3	1	12/05/19 08:15	12/05/19 21:43	87-61-6	W
1,2,4-Trichlorobenzene	<250	ug/kg	250	41.7	1	12/05/19 08:15	12/05/19 21:43	120-82-1	W
1,1,1-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	71-55-6	W
1,1,2-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	79-00-5	W
Trichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	79-01-6	W
Trichlorofluoromethane	<65.0	ug/kg	65.0	25.0	1	12/05/19 08:15	12/05/19 21:43	75-69-4	W
1,2,3-Trichloropropane	<125	ug/kg	125	37.4	1	12/05/19 08:15	12/05/19 21:43	96-18-4	W
1,1,2-Trichlorotrifluoroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	76-13-1	W
1,2,4-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	95-63-6	W
1,3,5-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	108-67-8	W
Vinyl chloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 21:43	75-01-4	W
Xylene (Total)	<180	ug/kg	180	75.0	1	12/05/19 08:15	12/05/19 21:43	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	102	%	57-146		1	12/05/19 08:15	12/05/19 21:43	1868-53-7	
Toluene-d8 (S)	102	%	64-134		1	12/05/19 08:15	12/05/19 21:43	2037-26-5	
4-Bromofluorobenzene (S)	90	%	54-126		1	12/05/19 08:15	12/05/19 21:43	460-00-4	

9045D pH

Analytical Method: EPA 9045D

pH at 25 Degrees C	6.4	Std. Units	0.10	0.10	1		12/04/19 18:24		
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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Sample: Dup-5S **Lab ID:** 10501017005 Collected: 11/26/19 12:10 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8081A GCS Pesticides									
Analytical Method: EPA 8081 Preparation Method: EPA 3550									
Aldrin	<2.0	ug/kg	2.0	0.60	1	12/02/19 11:31	12/09/19 21:59	309-00-2	
alpha-BHC	<0.46	ug/kg	0.46	0.14	1	12/02/19 11:31	12/09/19 21:59	319-84-6	
beta-BHC	<0.85	ug/kg	0.85	0.26	1	12/02/19 11:31	12/09/19 21:59	319-85-7	
delta-BHC	<0.53	ug/kg	0.53	0.16	1	12/02/19 11:31	12/09/19 21:59	319-86-8	
gamma-BHC (Lindane)	<0.54	ug/kg	0.54	0.16	1	12/02/19 11:31	12/09/19 21:59	58-89-9	
Chlordane (Technical)	<16.6	ug/kg	16.6	5.0	1	12/02/19 11:31	12/09/19 21:59	57-74-9	
alpha-Chlordane	<0.52	ug/kg	0.52	0.15	1	12/02/19 11:31	12/09/19 21:59	5103-71-9	
gamma-Chlordane	<1.5	ug/kg	1.5	0.44	1	12/02/19 11:31	12/09/19 21:59	5103-74-2	
4,4'-DDD	<1.2	ug/kg	1.2	0.35	1	12/02/19 11:31	12/09/19 21:59	72-54-8	
4,4'-DDE	<0.95	ug/kg	0.95	0.28	1	12/02/19 11:31	12/09/19 21:59	72-55-9	
4,4'-DDT	<3.5	ug/kg	3.5	1.0	1	12/02/19 11:31	12/09/19 21:59	50-29-3	
Dieldrin	<1.2	ug/kg	1.2	0.37	1	12/02/19 11:31	12/09/19 21:59	60-57-1	
Endosulfan I	<0.57	ug/kg	0.57	0.17	1	12/02/19 11:31	12/09/19 21:59	959-98-8	
Endosulfan II	<4.9	ug/kg	4.9	1.5	1	12/02/19 11:31	12/09/19 21:59	33213-65-9	
Endosulfan sulfate	<3.5	ug/kg	3.5	1.0	1	12/02/19 11:31	12/09/19 21:59	1031-07-8	
Endrin	<1.1	ug/kg	1.1	0.34	1	12/02/19 11:31	12/09/19 21:59	72-20-8	
Endrin aldehyde	<4.0	ug/kg	4.0	1.2	1	12/02/19 11:31	12/09/19 21:59	7421-93-4	
Endrin ketone	<4.4	ug/kg	4.4	1.3	1	12/02/19 11:31	12/09/19 21:59	53494-70-5	
Heptachlor	<2.6	ug/kg	2.6	0.77	1	12/02/19 11:31	12/09/19 21:59	76-44-8	
Heptachlor epoxide	<0.60	ug/kg	0.60	0.18	1	12/02/19 11:31	12/09/19 21:59	1024-57-3	
Methoxychlor	<9.6	ug/kg	9.6	2.9	1	12/02/19 11:31	12/09/19 21:59	72-43-5	
Toxaphene	<30.2	ug/kg	30.2	9.1	1	12/02/19 11:31	12/09/19 21:59	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	90	%	30-150		1	12/02/19 11:31	12/09/19 21:59	877-09-8	
Decachlorobiphenyl (S)	91	%	30-150		1	12/02/19 11:31	12/09/19 21:59	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	<5.3	mg/kg	5.3	1.6	1	12/09/19 06:32	12/09/19 14:18	7440-38-2	
Barium	8.1	mg/kg	0.55	0.16	1	12/09/19 06:32	12/09/19 14:18	7440-39-3	
Cadmium	<0.55	mg/kg	0.55	0.15	1	12/09/19 06:32	12/09/19 14:18	7440-43-9	
Chromium	2.2	mg/kg	1.1	0.30	1	12/09/19 06:32	12/09/19 14:18	7440-47-3	
Lead	1.1J	mg/kg	2.2	0.66	1	12/09/19 06:32	12/09/19 14:18	7439-92-1	
Selenium	<4.8	mg/kg	4.8	1.4	1	12/09/19 06:32	12/09/19 14:18	7782-49-2	
Silver	<1.1	mg/kg	1.1	0.34	1	12/09/19 06:32	12/09/19 14:18	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.036	mg/kg	0.036	0.011	1	12/10/19 11:41	12/11/19 09:36	7439-97-6	
Dry Weight / %M by ASTM D2974									
Analytical Method: ASTM D2974									
Percent Moisture	12.9	%	0.10	0.10	1		12/09/19 11:32		N2
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Acetone	<683	ug/kg	683	205	1	12/05/19 08:15	12/05/19 22:06	67-64-1	W
Allyl chloride	<308	ug/kg	308	92.5	1	12/05/19 08:15	12/05/19 22:06	107-05-1	W
Benzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	71-43-2	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Sample: Dup-5S Lab ID: 10501017005 Collected: 11/26/19 12:10 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Bromobenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 22:06	108-86-1	W
Bromochloromethane	<70.0	ug/kg	70.0	25.0	1	12/05/19 08:15	12/05/19 22:06	74-97-5	W
Bromodichloromethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	75-27-4	W
Bromoform	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 22:06	75-25-2	W
Bromomethane	<250	ug/kg	250	63.8	1	12/05/19 08:15	12/05/19 22:06	74-83-9	W
2-Butanone (MEK)	<585	ug/kg	585	176	1	12/05/19 08:15	12/05/19 22:06	78-93-3	W
n-Butylbenzene	<100	ug/kg	100	30.0	1	12/05/19 08:15	12/05/19 22:06	104-51-8	W
sec-Butylbenzene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 22:06	135-98-8	W
tert-Butylbenzene	<62.0	ug/kg	62.0	25.0	1	12/05/19 08:15	12/05/19 22:06	98-06-6	W
Carbon tetrachloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	56-23-5	W
Chlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	108-90-7	W
Chloroethane	<250	ug/kg	250	46.4	1	12/05/19 08:15	12/05/19 22:06	75-00-3	W
Chloroform	<250	ug/kg	250	47.5	1	12/05/19 08:15	12/05/19 22:06	67-66-3	W
Chloromethane	<80.0	ug/kg	80.0	25.0	1	12/05/19 08:15	12/05/19 22:06	74-87-3	W
2-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 22:06	95-49-8	W
4-Chlorotoluene	<64.0	ug/kg	64.0	25.0	1	12/05/19 08:15	12/05/19 22:06	106-43-4	W
1,2-Dibromo-3-chloropropane	<789	ug/kg	789	237	1	12/05/19 08:15	12/05/19 22:06	96-12-8	W
Dibromochloromethane	<763	ug/kg	763	229	1	12/05/19 08:15	12/05/19 22:06	124-48-1	W
1,2-Dibromoethane (EDB)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	106-93-4	W
Dibromomethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	74-95-3	W
1,2-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	95-50-1	W
1,3-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	541-73-1	W
1,4-Dichlorobenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	106-46-7	W
Dichlorodifluoromethane	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 22:06	75-71-8	W
1,1-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	75-34-3	W
1,2-Dichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	107-06-2	W
1,1-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	75-35-4	W
cis-1,2-Dichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	156-59-2	W
trans-1,2-Dichloroethene	<67.0	ug/kg	67.0	25.0	1	12/05/19 08:15	12/05/19 22:06	156-60-5	W
Dichlorofluoromethane	<95.0	ug/kg	95.0	28.6	1	12/05/19 08:15	12/05/19 22:06	75-43-4	W
1,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	78-87-5	W
1,3-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	142-28-9	W
2,2-Dichloropropane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	594-20-7	W
1,1-Dichloropropene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	563-58-6	W
cis-1,3-Dichloropropene	<141	ug/kg	141	42.3	1	12/05/19 08:15	12/05/19 22:06	10061-01-5	W
trans-1,3-Dichloropropene	<74.0	ug/kg	74.0	25.0	1	12/05/19 08:15	12/05/19 22:06	10061-02-6	W
Diethyl ether (Ethyl ether)	<78.0	ug/kg	78.0	25.0	1	12/05/19 08:15	12/05/19 22:06	60-29-7	W
Ethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	100-41-4	W
Hexachloro-1,3-butadiene	<229	ug/kg	229	68.7	1	12/05/19 08:15	12/05/19 22:06	87-68-3	W
Isopropylbenzene (Cumene)	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	98-82-8	W
p-Isopropyltoluene	<72.0	ug/kg	72.0	25.0	1	12/05/19 08:15	12/05/19 22:06	99-87-6	W
Methylene Chloride	<88.0	ug/kg	88.0	26.3	1	12/05/19 08:15	12/05/19 22:06	75-09-2	W
4-Methyl-2-pentanone (MIBK)	<433	ug/kg	433	130	1	12/05/19 08:15	12/05/19 22:06	108-10-1	W
Methyl-tert-butyl ether	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	1634-04-4	W
Naphthalene	<91.0	ug/kg	91.0	27.3	1	12/05/19 08:15	12/05/19 22:06	91-20-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

Sample: Dup-5S **Lab ID: 10501017005** Collected: 11/26/19 12:10 Received: 11/27/19 12:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
n-Propylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	103-65-1	W
Styrene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	100-42-5	W
1,1,1,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	630-20-6	W
1,1,2,2-Tetrachloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	79-34-5	W
Tetrachloroethene	<129	ug/kg	129	38.7	1	12/05/19 08:15	12/05/19 22:06	127-18-4	W
Tetrahydrofuran	<417	ug/kg	417	125	1	12/05/19 08:15	12/05/19 22:06	109-99-9	W
Toluene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	108-88-3	W
1,2,3-Trichlorobenzene	<158	ug/kg	158	47.3	1	12/05/19 08:15	12/05/19 22:06	87-61-6	W
1,2,4-Trichlorobenzene	<250	ug/kg	250	41.7	1	12/05/19 08:15	12/05/19 22:06	120-82-1	W
1,1,1-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	71-55-6	W
1,1,2-Trichloroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	79-00-5	W
Trichloroethene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	79-01-6	W
Trichlorofluoromethane	<65.0	ug/kg	65.0	25.0	1	12/05/19 08:15	12/05/19 22:06	75-69-4	W
1,2,3-Trichloropropane	<125	ug/kg	125	37.4	1	12/05/19 08:15	12/05/19 22:06	96-18-4	W
1,1,2-Trichlorotrifluoroethane	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	76-13-1	W
1,2,4-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	95-63-6	W
1,3,5-Trimethylbenzene	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	108-67-8	W
Vinyl chloride	<60.0	ug/kg	60.0	25.0	1	12/05/19 08:15	12/05/19 22:06	75-01-4	W
Xylene (Total)	<180	ug/kg	180	75.0	1	12/05/19 08:15	12/05/19 22:06	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	97	%	57-146		1	12/05/19 08:15	12/05/19 22:06	1868-53-7	
Toluene-d8 (S)	98	%	64-134		1	12/05/19 08:15	12/05/19 22:06	2037-26-5	
4-Bromofluorobenzene (S)	89	%	54-126		1	12/05/19 08:15	12/05/19 22:06	460-00-4	

9045D pH

Analytical Method: EPA 9045D

pH at 25 Degrees C **6.3** Std. Units 0.10 0.10 1 12/04/19 18:24

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property
Pace Project No.: 10501017

QC Batch: 342974 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 10501017001, 10501017002, 10501017003, 10501017004, 10501017005

METHOD BLANK: 1991595 Matrix: Solid
Associated Lab Samples: 10501017001, 10501017002, 10501017003, 10501017004, 10501017005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.035	0.035	12/11/19 08:59	

LABORATORY CONTROL SAMPLE: 1991596

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.89	107	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1991597 1991598

Parameter	Units	40200050001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.032J	1.07	1.07	1.2	1.2	105	106	85-115	2	20	

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

QC Batch: 342574 Analysis Method: EPA 6010
 QC Batch Method: EPA 3050 Analysis Description: 6010 MET
 Associated Lab Samples: 10501017001, 10501017002, 10501017003, 10501017004, 10501017005

METHOD BLANK: 1989225 Matrix: Solid
 Associated Lab Samples: 10501017001, 10501017002, 10501017003, 10501017004, 10501017005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<4.9	4.9	12/09/19 13:30	
Barium	mg/kg	<0.50	0.50	12/09/19 13:30	
Cadmium	mg/kg	<0.50	0.50	12/09/19 13:30	
Chromium	mg/kg	<1.0	1.0	12/09/19 13:30	
Lead	mg/kg	<2.0	2.0	12/09/19 13:30	
Selenium	mg/kg	<4.4	4.4	12/09/19 13:30	
Silver	mg/kg	<1.0	1.0	12/09/19 13:30	

LABORATORY CONTROL SAMPLE: 1989226

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	48.9	98	80-120	
Barium	mg/kg	50	48.2	96	80-120	
Cadmium	mg/kg	50	49.0	98	80-120	
Chromium	mg/kg	50	49.9	100	80-120	
Lead	mg/kg	50	48.5	97	80-120	
Selenium	mg/kg	50	49.4	99	80-120	
Silver	mg/kg	25	24.2	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1989227 1989228

Parameter	Units	10501003001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Arsenic	mg/kg	3.5J	60.6	60.6	58.5	56.7	91	88	75-125	3	20		
Barium	mg/kg	44.6	60.6	60.6	110	114	109	114	75-125	3	20		
Cadmium	mg/kg	<0.61	60.6	60.6	56.5	55.9	93	92	75-125	1	20		
Chromium	mg/kg	17.8	60.6	60.6	77.0	77.2	98	98	75-125	0	20		
Lead	mg/kg	7.0	60.6	60.6	63.0	61.6	92	90	75-125	2	20		
Selenium	mg/kg	<5.3	60.6	60.6	56.6	55.5	92	90	75-125	2	20		
Silver	mg/kg	<1.2	30.3	30.3	27.8	27.8	92	92	75-125	0	20		

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

QC Batch: 648798

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight / %M by ASTM D2974

Associated Lab Samples: 10501017001, 10501017002, 10501017003, 10501017004

SAMPLE DUPLICATE: 3490416

Parameter	Units	10501741001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.8	10.6	2	30	N2

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

QC Batch: 648818

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight / %M by ASTM D2974

Associated Lab Samples: 10501017005

SAMPLE DUPLICATE: 3490370

Parameter	Units	10501017005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.9	13.5	4	30	N2

SAMPLE DUPLICATE: 3490371

Parameter	Units	10501655001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.3	6.2	15	30	N2

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property
Pace Project No.: 10501017

QC Batch: 342582 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 10501017001, 10501017002, 10501017003, 10501017004, 10501017005

METHOD BLANK: 1989243 Matrix: Solid
Associated Lab Samples: 10501017001, 10501017002, 10501017003, 10501017004, 10501017005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<50.0	50.0	12/05/19 12:51	
1,1,1-Trichloroethane	ug/kg	<50.0	50.0	12/05/19 12:51	
1,1,2,2-Tetrachloroethane	ug/kg	<52.0	52.0	12/05/19 12:51	
1,1,2-Trichloroethane	ug/kg	<52.0	52.0	12/05/19 12:51	
1,1,2-Trichlorotrifluoroethane	ug/kg	<50.0	50.0	12/05/19 12:51	
1,1-Dichloroethane	ug/kg	<50.0	50.0	12/05/19 12:51	
1,1-Dichloroethene	ug/kg	<50.0	50.0	12/05/19 12:51	
1,1-Dichloropropene	ug/kg	<50.0	50.0	12/05/19 12:51	
1,2,3-Trichlorobenzene	ug/kg	<158	158	12/05/19 12:51	
1,2,3-Trichloropropane	ug/kg	<125	125	12/05/19 12:51	
1,2,4-Trichlorobenzene	ug/kg	<250	250	12/05/19 12:51	
1,2,4-Trimethylbenzene	ug/kg	<60.0	60.0	12/05/19 12:51	
1,2-Dibromo-3-chloropropane	ug/kg	<789	789	12/05/19 12:51	
1,2-Dibromoethane (EDB)	ug/kg	<57.0	57.0	12/05/19 12:51	
1,2-Dichlorobenzene	ug/kg	<50.0	50.0	12/05/19 12:51	
1,2-Dichloroethane	ug/kg	<50.0	50.0	12/05/19 12:51	
1,2-Dichloropropane	ug/kg	<50.0	50.0	12/05/19 12:51	
1,3,5-Trimethylbenzene	ug/kg	<53.0	53.0	12/05/19 12:51	
1,3-Dichlorobenzene	ug/kg	<50.0	50.0	12/05/19 12:51	
1,3-Dichloropropane	ug/kg	<50.0	50.0	12/05/19 12:51	
1,4-Dichlorobenzene	ug/kg	<50.0	50.0	12/05/19 12:51	
2,2-Dichloropropane	ug/kg	<52.0	52.0	12/05/19 12:51	
2-Butanone (MEK)	ug/kg	<585	585	12/05/19 12:51	
2-Chlorotoluene	ug/kg	<64.0	64.0	12/05/19 12:51	
4-Chlorotoluene	ug/kg	<64.0	64.0	12/05/19 12:51	
4-Methyl-2-pentanone (MIBK)	ug/kg	<433	433	12/05/19 12:51	
Acetone	ug/kg	<683	683	12/05/19 12:51	
Allyl chloride	ug/kg	<308	308	12/05/19 12:51	
Benzene	ug/kg	<42.0	42.0	12/05/19 12:51	
Bromobenzene	ug/kg	<62.0	62.0	12/05/19 12:51	
Bromochloromethane	ug/kg	<70.0	70.0	12/05/19 12:51	
Bromodichloromethane	ug/kg	<50.0	50.0	12/05/19 12:51	
Bromoform	ug/kg	<72.0	72.0	12/05/19 12:51	
Bromomethane	ug/kg	<250	250	12/05/19 12:51	
Carbon tetrachloride	ug/kg	<50.0	50.0	12/05/19 12:51	
Chlorobenzene	ug/kg	<56.0	56.0	12/05/19 12:51	
Chloroethane	ug/kg	<250	250	12/05/19 12:51	
Chloroform	ug/kg	<250	250	12/05/19 12:51	
Chloromethane	ug/kg	<80.0	80.0	12/05/19 12:51	
cis-1,2-Dichloroethene	ug/kg	<50.0	50.0	12/05/19 12:51	
cis-1,3-Dichloropropene	ug/kg	<141	141	12/05/19 12:51	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

METHOD BLANK: 1989243

Matrix: Solid

Associated Lab Samples: 10501017001, 10501017002, 10501017003, 10501017004, 10501017005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	<763	763	12/05/19 12:51	
Dibromomethane	ug/kg	<59.0	59.0	12/05/19 12:51	
Dichlorodifluoromethane	ug/kg	<72.0	72.0	12/05/19 12:51	
Dichlorofluoromethane	ug/kg	<95.0	95.0	12/05/19 12:51	
Diethyl ether (Ethyl ether)	ug/kg	<78.0	78.0	12/05/19 12:51	
Ethylbenzene	ug/kg	<50.0	50.0	12/05/19 12:51	
Hexachloro-1,3-butadiene	ug/kg	<229	229	12/05/19 12:51	
Isopropylbenzene (Cumene)	ug/kg	<59.0	59.0	12/05/19 12:51	
Methyl-tert-butyl ether	ug/kg	<54.0	54.0	12/05/19 12:51	
Methylene Chloride	ug/kg	<88.0	88.0	12/05/19 12:51	
n-Butylbenzene	ug/kg	<100	100	12/05/19 12:51	
n-Propylbenzene	ug/kg	<59.0	59.0	12/05/19 12:51	
Naphthalene	ug/kg	<91.0	91.0	12/05/19 12:51	
p-Isopropyltoluene	ug/kg	<72.0	72.0	12/05/19 12:51	
sec-Butylbenzene	ug/kg	<72.0	72.0	12/05/19 12:51	
Styrene	ug/kg	<50.0	50.0	12/05/19 12:51	
tert-Butylbenzene	ug/kg	<62.0	62.0	12/05/19 12:51	
Tetrachloroethene	ug/kg	<129	129	12/05/19 12:51	
Tetrahydrofuran	ug/kg	<417	417	12/05/19 12:51	
Toluene	ug/kg	<50.0	50.0	12/05/19 12:51	
trans-1,2-Dichloroethene	ug/kg	<67.0	67.0	12/05/19 12:51	
trans-1,3-Dichloropropene	ug/kg	<74.0	74.0	12/05/19 12:51	
Trichloroethene	ug/kg	<50.0	50.0	12/05/19 12:51	
Trichlorofluoromethane	ug/kg	<65.0	65.0	12/05/19 12:51	
Vinyl chloride	ug/kg	<50.0	50.0	12/05/19 12:51	
Xylene (Total)	ug/kg	<168	168	12/05/19 12:51	
4-Bromofluorobenzene (S)	%	85	54-126	12/05/19 12:51	
Dibromofluoromethane (S)	%	94	57-146	12/05/19 12:51	
Toluene-d8 (S)	%	92	64-134	12/05/19 12:51	

LABORATORY CONTROL SAMPLE: 1989244

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2430	97	70-132	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2360	94	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2320	93	70-130	
1,1,2-Trichlorotrifluoroethane	ug/kg	2500	2320	93	50-150	
1,1-Dichloroethane	ug/kg	2500	2480	99	70-130	
1,1-Dichloroethene	ug/kg	2500	2270	91	77-126	
1,2,4-Trichlorobenzene	ug/kg	2500	2230	89	66-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2270	91	54-129	
1,2-Dibromoethane (EDB)	ug/kg	2500	2210	88	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2230	89	70-130	
1,2-Dichloroethane	ug/kg	2500	2380	95	70-134	

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

LABORATORY CONTROL SAMPLE: 1989244

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/kg	2500	2310	92	74-124	
1,3-Dichlorobenzene	ug/kg	2500	2250	90	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2100	84	70-130	
Benzene	ug/kg	2500	2340	94	70-130	
Bromodichloromethane	ug/kg	2500	2430	97	70-130	
Bromoform	ug/kg	2500	2160	87	47-115	
Bromomethane	ug/kg	2500	1980	79	64-165	
Carbon tetrachloride	ug/kg	2500	2470	99	70-131	
Chlorobenzene	ug/kg	2500	2290	92	70-130	
Chloroethane	ug/kg	2500	2260	90	28-197	
Chloroform	ug/kg	2500	2300	92	80-131	
Chloromethane	ug/kg	2500	2100	84	45-118	
cis-1,2-Dichloroethene	ug/kg	2500	2370	95	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2170	87	70-130	
Dibromochloromethane	ug/kg	2500	2150	86	70-130	
Dichlorodifluoromethane	ug/kg	2500	1980	79	38-108	
Ethylbenzene	ug/kg	2500	2350	94	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2390	96	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2370	95	70-130	
Methylene Chloride	ug/kg	2500	2290	92	70-130	
Styrene	ug/kg	2500	2180	87	70-130	
Tetrachloroethene	ug/kg	2500	2270	91	70-130	
Toluene	ug/kg	2500	2320	93	80-121	
trans-1,2-Dichloroethene	ug/kg	2500	2400	96	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2130	85	70-130	
Trichloroethene	ug/kg	2500	2390	96	70-130	
Trichlorofluoromethane	ug/kg	2500	2270	91	81-141	
Vinyl chloride	ug/kg	2500	2240	90	68-121	
Xylene (Total)	ug/kg	7500	7190	96	70-130	
4-Bromofluorobenzene (S)	%			104	54-126	
Dibromofluoromethane (S)	%			108	57-146	
Toluene-d8 (S)	%			103	64-134	

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property
Pace Project No.: 10501017

QC Batch: 647588 Analysis Method: EPA 8081
QC Batch Method: EPA 3550 Analysis Description: 8081A GCS Pesticides
Associated Lab Samples: 10501017003, 10501017004, 10501017005

METHOD BLANK: 3484592 Matrix: Solid
Associated Lab Samples: 10501017003, 10501017004, 10501017005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/kg	<1.0	1.0	12/09/19 21:04	
4,4'-DDE	ug/kg	<0.83	0.83	12/09/19 21:04	
4,4'-DDT	ug/kg	<3.0	3.0	12/09/19 21:04	
Aldrin	ug/kg	<1.8	1.8	12/09/19 21:04	
alpha-BHC	ug/kg	<0.40	0.40	12/09/19 21:04	
alpha-Chlordane	ug/kg	<0.45	0.45	12/09/19 21:04	
beta-BHC	ug/kg	<0.74	0.74	12/09/19 21:04	
Chlordane (Technical)	ug/kg	<14.5	14.5	12/09/19 21:04	
delta-BHC	ug/kg	<0.46	0.46	12/09/19 21:04	
Dieldrin	ug/kg	<1.1	1.1	12/09/19 21:04	
Endosulfan I	ug/kg	<0.50	0.50	12/09/19 21:04	
Endosulfan II	ug/kg	<4.3	4.3	12/09/19 21:04	
Endosulfan sulfate	ug/kg	<3.0	3.0	12/09/19 21:04	
Endrin	ug/kg	<0.99	0.99	12/09/19 21:04	
Endrin aldehyde	ug/kg	<3.5	3.5	12/09/19 21:04	
Endrin ketone	ug/kg	<3.8	3.8	12/09/19 21:04	
gamma-BHC (Lindane)	ug/kg	<0.47	0.47	12/09/19 21:04	
gamma-Chlordane	ug/kg	<1.3	1.3	12/09/19 21:04	
Heptachlor	ug/kg	<2.2	2.2	12/09/19 21:04	
Heptachlor epoxide	ug/kg	<0.52	0.52	12/09/19 21:04	
Methoxychlor	ug/kg	<8.4	8.4	12/09/19 21:04	
Toxaphene	ug/kg	<26.3	26.3	12/09/19 21:04	
Decachlorobiphenyl (S)	%	92	30-150	12/09/19 21:04	
Tetrachloro-m-xylene (S)	%	90	30-150	12/09/19 21:04	

LABORATORY CONTROL SAMPLE: 3484593

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/kg	33.3	31.9	96	75-125	
4,4'-DDE	ug/kg	33.3	32.1	96	75-125	
4,4'-DDT	ug/kg	33.3	32.6	98	73-125	
Aldrin	ug/kg	16.7	15.7	94	75-125	
alpha-BHC	ug/kg	16.7	15.9	95	75-125	
alpha-Chlordane	ug/kg	16.7	15.1	91	75-125	
beta-BHC	ug/kg	16.7	15.1	90	75-125	
delta-BHC	ug/kg	16.7	15.3	92	46-132	
Dieldrin	ug/kg	33.3	31.7	95	75-125	
Endosulfan I	ug/kg	16.7	15.0	90	68-125	
Endosulfan II	ug/kg	33.3	31.0	93	75-125	
Endosulfan sulfate	ug/kg	33.3	31.8	95	72-125	

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

LABORATORY CONTROL SAMPLE: 3484593

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	ug/kg	33.3	32.0	96	75-125	
Endrin aldehyde	ug/kg	33.3	31.4	94	75-125	
Endrin ketone	ug/kg	33.3	34.4	103	75-125	
gamma-BHC (Lindane)	ug/kg	16.7	15.6	94	75-125	
gamma-Chlordane	ug/kg	16.7	14.7	88	72-125	
Heptachlor	ug/kg	16.7	15.2	91	75-125	
Heptachlor epoxide	ug/kg	16.7	15.3	92	75-125	
Methoxychlor	ug/kg	167	165	99	73-125	
Decachlorobiphenyl (S)	%			92	30-150	
Tetrachloro-m-xylene (S)	%			90	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3484594 3484595

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10501017003 Result	Spike Conc.	Spike Conc.	MS Result								
4,4'-DDD	ug/kg	<5.8	38.1	38.1	32.7	34.3	86	90	30-150	5	20		
4,4'-DDE	ug/kg	<4.7	38.1	38.1	32.5	34.0	85	89	52-147	5	20		
4,4'-DDT	ug/kg	<17.3	38.1	38.1	30.5	31.5	80	83	53-142	3	20		
Aldrin	ug/kg	<10.0	19.1	19.1	16.7	17.5	87	92	70-125	5	20		
alpha-BHC	ug/kg	<2.3	19.1	19.1	15.9	16.5	84	87	58-136	4	20		
alpha-Chlordane	ug/kg	<2.6	19.1	19.1	17.1	17.9	90	94	65-135	5	20		
beta-BHC	ug/kg	<4.3	19.1	19.1	17.8	18.5	93	97	30-150	4	20		
delta-BHC	ug/kg	<2.6	19.1	19.1	15.6	16.3	82	85	36-140	4	20		
Dieldrin	ug/kg	<6.1	38.1	38.1	33.3	34.9	87	92	41-150	5	20		
Endosulfan I	ug/kg	<2.9	19.1	19.1	17.2	18.0	90	94	55-128	5	20		
Endosulfan II	ug/kg	<24.6	38.1	38.1	34.8	36.3	91	95	73-127	4	20		
Endosulfan sulfate	ug/kg	<17.3	38.1	38.1	35.1	36.8	92	96	56-129	5	20		
Endrin	ug/kg	<5.7	38.1	38.1	33.5	35.1	88	92	64-125	5	20		
Endrin aldehyde	ug/kg	<19.8	38.1	38.1	34.7	36.1	91	95	52-149	4	20		
Endrin ketone	ug/kg	<21.7	38.1	38.1	35.2	36.3	92	95	62-147	3	20		
gamma-BHC (Lindane)	ug/kg	<2.7	19.1	19.1	16.2	16.9	85	89	66-126	4	20		
gamma-Chlordane	ug/kg	<7.3	19.1	19.1	16.1	16.8	84	88	30-150	4	20		
Heptachlor	ug/kg	<12.8	19.1	19.1	16.5	17.2	86	90	72-128	4	20		
Heptachlor epoxide	ug/kg	<3.0	19.1	19.1	17.3	18.1	91	95	63-134	5	20		
Methoxychlor	ug/kg	<47.9	191	191	174	181	91	95	67-134	4	20		
Decachlorobiphenyl (S)	%						95	96	30-150				
Tetrachloro-m-xylene (S)	%						88	91	30-150			1M,D3	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

QC Batch: 648141 Analysis Method: EPA 9045D

QC Batch Method: EPA 9045D Analysis Description: 9045D pH

Associated Lab Samples: 10501017003, 10501017004, 10501017005

LABORATORY CONTROL SAMPLE: 3486814

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
pH at 25 Degrees C	Std. Units	5	4.9	98	98-102	

SAMPLE DUPLICATE: 3486815

Parameter	Units	10499996008 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.9	7.0	1	3	

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QUALIFIERS

Project: J190928 Kitelinger Property

Pace Project No.: 10501017

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

1M Sample was light yellow in color.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: J190928 Kitelinger Property
Pace Project No.: 10501017

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10501017003	SB-6 (4-6)	EPA 3550	647588	EPA 8081	648981
10501017004	SB-6 (10-12)	EPA 3550	647588	EPA 8081	648981
10501017005	Dup-5S	EPA 3550	647588	EPA 8081	648981
10501017001	SB-5 (4-6)	EPA 3050	342574	EPA 6010	342909
10501017002	SB-5 (6-8)	EPA 3050	342574	EPA 6010	342909
10501017003	SB-6 (4-6)	EPA 3050	342574	EPA 6010	342909
10501017004	SB-6 (10-12)	EPA 3050	342574	EPA 6010	342909
10501017005	Dup-5S	EPA 3050	342574	EPA 6010	342909
10501017001	SB-5 (4-6)	EPA 7471	342974	EPA 7471	343053
10501017002	SB-5 (6-8)	EPA 7471	342974	EPA 7471	343053
10501017003	SB-6 (4-6)	EPA 7471	342974	EPA 7471	343053
10501017004	SB-6 (10-12)	EPA 7471	342974	EPA 7471	343053
10501017005	Dup-5S	EPA 7471	342974	EPA 7471	343053
10501017001	SB-5 (4-6)	ASTM D2974	648798		
10501017002	SB-5 (6-8)	ASTM D2974	648798		
10501017003	SB-6 (4-6)	ASTM D2974	648798		
10501017004	SB-6 (10-12)	ASTM D2974	648798		
10501017005	Dup-5S	ASTM D2974	648818		
10501017001	SB-5 (4-6)	EPA 5035/5030B	342582	EPA 8260	342601
10501017002	SB-5 (6-8)	EPA 5035/5030B	342582	EPA 8260	342601
10501017003	SB-6 (4-6)	EPA 5035/5030B	342582	EPA 8260	342601
10501017004	SB-6 (10-12)	EPA 5035/5030B	342582	EPA 8260	342601
10501017005	Dup-5S	EPA 5035/5030B	342582	EPA 8260	342601
10501017003	SB-6 (4-6)	EPA 9045D	648141		
10501017004	SB-6 (10-12)	EPA 9045D	648141		
10501017005	Dup-5S	EPA 9045D	648141		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Section D EQuIS Information:		#CoolerZ	
Company: Bay West LLC		Report To: Nick V@baywest.com		Attention: Accounts Payable		Facility Name:		Page 2 of 3	
Address: 5 Empire Drive		Copy To:		Company Name: Bay West LLC		Facility Code:		COC# 4	
St. Paul MN 55103				Address: 5 Empire Drive		Facility ID:		Site Location	
Email To: Nick V@baywest.com		Purchase Order No: 201827		Lab Quote Reference:		Subfacility code:		STATE: MN	
Phone: (651)-291-3441		Project Name: Kritefinger Property		Lab Project Manager: Oyeyemi Odujole					
Requested Due Date/TAT: Standard		Project Number: J 190928							

ITEM #	Section E Required Client Information		Valid Matrix Codes		Collection		Preservatives								Requested Analysis				Comments			
	Sample ID (sys_sample_code)	MATRIX	CODE	DATE	Time	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	RORA Metals	VOCs by 8260	MOISTURE	PESTICIDES 8081		PH		
1	SB-5(4-6)	SL	G	11-26-19	1125	4	2					2			X	X	X				w1	
2	SB-5(6-8)	SL	G	11-26-19	1130	4	2					2			X	X	X				w2	
3	SB-6(4-6)	SL	G	11-26-19	1200	6	4					2			X	X	X	X	X		w3	
4	SB-6(10-12)	SL	G	11-26-19	1205	6	4					2			X	X	X	X	X		w4	
5	DUP-SS	SL	G	11-26-19	1200	6	4					2			X	X	X	X	X		w5	
6																						
7																						
8																						
9																						
10																						
11																						
12																						

WO#: 10501017



10501017


ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
Petrofund job for a commercial client in MN	Jules [Signature]	11.27.19	1215	[Signature]	11.27.19	1030	Temp (°C)	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)	
#CoolerZ					11/27/19	1215	2.5	Y	Y	Y	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Courtney Smith

SIGNATURE of SAMPLER: [Signature]

DATE Signed (MM/DD/YY): 11/26/19

	Document Name: Sample Condition Upon Receipt Form	Document Revised: 14Nov2019 Page 1 of 1
	Document No.: F-MN-L-213-rev.30	Pace Analytical Services - Minneapolis

Sample Condition Upon Receipt **Client Name:** Bay west LLC **Project #:** **WO# : 10501017**

Courier: Fed Ex UPS USPS Client
 Pace Speedee Commercial See Exceptions

Tracking Number: _____

PM: OEO **Due Date: 12/13/19**
CLIENT: BW-BAY WEST

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

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

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

Note: Each West Virginia Sample must have temp taken (no temp blanks)

Temp should be above freezing to 6°C	Cooler Temp Read w/temp blank: <u>2.5</u> °C	Average Corrected Temp (no temp blank only): <input type="checkbox"/> See Exceptions
Correction Factor: <u>True</u>	Cooler Temp Corrected w/temp blank: <u>2.5</u> °C	<input type="checkbox"/> 1 Container

USDA Regulated Soil: (N/A, water sample/Other: _____) **Date/Initials of Person Examining Contents:** MKZ 12-27-19

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? Yes No Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

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

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

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

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Oyeyemi Odunle **Date:** 12/2/19

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

Labeled by: [Signature] Page 37 of 40

40200187

Chain of Custody



Samples were sent directly to the Subcontracting Laboratory.

State Of Origin: WI
Cert. Needed: Yes No

Workorder: 10501017 Workorder Name: J190928 Kitelinger Property Owner Received Date: 11/27/2019 Results Requested By: 12/13/2019

Report To		Subcontract To				Requested Analysis																																			
Oyeyemi Odujole Pace Analytical Minnesota 1700 Elm Street Suite 200 Minneapolis, MN 55414 Phone (612)607-6402		Pace Analytical Green Bay 1241 Bellevue Street Suite 9 Green Bay, WI 54302 Phone (920)469-2436																																							
						LAB USE ONLY																																			
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers								6010/7471 RCRA metals	8260 VOC																										
						MeOH-VG9M	Unpres-IGFU																																		
1	SB-5 (4-6)	PS	11/26/2019 11:25	10501017001	Solid	2	1									X	X																								001
2	SB-5 (6-8)	PS	11/26/2019 11:30	10501017002	Solid	2	1									X	X																						002		
3	SB-6 (4-6)	PS	11/26/2019 12:00	10501017003	Solid	2	1									X	X																					003			
4	SB-6 (10-12)	PS	11/26/2019 12:00	10501017004	Solid	2	1									X	X																					004			
5	Dup-5S	PS	11/26/2019 12:10	10501017005	Solid	2	1									X	X																					005			
Transfers		Released By		Date/Time		Received By		Date/Time		Comments																															
1		Kate / Pace		11/26/19 1405		[Signature]				Dry weight in MPLS																															
2		Waltco		12/13/19 0945		[Signature]		12/13/19 0945																																	
3																																									
Cooler Temperature on Receipt 0.5 °C				Custody Seal (Y) or N				Received on Ice (Y) or N				Samples Intact (Y) or N																													

SKW

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.

This chain of custody is considered complete as is since this information is available in the owner laboratory.

Sample Preservation Receipt Form

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

Client Name: PACE - MN

Project # 40200187

Page 39 of 40

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

Lab Lot# of pH paper:

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

Initial when completed:

Date/Time:

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

12/2/11

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

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



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-GB-C-031-Rev.07

Document Revised: 25Apr2018
 Issuing Authority:
 Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # _____

Client Name: PACE - MN

WO#: 40200157

Courier: CS Logistics Fed Ex Speedee UPS Walto
 Client Pace Other: _____



Tracking #: 2263187

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

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

Packing Material: Bubble Wrap Bubble Bags None Other zip lock

Thermometer Used SR-90 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0 /Corr: 0.5

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 12/3/19
 Initials: JW

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	4. <u>TRON</u> <u>12/3/19</u> <u>JW</u>
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9. <u>Client covered all tare weights</u>
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>12/3/19</u>
-Pace IR Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>JW</u>
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

Project Manager Review: Ck

Date: 12/3/19

December 13, 2019

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

RE: Project: J190928 Kitelinger Property
Pace Project No.: 10500999

Dear Rick VanAllen:

Enclosed are the analytical results for sample(s) received by the laboratory on November 27, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Oyeyemi Odujole
oyeyemi.odujole@pacelabs.com
(612)607-6402
Project Manager

Enclosures

cc: Joe Erjavec, Bay West LLC
Trey Harsch, Bay West LLC
Jeff Smith, Pace Analytical Services, Inc



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Pace Analytical Services Minneapolis

A2LA Certification #: 2926.01	Minnesota Dept of Ag Certification #: via MN 027-053-137
Alabama Certification #: 40770	Minnesota Petrofund Certification #: 1240
Alaska Contaminated Sites Certification #: 17-009	Mississippi Certification #: MN00064
Alaska DW Certification #: MN00064	Missouri Certification #: 10100
Arizona Certification #: AZ0014	Montana Certification #: CERT0092
Arkansas DW Certification #: MN00064	Nebraska Certification #: NE-OS-18-06
Arkansas WW Certification #: 88-0680	Nevada Certification #: MN00064
California Certification #: 2929	New Hampshire Certification #: 2081
CNMI Saipan Certification #: MP0003	New Jersey Certification #: MN002
Colorado Certification #: MN00064	New York Certification #: 11647
Connecticut Certification #: PH-0256	North Carolina DW Certification #: 27700
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137	North Carolina WW Certification #: 530
Florida Certification #: E87605	North Dakota Certification #: R-036
Georgia Certification #: 959	Ohio DW Certification #: 41244
Guam EPA Certification #: MN00064	Ohio VAP Certification #: CL101
Hawaii Certification #: MN00064	Oklahoma Certification #: 9507
Idaho Certification #: MN00064	Oregon Primary Certification #: MN300001
Illinois Certification #: 200011	Oregon Secondary Certification #: MN200001
Indiana Certification #: C-MN-01	Pennsylvania Certification #: 68-00563
Iowa Certification #: 368	Puerto Rico Certification #: MN00064
Kansas Certification #: E-10167	South Carolina Certification #:74003001
Kentucky DW Certification #: 90062	Tennessee Certification #: TN02818
Kentucky WW Certification #: 90062	Texas Certification #: T104704192
Louisiana DEQ Certification #: 03086	Utah Certification #: MN00064
Louisiana DW Certification #: MN00064	Vermont Certification #: VT-027053137
Maine Certification #: MN00064	Virginia Certification #: 460163
Maryland Certification #: 322	Washington Certification #: C486
Massachusetts Certification #: M-MN064	West Virginia DEP Certification #: 382
Massachusetts DWP Certification #: via MN 027-053-137	West Virginia DW Certification #: 9952 C
Michigan Certification #: 9909	Wisconsin Certification #: 999407970
Minnesota Certification #: 027-053-137	Wyoming UST Certification #: via A2LA 2926.01

Pace Analytical Services Green Bay

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10500999001	SB-1-GW	Water	11/26/19 09:20	11/27/19 12:15
10500999002	SB-2-GW	Water	11/26/19 09:40	11/27/19 12:15
10500999003	SB-3-GW	Water	11/26/19 10:00	11/27/19 12:15
10500999004	SB-4-GW	Water	11/26/19 10:55	11/27/19 12:15
10500999005	SB-5-GW	Water	11/26/19 11:35	11/27/19 12:15
10500999006	SB-6-GW	Water	11/26/19 12:15	11/27/19 12:15
10500999007	Dup-GW	Water	11/26/19 09:42	11/27/19 12:15
10500999008	TB	Water	11/26/19 00:00	11/27/19 12:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10500999001	SB-1-GW	EPA 6010	TXW	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	71	PASI-G
10500999002	SB-2-GW	EPA 6010	TXW	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	71	PASI-G
10500999003	SB-3-GW	EPA 6010	TXW	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	71	PASI-G
10500999004	SB-4-GW	EPA 6010	TXW	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	71	PASI-G
10500999005	SB-5-GW	EPA 6010	TXW	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	71	PASI-G
10500999006	SB-6-GW	EPA 8081	AMV	24	PASI-M
		EPA 6010	TXW	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	71	PASI-G
10500999007	Dup-GW	EPA 6010	TXW	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8260	HNW	71	PASI-G
10500999008	TB	EPA 8260	HNW	71	PASI-G

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Method: EPA 8081

Description: 8081A GCS Pesticides

Client: Bay West LLC

Date: December 13, 2019

General Information:

1 sample was analyzed for EPA 8081. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA Mod. 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Method: EPA 6010

Description: 6010 MET ICP

Client: Bay West LLC

Date: December 13, 2019

General Information:

7 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

QC Batch: 342619

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10500999001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 1989441)
 - Barium

Additional Comments:

Analyte Comments:

QC Batch: 342619

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- SB-1-GW (Lab ID: 10500999001)
 - Silver
 - Arsenic
 - Cadmium
 - Selenium
- SB-4-GW (Lab ID: 10500999004)
 - Selenium

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Method: EPA 7470

Description: 7470 Mercury

Client: Bay West LLC

Date: December 13, 2019

General Information:

7 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Method: EPA 8260

Description: 8260 MSV

Client: Bay West LLC

Date: December 13, 2019

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Sample: SB-1-GW **Lab ID: 10500999001** Collected: 11/26/19 09:20 Received: 11/27/19 12:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	106J	ug/L	125	41.7	5	12/05/19 13:45	12/09/19 10:52	7440-38-2	D3
Barium	1360	ug/L	25.0	7.5	5	12/05/19 13:45	12/09/19 10:52	7440-39-3	M0
Cadmium	<25.0	ug/L	25.0	6.6	5	12/05/19 13:45	12/09/19 10:52	7440-43-9	D3
Chromium	614	ug/L	50.0	12.7	5	12/05/19 13:45	12/09/19 10:52	7440-47-3	
Lead	164	ug/L	98.5	29.6	5	12/05/19 13:45	12/09/19 10:52	7439-92-1	
Selenium	<204	ug/L	204	61.2	5	12/05/19 13:45	12/09/19 10:52	7782-49-2	D3
Silver	<53.3	ug/L	53.3	16.0	5	12/05/19 13:45	12/09/19 10:52	7440-22-4	D3
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	0.86	ug/L	0.28	0.084	1	12/09/19 10:30	12/10/19 07:45	7439-97-6	
8260 MSV		Analytical Method: EPA 8260							
Acetone	<20.0	ug/L	20.0	2.7	1		12/04/19 23:38	67-64-1	
Allyl chloride	<5.0	ug/L	5.0	0.60	1		12/04/19 23:38	107-05-1	
Benzene	<1.0	ug/L	1.0	0.25	1		12/04/19 23:38	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.24	1		12/04/19 23:38	108-86-1	
Bromochloromethane	<5.0	ug/L	5.0	0.36	1		12/04/19 23:38	74-97-5	
Bromodichloromethane	<1.2	ug/L	1.2	0.36	1		12/04/19 23:38	75-27-4	
Bromoform	<13.2	ug/L	13.2	4.0	1		12/04/19 23:38	75-25-2	
Bromomethane	<5.0	ug/L	5.0	0.97	1		12/04/19 23:38	74-83-9	
2-Butanone (MEK)	<20.0	ug/L	20.0	2.9	1		12/04/19 23:38	78-93-3	
n-Butylbenzene	<2.4	ug/L	2.4	0.71	1		12/04/19 23:38	104-51-8	
sec-Butylbenzene	<5.0	ug/L	5.0	0.85	1		12/04/19 23:38	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	0.30	1		12/04/19 23:38	98-06-6	
Carbon tetrachloride	<1.0	ug/L	1.0	0.17	1		12/04/19 23:38	56-23-5	
Chlorobenzene	<2.4	ug/L	2.4	0.71	1		12/04/19 23:38	108-90-7	
Chloroethane	<5.0	ug/L	5.0	1.3	1		12/04/19 23:38	75-00-3	
Chloroform	<5.0	ug/L	5.0	1.3	1		12/04/19 23:38	67-66-3	
Chloromethane	<7.3	ug/L	7.3	2.2	1		12/04/19 23:38	74-87-3	
2-Chlorotoluene	<5.0	ug/L	5.0	0.93	1		12/04/19 23:38	95-49-8	
4-Chlorotoluene	<2.5	ug/L	2.5	0.76	1		12/04/19 23:38	106-43-4	
1,2-Dibromo-3-chloropropane	<5.9	ug/L	5.9	1.8	1		12/04/19 23:38	96-12-8	
Dibromochloromethane	<8.7	ug/L	8.7	2.6	1		12/04/19 23:38	124-48-1	
1,2-Dibromoethane (EDB)	<2.8	ug/L	2.8	0.83	1		12/04/19 23:38	106-93-4	
Dibromomethane	<3.1	ug/L	3.1	0.94	1		12/04/19 23:38	74-95-3	
1,2-Dichlorobenzene	<2.4	ug/L	2.4	0.71	1		12/04/19 23:38	95-50-1	
1,3-Dichlorobenzene	<2.1	ug/L	2.1	0.63	1		12/04/19 23:38	541-73-1	
1,4-Dichlorobenzene	<3.1	ug/L	3.1	0.94	1		12/04/19 23:38	106-46-7	
Dichlorodifluoromethane	<5.0	ug/L	5.0	0.50	1		12/04/19 23:38	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.27	1		12/04/19 23:38	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.28	1		12/04/19 23:38	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.24	1		12/04/19 23:38	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.27	1		12/04/19 23:38	156-59-2	
trans-1,2-Dichloroethene	<3.6	ug/L	3.6	1.1	1		12/04/19 23:38	156-60-5	
Dichlorofluoromethane	<5.0	ug/L	5.0	1.4	1		12/04/19 23:38	75-43-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.28	1		12/04/19 23:38	78-87-5	

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Sample: SB-1-GW **Lab ID: 10500999001** Collected: 11/26/19 09:20 Received: 11/27/19 12:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,3-Dichloropropane	<2.8	ug/L	2.8	0.83	1		12/04/19 23:38	142-28-9	
2,2-Dichloropropane	<7.6	ug/L	7.6	2.3	1		12/04/19 23:38	594-20-7	
1,1-Dichloropropene	<1.8	ug/L	1.8	0.54	1		12/04/19 23:38	563-58-6	
cis-1,3-Dichloropropene	<12.1	ug/L	12.1	3.6	1		12/04/19 23:38	10061-01-5	
trans-1,3-Dichloropropene	<14.6	ug/L	14.6	4.4	1		12/04/19 23:38	10061-02-6	
Diethyl ether (Ethyl ether)	<5.1	ug/L	5.1	1.5	1		12/04/19 23:38	60-29-7	
Ethylbenzene	<1.0	ug/L	1.0	0.22	1		12/04/19 23:38	100-41-4	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1.2	1		12/04/19 23:38	87-68-3	
Isopropylbenzene (Cumene)	<5.0	ug/L	5.0	0.39	1		12/04/19 23:38	98-82-8	
p-Isopropyltoluene	<2.7	ug/L	2.7	0.80	1		12/04/19 23:38	99-87-6	
Methylene Chloride	<5.0	ug/L	5.0	0.58	1		12/04/19 23:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.1	ug/L	5.1	1.5	1		12/04/19 23:38	108-10-1	
Methyl-tert-butyl ether	<4.2	ug/L	4.2	1.2	1		12/04/19 23:38	1634-04-4	
Naphthalene	<5.0	ug/L	5.0	1.2	1		12/04/19 23:38	91-20-3	
n-Propylbenzene	<5.0	ug/L	5.0	0.81	1		12/04/19 23:38	103-65-1	
Styrene	<1.6	ug/L	1.6	0.47	1		12/04/19 23:38	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.27	1		12/04/19 23:38	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.28	1		12/04/19 23:38	79-34-5	
Tetrachloroethene	<1.1	ug/L	1.1	0.33	1		12/04/19 23:38	127-18-4	
Tetrahydrofuran	<20.0	ug/L	20.0	2.3	1		12/04/19 23:38	109-99-9	
Toluene	<5.0	ug/L	5.0	0.17	1		12/04/19 23:38	108-88-3	
1,2,3-Trichlorobenzene	<5.0	ug/L	5.0	0.63	1		12/04/19 23:38	87-61-6	
1,2,4-Trichlorobenzene	<5.0	ug/L	5.0	0.95	1		12/04/19 23:38	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.24	1		12/04/19 23:38	71-55-6	
1,1,2-Trichloroethane	<5.0	ug/L	5.0	0.55	1		12/04/19 23:38	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	0.26	1		12/04/19 23:38	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.21	1		12/04/19 23:38	75-69-4	
1,2,3-Trichloropropane	<5.0	ug/L	5.0	0.59	1		12/04/19 23:38	96-18-4	
1,1,2-Trichlorotrifluoroethane	<5.0	ug/L	5.0	0.54	1		12/04/19 23:38	76-13-1	
1,2,4-Trimethylbenzene	<2.8	ug/L	2.8	0.84	1		12/04/19 23:38	95-63-6	
1,3,5-Trimethylbenzene	<2.9	ug/L	2.9	0.87	1		12/04/19 23:38	108-67-8	
Vinyl chloride	<1.0	ug/L	1.0	0.17	1		12/04/19 23:38	75-01-4	
m&p-Xylene	<2.0	ug/L	2.0	0.47	1		12/04/19 23:38	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.26	1		12/04/19 23:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/04/19 23:38	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		12/04/19 23:38	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/04/19 23:38	2037-26-5	

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Sample: SB-2-GW **Lab ID: 10500999002** Collected: 11/26/19 09:40 Received: 11/27/19 12:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	10.7J	ug/L	25.0	8.3	1	12/05/19 13:45	12/06/19 12:12	7440-38-2	
Barium	265	ug/L	5.0	1.5	1	12/05/19 13:45	12/06/19 12:12	7440-39-3	
Cadmium	<5.0	ug/L	5.0	1.3	1	12/05/19 13:45	12/06/19 12:12	7440-43-9	
Chromium	80.7	ug/L	10.0	2.5	1	12/05/19 13:45	12/06/19 12:12	7440-47-3	
Lead	25.9	ug/L	19.7	5.9	1	12/05/19 13:45	12/06/19 12:12	7439-92-1	
Selenium	<40.8	ug/L	40.8	12.2	1	12/05/19 13:45	12/06/19 12:12	7782-49-2	
Silver	<10.7	ug/L	10.7	3.2	1	12/05/19 13:45	12/06/19 12:12	7440-22-4	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	<0.28	ug/L	0.28	0.084	1	12/09/19 10:30	12/10/19 07:47	7439-97-6	
8260 MSV		Analytical Method: EPA 8260							
Acetone	<20.0	ug/L	20.0	2.7	1		12/05/19 00:00	67-64-1	
Allyl chloride	<5.0	ug/L	5.0	0.60	1		12/05/19 00:00	107-05-1	
Benzene	<1.0	ug/L	1.0	0.25	1		12/05/19 00:00	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.24	1		12/05/19 00:00	108-86-1	
Bromochloromethane	<5.0	ug/L	5.0	0.36	1		12/05/19 00:00	74-97-5	
Bromodichloromethane	<1.2	ug/L	1.2	0.36	1		12/05/19 00:00	75-27-4	
Bromoform	<13.2	ug/L	13.2	4.0	1		12/05/19 00:00	75-25-2	
Bromomethane	<5.0	ug/L	5.0	0.97	1		12/05/19 00:00	74-83-9	
2-Butanone (MEK)	<20.0	ug/L	20.0	2.9	1		12/05/19 00:00	78-93-3	
n-Butylbenzene	<2.4	ug/L	2.4	0.71	1		12/05/19 00:00	104-51-8	
sec-Butylbenzene	<5.0	ug/L	5.0	0.85	1		12/05/19 00:00	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	0.30	1		12/05/19 00:00	98-06-6	
Carbon tetrachloride	<1.0	ug/L	1.0	0.17	1		12/05/19 00:00	56-23-5	
Chlorobenzene	<2.4	ug/L	2.4	0.71	1		12/05/19 00:00	108-90-7	
Chloroethane	<5.0	ug/L	5.0	1.3	1		12/05/19 00:00	75-00-3	
Chloroform	<5.0	ug/L	5.0	1.3	1		12/05/19 00:00	67-66-3	
Chloromethane	<7.3	ug/L	7.3	2.2	1		12/05/19 00:00	74-87-3	
2-Chlorotoluene	<5.0	ug/L	5.0	0.93	1		12/05/19 00:00	95-49-8	
4-Chlorotoluene	<2.5	ug/L	2.5	0.76	1		12/05/19 00:00	106-43-4	
1,2-Dibromo-3-chloropropane	<5.9	ug/L	5.9	1.8	1		12/05/19 00:00	96-12-8	
Dibromochloromethane	<8.7	ug/L	8.7	2.6	1		12/05/19 00:00	124-48-1	
1,2-Dibromoethane (EDB)	<2.8	ug/L	2.8	0.83	1		12/05/19 00:00	106-93-4	
Dibromomethane	<3.1	ug/L	3.1	0.94	1		12/05/19 00:00	74-95-3	
1,2-Dichlorobenzene	<2.4	ug/L	2.4	0.71	1		12/05/19 00:00	95-50-1	
1,3-Dichlorobenzene	<2.1	ug/L	2.1	0.63	1		12/05/19 00:00	541-73-1	
1,4-Dichlorobenzene	<3.1	ug/L	3.1	0.94	1		12/05/19 00:00	106-46-7	
Dichlorodifluoromethane	<5.0	ug/L	5.0	0.50	1		12/05/19 00:00	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.27	1		12/05/19 00:00	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.28	1		12/05/19 00:00	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.24	1		12/05/19 00:00	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.27	1		12/05/19 00:00	156-59-2	
trans-1,2-Dichloroethene	<3.6	ug/L	3.6	1.1	1		12/05/19 00:00	156-60-5	
Dichlorofluoromethane	<5.0	ug/L	5.0	1.4	1		12/05/19 00:00	75-43-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.28	1		12/05/19 00:00	78-87-5	

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Sample: SB-2-GW **Lab ID: 10500999002** Collected: 11/26/19 09:40 Received: 11/27/19 12:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,3-Dichloropropane	<2.8	ug/L	2.8	0.83	1		12/05/19 00:00	142-28-9	
2,2-Dichloropropane	<7.6	ug/L	7.6	2.3	1		12/05/19 00:00	594-20-7	
1,1-Dichloropropene	<1.8	ug/L	1.8	0.54	1		12/05/19 00:00	563-58-6	
cis-1,3-Dichloropropene	<12.1	ug/L	12.1	3.6	1		12/05/19 00:00	10061-01-5	
trans-1,3-Dichloropropene	<14.6	ug/L	14.6	4.4	1		12/05/19 00:00	10061-02-6	
Diethyl ether (Ethyl ether)	<5.1	ug/L	5.1	1.5	1		12/05/19 00:00	60-29-7	
Ethylbenzene	<1.0	ug/L	1.0	0.22	1		12/05/19 00:00	100-41-4	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1.2	1		12/05/19 00:00	87-68-3	
Isopropylbenzene (Cumene)	<5.0	ug/L	5.0	0.39	1		12/05/19 00:00	98-82-8	
p-Isopropyltoluene	<2.7	ug/L	2.7	0.80	1		12/05/19 00:00	99-87-6	
Methylene Chloride	<5.0	ug/L	5.0	0.58	1		12/05/19 00:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.1	ug/L	5.1	1.5	1		12/05/19 00:00	108-10-1	
Methyl-tert-butyl ether	<4.2	ug/L	4.2	1.2	1		12/05/19 00:00	1634-04-4	
Naphthalene	<5.0	ug/L	5.0	1.2	1		12/05/19 00:00	91-20-3	
n-Propylbenzene	<5.0	ug/L	5.0	0.81	1		12/05/19 00:00	103-65-1	
Styrene	<1.6	ug/L	1.6	0.47	1		12/05/19 00:00	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.27	1		12/05/19 00:00	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.28	1		12/05/19 00:00	79-34-5	
Tetrachloroethene	<1.1	ug/L	1.1	0.33	1		12/05/19 00:00	127-18-4	
Tetrahydrofuran	<20.0	ug/L	20.0	2.3	1		12/05/19 00:00	109-99-9	
Toluene	<5.0	ug/L	5.0	0.17	1		12/05/19 00:00	108-88-3	
1,2,3-Trichlorobenzene	<5.0	ug/L	5.0	0.63	1		12/05/19 00:00	87-61-6	
1,2,4-Trichlorobenzene	<5.0	ug/L	5.0	0.95	1		12/05/19 00:00	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.24	1		12/05/19 00:00	71-55-6	
1,1,2-Trichloroethane	<5.0	ug/L	5.0	0.55	1		12/05/19 00:00	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	0.26	1		12/05/19 00:00	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.21	1		12/05/19 00:00	75-69-4	
1,2,3-Trichloropropane	<5.0	ug/L	5.0	0.59	1		12/05/19 00:00	96-18-4	
1,1,2-Trichlorotrifluoroethane	<5.0	ug/L	5.0	0.54	1		12/05/19 00:00	76-13-1	
1,2,4-Trimethylbenzene	<2.8	ug/L	2.8	0.84	1		12/05/19 00:00	95-63-6	
1,3,5-Trimethylbenzene	<2.9	ug/L	2.9	0.87	1		12/05/19 00:00	108-67-8	
Vinyl chloride	<1.0	ug/L	1.0	0.17	1		12/05/19 00:00	75-01-4	
m&p-Xylene	<2.0	ug/L	2.0	0.47	1		12/05/19 00:00	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.26	1		12/05/19 00:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/05/19 00:00	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		12/05/19 00:00	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		12/05/19 00:00	2037-26-5	

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Sample: SB-3-GW **Lab ID: 10500999003** Collected: 11/26/19 10:00 Received: 11/27/19 12:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	40.0	ug/L	25.0	8.3	1	12/05/19 13:45	12/06/19 12:15	7440-38-2	
Barium	671	ug/L	5.0	1.5	1	12/05/19 13:45	12/06/19 12:15	7440-39-3	
Cadmium	2.1J	ug/L	5.0	1.3	1	12/05/19 13:45	12/06/19 12:15	7440-43-9	
Chromium	286	ug/L	10.0	2.5	1	12/05/19 13:45	12/06/19 12:15	7440-47-3	
Lead	66.4	ug/L	19.7	5.9	1	12/05/19 13:45	12/06/19 12:15	7439-92-1	
Selenium	<40.8	ug/L	40.8	12.2	1	12/05/19 13:45	12/06/19 12:15	7782-49-2	
Silver	<10.7	ug/L	10.7	3.2	1	12/05/19 13:45	12/06/19 12:15	7440-22-4	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	0.33	ug/L	0.28	0.084	1	12/09/19 10:30	12/10/19 07:49	7439-97-6	
8260 MSV		Analytical Method: EPA 8260							
Acetone	<20.0	ug/L	20.0	2.7	1		12/05/19 00:21	67-64-1	
Allyl chloride	<5.0	ug/L	5.0	0.60	1		12/05/19 00:21	107-05-1	
Benzene	<1.0	ug/L	1.0	0.25	1		12/05/19 00:21	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.24	1		12/05/19 00:21	108-86-1	
Bromochloromethane	<5.0	ug/L	5.0	0.36	1		12/05/19 00:21	74-97-5	
Bromodichloromethane	<1.2	ug/L	1.2	0.36	1		12/05/19 00:21	75-27-4	
Bromoform	<13.2	ug/L	13.2	4.0	1		12/05/19 00:21	75-25-2	
Bromomethane	<5.0	ug/L	5.0	0.97	1		12/05/19 00:21	74-83-9	
2-Butanone (MEK)	<20.0	ug/L	20.0	2.9	1		12/05/19 00:21	78-93-3	
n-Butylbenzene	<2.4	ug/L	2.4	0.71	1		12/05/19 00:21	104-51-8	
sec-Butylbenzene	<5.0	ug/L	5.0	0.85	1		12/05/19 00:21	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	0.30	1		12/05/19 00:21	98-06-6	
Carbon tetrachloride	<1.0	ug/L	1.0	0.17	1		12/05/19 00:21	56-23-5	
Chlorobenzene	<2.4	ug/L	2.4	0.71	1		12/05/19 00:21	108-90-7	
Chloroethane	<5.0	ug/L	5.0	1.3	1		12/05/19 00:21	75-00-3	
Chloroform	<5.0	ug/L	5.0	1.3	1		12/05/19 00:21	67-66-3	
Chloromethane	<7.3	ug/L	7.3	2.2	1		12/05/19 00:21	74-87-3	
2-Chlorotoluene	<5.0	ug/L	5.0	0.93	1		12/05/19 00:21	95-49-8	
4-Chlorotoluene	<2.5	ug/L	2.5	0.76	1		12/05/19 00:21	106-43-4	
1,2-Dibromo-3-chloropropane	<5.9	ug/L	5.9	1.8	1		12/05/19 00:21	96-12-8	
Dibromochloromethane	<8.7	ug/L	8.7	2.6	1		12/05/19 00:21	124-48-1	
1,2-Dibromoethane (EDB)	<2.8	ug/L	2.8	0.83	1		12/05/19 00:21	106-93-4	
Dibromomethane	<3.1	ug/L	3.1	0.94	1		12/05/19 00:21	74-95-3	
1,2-Dichlorobenzene	<2.4	ug/L	2.4	0.71	1		12/05/19 00:21	95-50-1	
1,3-Dichlorobenzene	<2.1	ug/L	2.1	0.63	1		12/05/19 00:21	541-73-1	
1,4-Dichlorobenzene	<3.1	ug/L	3.1	0.94	1		12/05/19 00:21	106-46-7	
Dichlorodifluoromethane	<5.0	ug/L	5.0	0.50	1		12/05/19 00:21	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.27	1		12/05/19 00:21	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.28	1		12/05/19 00:21	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.24	1		12/05/19 00:21	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.27	1		12/05/19 00:21	156-59-2	
trans-1,2-Dichloroethene	<3.6	ug/L	3.6	1.1	1		12/05/19 00:21	156-60-5	
Dichlorofluoromethane	<5.0	ug/L	5.0	1.4	1		12/05/19 00:21	75-43-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.28	1		12/05/19 00:21	78-87-5	

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Sample: SB-3-GW **Lab ID: 10500999003** Collected: 11/26/19 10:00 Received: 11/27/19 12:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,3-Dichloropropane	<2.8	ug/L	2.8	0.83	1		12/05/19 00:21	142-28-9	
2,2-Dichloropropane	<7.6	ug/L	7.6	2.3	1		12/05/19 00:21	594-20-7	
1,1-Dichloropropene	<1.8	ug/L	1.8	0.54	1		12/05/19 00:21	563-58-6	
cis-1,3-Dichloropropene	<12.1	ug/L	12.1	3.6	1		12/05/19 00:21	10061-01-5	
trans-1,3-Dichloropropene	<14.6	ug/L	14.6	4.4	1		12/05/19 00:21	10061-02-6	
Diethyl ether (Ethyl ether)	<5.1	ug/L	5.1	1.5	1		12/05/19 00:21	60-29-7	
Ethylbenzene	<1.0	ug/L	1.0	0.22	1		12/05/19 00:21	100-41-4	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1.2	1		12/05/19 00:21	87-68-3	
Isopropylbenzene (Cumene)	<5.0	ug/L	5.0	0.39	1		12/05/19 00:21	98-82-8	
p-Isopropyltoluene	<2.7	ug/L	2.7	0.80	1		12/05/19 00:21	99-87-6	
Methylene Chloride	<5.0	ug/L	5.0	0.58	1		12/05/19 00:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.1	ug/L	5.1	1.5	1		12/05/19 00:21	108-10-1	
Methyl-tert-butyl ether	<4.2	ug/L	4.2	1.2	1		12/05/19 00:21	1634-04-4	
Naphthalene	<5.0	ug/L	5.0	1.2	1		12/05/19 00:21	91-20-3	
n-Propylbenzene	<5.0	ug/L	5.0	0.81	1		12/05/19 00:21	103-65-1	
Styrene	<1.6	ug/L	1.6	0.47	1		12/05/19 00:21	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.27	1		12/05/19 00:21	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.28	1		12/05/19 00:21	79-34-5	
Tetrachloroethene	<1.1	ug/L	1.1	0.33	1		12/05/19 00:21	127-18-4	
Tetrahydrofuran	<20.0	ug/L	20.0	2.3	1		12/05/19 00:21	109-99-9	
Toluene	<5.0	ug/L	5.0	0.17	1		12/05/19 00:21	108-88-3	
1,2,3-Trichlorobenzene	<5.0	ug/L	5.0	0.63	1		12/05/19 00:21	87-61-6	
1,2,4-Trichlorobenzene	<5.0	ug/L	5.0	0.95	1		12/05/19 00:21	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.24	1		12/05/19 00:21	71-55-6	
1,1,2-Trichloroethane	<5.0	ug/L	5.0	0.55	1		12/05/19 00:21	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	0.26	1		12/05/19 00:21	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.21	1		12/05/19 00:21	75-69-4	
1,2,3-Trichloropropane	<5.0	ug/L	5.0	0.59	1		12/05/19 00:21	96-18-4	
1,1,2-Trichlorotrifluoroethane	<5.0	ug/L	5.0	0.54	1		12/05/19 00:21	76-13-1	
1,2,4-Trimethylbenzene	<2.8	ug/L	2.8	0.84	1		12/05/19 00:21	95-63-6	
1,3,5-Trimethylbenzene	<2.9	ug/L	2.9	0.87	1		12/05/19 00:21	108-67-8	
Vinyl chloride	<1.0	ug/L	1.0	0.17	1		12/05/19 00:21	75-01-4	
m&p-Xylene	<2.0	ug/L	2.0	0.47	1		12/05/19 00:21	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.26	1		12/05/19 00:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/05/19 00:21	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		12/05/19 00:21	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/05/19 00:21	2037-26-5	

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Sample: SB-4-GW **Lab ID: 10500999004** Collected: 11/26/19 10:55 Received: 11/27/19 12:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	88.1	ug/L	50.0	16.7	2	12/05/19 13:45	12/09/19 10:59	7440-38-2	
Barium	1640	ug/L	5.0	1.5	1	12/05/19 13:45	12/06/19 12:17	7440-39-3	
Cadmium	2.0J	ug/L	5.0	1.3	1	12/05/19 13:45	12/06/19 12:17	7440-43-9	
Chromium	734	ug/L	20.0	5.1	2	12/05/19 13:45	12/09/19 10:59	7440-47-3	
Lead	188	ug/L	39.4	11.8	2	12/05/19 13:45	12/09/19 10:59	7439-92-1	
Selenium	<81.6	ug/L	81.6	24.5	2	12/05/19 13:45	12/09/19 10:59	7782-49-2	D3
Silver	<10.7	ug/L	10.7	3.2	1	12/05/19 13:45	12/06/19 12:17	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.79	ug/L	0.28	0.084	1	12/09/19 10:30	12/10/19 07:52	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	<20.0	ug/L	20.0	2.7	1		12/05/19 00:43	67-64-1	
Allyl chloride	<5.0	ug/L	5.0	0.60	1		12/05/19 00:43	107-05-1	
Benzene	<1.0	ug/L	1.0	0.25	1		12/05/19 00:43	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.24	1		12/05/19 00:43	108-86-1	
Bromochloromethane	<5.0	ug/L	5.0	0.36	1		12/05/19 00:43	74-97-5	
Bromodichloromethane	<1.2	ug/L	1.2	0.36	1		12/05/19 00:43	75-27-4	
Bromoform	<13.2	ug/L	13.2	4.0	1		12/05/19 00:43	75-25-2	
Bromomethane	<5.0	ug/L	5.0	0.97	1		12/05/19 00:43	74-83-9	
2-Butanone (MEK)	<20.0	ug/L	20.0	2.9	1		12/05/19 00:43	78-93-3	
n-Butylbenzene	<2.4	ug/L	2.4	0.71	1		12/05/19 00:43	104-51-8	
sec-Butylbenzene	<5.0	ug/L	5.0	0.85	1		12/05/19 00:43	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	0.30	1		12/05/19 00:43	98-06-6	
Carbon tetrachloride	<1.0	ug/L	1.0	0.17	1		12/05/19 00:43	56-23-5	
Chlorobenzene	<2.4	ug/L	2.4	0.71	1		12/05/19 00:43	108-90-7	
Chloroethane	<5.0	ug/L	5.0	1.3	1		12/05/19 00:43	75-00-3	
Chloroform	<5.0	ug/L	5.0	1.3	1		12/05/19 00:43	67-66-3	
Chloromethane	<7.3	ug/L	7.3	2.2	1		12/05/19 00:43	74-87-3	
2-Chlorotoluene	<5.0	ug/L	5.0	0.93	1		12/05/19 00:43	95-49-8	
4-Chlorotoluene	<2.5	ug/L	2.5	0.76	1		12/05/19 00:43	106-43-4	
1,2-Dibromo-3-chloropropane	<5.9	ug/L	5.9	1.8	1		12/05/19 00:43	96-12-8	
Dibromochloromethane	<8.7	ug/L	8.7	2.6	1		12/05/19 00:43	124-48-1	
1,2-Dibromoethane (EDB)	<2.8	ug/L	2.8	0.83	1		12/05/19 00:43	106-93-4	
Dibromomethane	<3.1	ug/L	3.1	0.94	1		12/05/19 00:43	74-95-3	
1,2-Dichlorobenzene	<2.4	ug/L	2.4	0.71	1		12/05/19 00:43	95-50-1	
1,3-Dichlorobenzene	<2.1	ug/L	2.1	0.63	1		12/05/19 00:43	541-73-1	
1,4-Dichlorobenzene	<3.1	ug/L	3.1	0.94	1		12/05/19 00:43	106-46-7	
Dichlorodifluoromethane	<5.0	ug/L	5.0	0.50	1		12/05/19 00:43	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.27	1		12/05/19 00:43	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.28	1		12/05/19 00:43	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.24	1		12/05/19 00:43	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.27	1		12/05/19 00:43	156-59-2	
trans-1,2-Dichloroethene	<3.6	ug/L	3.6	1.1	1		12/05/19 00:43	156-60-5	
Dichlorofluoromethane	<5.0	ug/L	5.0	1.4	1		12/05/19 00:43	75-43-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.28	1		12/05/19 00:43	78-87-5	

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Sample: SB-4-GW **Lab ID: 10500999004** Collected: 11/26/19 10:55 Received: 11/27/19 12:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,3-Dichloropropane	<2.8	ug/L	2.8	0.83	1		12/05/19 00:43	142-28-9	
2,2-Dichloropropane	<7.6	ug/L	7.6	2.3	1		12/05/19 00:43	594-20-7	
1,1-Dichloropropene	<1.8	ug/L	1.8	0.54	1		12/05/19 00:43	563-58-6	
cis-1,3-Dichloropropene	<12.1	ug/L	12.1	3.6	1		12/05/19 00:43	10061-01-5	
trans-1,3-Dichloropropene	<14.6	ug/L	14.6	4.4	1		12/05/19 00:43	10061-02-6	
Diethyl ether (Ethyl ether)	<5.1	ug/L	5.1	1.5	1		12/05/19 00:43	60-29-7	
Ethylbenzene	<1.0	ug/L	1.0	0.22	1		12/05/19 00:43	100-41-4	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1.2	1		12/05/19 00:43	87-68-3	
Isopropylbenzene (Cumene)	<5.0	ug/L	5.0	0.39	1		12/05/19 00:43	98-82-8	
p-Isopropyltoluene	<2.7	ug/L	2.7	0.80	1		12/05/19 00:43	99-87-6	
Methylene Chloride	<5.0	ug/L	5.0	0.58	1		12/05/19 00:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.1	ug/L	5.1	1.5	1		12/05/19 00:43	108-10-1	
Methyl-tert-butyl ether	<4.2	ug/L	4.2	1.2	1		12/05/19 00:43	1634-04-4	
Naphthalene	<5.0	ug/L	5.0	1.2	1		12/05/19 00:43	91-20-3	
n-Propylbenzene	<5.0	ug/L	5.0	0.81	1		12/05/19 00:43	103-65-1	
Styrene	<1.6	ug/L	1.6	0.47	1		12/05/19 00:43	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.27	1		12/05/19 00:43	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.28	1		12/05/19 00:43	79-34-5	
Tetrachloroethene	<1.1	ug/L	1.1	0.33	1		12/05/19 00:43	127-18-4	
Tetrahydrofuran	<20.0	ug/L	20.0	2.3	1		12/05/19 00:43	109-99-9	
Toluene	<5.0	ug/L	5.0	0.17	1		12/05/19 00:43	108-88-3	
1,2,3-Trichlorobenzene	<5.0	ug/L	5.0	0.63	1		12/05/19 00:43	87-61-6	
1,2,4-Trichlorobenzene	<5.0	ug/L	5.0	0.95	1		12/05/19 00:43	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.24	1		12/05/19 00:43	71-55-6	
1,1,2-Trichloroethane	<5.0	ug/L	5.0	0.55	1		12/05/19 00:43	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	0.26	1		12/05/19 00:43	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.21	1		12/05/19 00:43	75-69-4	
1,2,3-Trichloropropane	<5.0	ug/L	5.0	0.59	1		12/05/19 00:43	96-18-4	
1,1,2-Trichlorotrifluoroethane	<5.0	ug/L	5.0	0.54	1		12/05/19 00:43	76-13-1	
1,2,4-Trimethylbenzene	<2.8	ug/L	2.8	0.84	1		12/05/19 00:43	95-63-6	
1,3,5-Trimethylbenzene	<2.9	ug/L	2.9	0.87	1		12/05/19 00:43	108-67-8	
Vinyl chloride	<1.0	ug/L	1.0	0.17	1		12/05/19 00:43	75-01-4	
m&p-Xylene	<2.0	ug/L	2.0	0.47	1		12/05/19 00:43	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.26	1		12/05/19 00:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/05/19 00:43	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		12/05/19 00:43	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		12/05/19 00:43	2037-26-5	

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Sample: SB-5-GW **Lab ID: 10500999005** Collected: 11/26/19 11:35 Received: 11/27/19 12:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	21.9J	ug/L	25.0	8.3	1	12/05/19 13:45	12/06/19 12:19	7440-38-2	
Barium	351	ug/L	5.0	1.5	1	12/05/19 13:45	12/06/19 12:19	7440-39-3	
Cadmium	<5.0	ug/L	5.0	1.3	1	12/05/19 13:45	12/06/19 12:19	7440-43-9	
Chromium	125	ug/L	10.0	2.5	1	12/05/19 13:45	12/06/19 12:19	7440-47-3	
Lead	121	ug/L	19.7	5.9	1	12/05/19 13:45	12/06/19 12:19	7439-92-1	
Selenium	<40.8	ug/L	40.8	12.2	1	12/05/19 13:45	12/06/19 12:19	7782-49-2	
Silver	<10.7	ug/L	10.7	3.2	1	12/05/19 13:45	12/06/19 12:19	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.13J	ug/L	0.28	0.084	1	12/09/19 10:30	12/10/19 07:54	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	<20.0	ug/L	20.0	2.7	1		12/05/19 01:04	67-64-1	
Allyl chloride	<5.0	ug/L	5.0	0.60	1		12/05/19 01:04	107-05-1	
Benzene	<1.0	ug/L	1.0	0.25	1		12/05/19 01:04	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.24	1		12/05/19 01:04	108-86-1	
Bromochloromethane	<5.0	ug/L	5.0	0.36	1		12/05/19 01:04	74-97-5	
Bromodichloromethane	<1.2	ug/L	1.2	0.36	1		12/05/19 01:04	75-27-4	
Bromoform	<13.2	ug/L	13.2	4.0	1		12/05/19 01:04	75-25-2	
Bromomethane	<5.0	ug/L	5.0	0.97	1		12/05/19 01:04	74-83-9	
2-Butanone (MEK)	<20.0	ug/L	20.0	2.9	1		12/05/19 01:04	78-93-3	
n-Butylbenzene	<2.4	ug/L	2.4	0.71	1		12/05/19 01:04	104-51-8	
sec-Butylbenzene	<5.0	ug/L	5.0	0.85	1		12/05/19 01:04	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	0.30	1		12/05/19 01:04	98-06-6	
Carbon tetrachloride	<1.0	ug/L	1.0	0.17	1		12/05/19 01:04	56-23-5	
Chlorobenzene	<2.4	ug/L	2.4	0.71	1		12/05/19 01:04	108-90-7	
Chloroethane	<5.0	ug/L	5.0	1.3	1		12/05/19 01:04	75-00-3	
Chloroform	<5.0	ug/L	5.0	1.3	1		12/05/19 01:04	67-66-3	
Chloromethane	<7.3	ug/L	7.3	2.2	1		12/05/19 01:04	74-87-3	
2-Chlorotoluene	<5.0	ug/L	5.0	0.93	1		12/05/19 01:04	95-49-8	
4-Chlorotoluene	<2.5	ug/L	2.5	0.76	1		12/05/19 01:04	106-43-4	
1,2-Dibromo-3-chloropropane	<5.9	ug/L	5.9	1.8	1		12/05/19 01:04	96-12-8	
Dibromochloromethane	<8.7	ug/L	8.7	2.6	1		12/05/19 01:04	124-48-1	
1,2-Dibromoethane (EDB)	<2.8	ug/L	2.8	0.83	1		12/05/19 01:04	106-93-4	
Dibromomethane	<3.1	ug/L	3.1	0.94	1		12/05/19 01:04	74-95-3	
1,2-Dichlorobenzene	<2.4	ug/L	2.4	0.71	1		12/05/19 01:04	95-50-1	
1,3-Dichlorobenzene	<2.1	ug/L	2.1	0.63	1		12/05/19 01:04	541-73-1	
1,4-Dichlorobenzene	<3.1	ug/L	3.1	0.94	1		12/05/19 01:04	106-46-7	
Dichlorodifluoromethane	<5.0	ug/L	5.0	0.50	1		12/05/19 01:04	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.27	1		12/05/19 01:04	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.28	1		12/05/19 01:04	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.24	1		12/05/19 01:04	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.27	1		12/05/19 01:04	156-59-2	
trans-1,2-Dichloroethene	<3.6	ug/L	3.6	1.1	1		12/05/19 01:04	156-60-5	
Dichlorofluoromethane	<5.0	ug/L	5.0	1.4	1		12/05/19 01:04	75-43-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.28	1		12/05/19 01:04	78-87-5	

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Sample: SB-5-GW **Lab ID: 10500999005** Collected: 11/26/19 11:35 Received: 11/27/19 12:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,3-Dichloropropane	<2.8	ug/L	2.8	0.83	1		12/05/19 01:04	142-28-9	
2,2-Dichloropropane	<7.6	ug/L	7.6	2.3	1		12/05/19 01:04	594-20-7	
1,1-Dichloropropene	<1.8	ug/L	1.8	0.54	1		12/05/19 01:04	563-58-6	
cis-1,3-Dichloropropene	<12.1	ug/L	12.1	3.6	1		12/05/19 01:04	10061-01-5	
trans-1,3-Dichloropropene	<14.6	ug/L	14.6	4.4	1		12/05/19 01:04	10061-02-6	
Diethyl ether (Ethyl ether)	<5.1	ug/L	5.1	1.5	1		12/05/19 01:04	60-29-7	
Ethylbenzene	3.4	ug/L	1.0	0.22	1		12/05/19 01:04	100-41-4	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1.2	1		12/05/19 01:04	87-68-3	
Isopropylbenzene (Cumene)	<5.0	ug/L	5.0	0.39	1		12/05/19 01:04	98-82-8	
p-Isopropyltoluene	<2.7	ug/L	2.7	0.80	1		12/05/19 01:04	99-87-6	
Methylene Chloride	<5.0	ug/L	5.0	0.58	1		12/05/19 01:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.1	ug/L	5.1	1.5	1		12/05/19 01:04	108-10-1	
Methyl-tert-butyl ether	<4.2	ug/L	4.2	1.2	1		12/05/19 01:04	1634-04-4	
Naphthalene	1.5J	ug/L	5.0	1.2	1		12/05/19 01:04	91-20-3	
n-Propylbenzene	1.0J	ug/L	5.0	0.81	1		12/05/19 01:04	103-65-1	
Styrene	<1.6	ug/L	1.6	0.47	1		12/05/19 01:04	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.27	1		12/05/19 01:04	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.28	1		12/05/19 01:04	79-34-5	
Tetrachloroethene	<1.1	ug/L	1.1	0.33	1		12/05/19 01:04	127-18-4	
Tetrahydrofuran	<20.0	ug/L	20.0	2.3	1		12/05/19 01:04	109-99-9	
Toluene	5.2	ug/L	5.0	0.17	1		12/05/19 01:04	108-88-3	
1,2,3-Trichlorobenzene	<5.0	ug/L	5.0	0.63	1		12/05/19 01:04	87-61-6	
1,2,4-Trichlorobenzene	<5.0	ug/L	5.0	0.95	1		12/05/19 01:04	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.24	1		12/05/19 01:04	71-55-6	
1,1,2-Trichloroethane	<5.0	ug/L	5.0	0.55	1		12/05/19 01:04	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	0.26	1		12/05/19 01:04	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.21	1		12/05/19 01:04	75-69-4	
1,2,3-Trichloropropane	<5.0	ug/L	5.0	0.59	1		12/05/19 01:04	96-18-4	
1,1,2-Trichlorotrifluoroethane	<5.0	ug/L	5.0	0.54	1		12/05/19 01:04	76-13-1	
1,2,4-Trimethylbenzene	2.9	ug/L	2.8	0.84	1		12/05/19 01:04	95-63-6	
1,3,5-Trimethylbenzene	<2.9	ug/L	2.9	0.87	1		12/05/19 01:04	108-67-8	
Vinyl chloride	<1.0	ug/L	1.0	0.17	1		12/05/19 01:04	75-01-4	
m&p-Xylene	9.0	ug/L	2.0	0.47	1		12/05/19 01:04	179601-23-1	
o-Xylene	4.4	ug/L	1.0	0.26	1		12/05/19 01:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/05/19 01:04	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		12/05/19 01:04	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/05/19 01:04	2037-26-5	

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Sample: SB-6-GW **Lab ID: 10500999006** Collected: 11/26/19 12:15 Received: 11/27/19 12:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8081A GCS Pesticides									
Analytical Method: EPA 8081 Preparation Method: EPA Mod. 3510C									
Aldrin	<0.034	ug/L	0.034	0.010	1	12/02/19 13:59	12/09/19 18:56	309-00-2	
alpha-BHC	<0.016	ug/L	0.016	0.0048	1	12/02/19 13:59	12/09/19 18:56	319-84-6	
beta-BHC	<0.030	ug/L	0.030	0.0089	1	12/02/19 13:59	12/09/19 18:56	319-85-7	
delta-BHC	<0.019	ug/L	0.019	0.0058	1	12/02/19 13:59	12/09/19 18:56	319-86-8	
gamma-BHC (Lindane)	<0.016	ug/L	0.016	0.0049	1	12/02/19 13:59	12/09/19 18:56	58-89-9	
Chlordane (Technical)	<0.38	ug/L	0.38	0.11	1	12/02/19 13:59	12/09/19 18:56	57-74-9	
alpha-Chlordane	<0.018	ug/L	0.018	0.0055	1	12/02/19 13:59	12/09/19 18:56	5103-71-9	
gamma-Chlordane	<0.022	ug/L	0.022	0.0066	1	12/02/19 13:59	12/09/19 18:56	5103-74-2	
4,4'-DDD	<0.043	ug/L	0.043	0.013	1	12/02/19 13:59	12/09/19 18:56	72-54-8	
4,4'-DDE	<0.041	ug/L	0.041	0.012	1	12/02/19 13:59	12/09/19 18:56	72-55-9	
4,4'-DDT	<0.091	ug/L	0.091	0.027	1	12/02/19 13:59	12/09/19 18:56	50-29-3	
Dieldrin	<0.030	ug/L	0.030	0.0089	1	12/02/19 13:59	12/09/19 18:56	60-57-1	
Endosulfan I	<0.020	ug/L	0.020	0.0059	1	12/02/19 13:59	12/09/19 18:56	959-98-8	
Endosulfan II	<0.033	ug/L	0.033	0.0098	1	12/02/19 13:59	12/09/19 18:56	33213-65-9	
Endosulfan sulfate	<0.037	ug/L	0.037	0.011	1	12/02/19 13:59	12/09/19 18:56	1031-07-8	
Endrin	<0.039	ug/L	0.039	0.012	1	12/02/19 13:59	12/09/19 18:56	72-20-8	
Endrin aldehyde	<0.041	ug/L	0.041	0.012	1	12/02/19 13:59	12/09/19 18:56	7421-93-4	
Endrin ketone	<0.099	ug/L	0.099	0.030	1	12/02/19 13:59	12/09/19 18:56	53494-70-5	
Heptachlor	<0.037	ug/L	0.037	0.011	1	12/02/19 13:59	12/09/19 18:56	76-44-8	
Heptachlor epoxide	<0.016	ug/L	0.016	0.0049	1	12/02/19 13:59	12/09/19 18:56	1024-57-3	
Methoxychlor	<0.50	ug/L	0.50	0.15	1	12/02/19 13:59	12/09/19 18:56	72-43-5	
Toxaphene	<0.75	ug/L	0.75	0.22	1	12/02/19 13:59	12/09/19 18:56	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	71	%	52-125		1	12/02/19 13:59	12/09/19 18:56	877-09-8	
Decachlorobiphenyl (S)	43	%	30-141		1	12/02/19 13:59	12/09/19 18:56	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	50.2	ug/L	25.0	8.3	1	12/05/19 13:45	12/06/19 12:22	7440-38-2	
Barium	725	ug/L	5.0	1.5	1	12/05/19 13:45	12/06/19 12:22	7440-39-3	
Cadmium	<5.0	ug/L	5.0	1.3	1	12/05/19 13:45	12/06/19 12:22	7440-43-9	
Chromium	290	ug/L	10.0	2.5	1	12/05/19 13:45	12/06/19 12:22	7440-47-3	
Lead	86.1	ug/L	19.7	5.9	1	12/05/19 13:45	12/06/19 12:22	7439-92-1	
Selenium	<40.8	ug/L	40.8	12.2	1	12/05/19 13:45	12/06/19 12:22	7782-49-2	
Silver	<10.7	ug/L	10.7	3.2	1	12/05/19 13:45	12/06/19 12:22	7440-22-4	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.29	ug/L	0.28	0.084	1	12/09/19 10:30	12/10/19 08:01	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260									
Acetone	3.4J	ug/L	20.0	2.7	1		12/05/19 01:26	67-64-1	
Allyl chloride	<5.0	ug/L	5.0	0.60	1		12/05/19 01:26	107-05-1	
Benzene	<1.0	ug/L	1.0	0.25	1		12/05/19 01:26	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.24	1		12/05/19 01:26	108-86-1	
Bromochloromethane	<5.0	ug/L	5.0	0.36	1		12/05/19 01:26	74-97-5	
Bromodichloromethane	<1.2	ug/L	1.2	0.36	1		12/05/19 01:26	75-27-4	
Bromoform	<13.2	ug/L	13.2	4.0	1		12/05/19 01:26	75-25-2	

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Sample: SB-6-GW **Lab ID: 10500999006** Collected: 11/26/19 12:15 Received: 11/27/19 12:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Bromomethane	<5.0	ug/L	5.0	0.97	1		12/05/19 01:26	74-83-9	
2-Butanone (MEK)	<20.0	ug/L	20.0	2.9	1		12/05/19 01:26	78-93-3	
n-Butylbenzene	<2.4	ug/L	2.4	0.71	1		12/05/19 01:26	104-51-8	
sec-Butylbenzene	<5.0	ug/L	5.0	0.85	1		12/05/19 01:26	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	0.30	1		12/05/19 01:26	98-06-6	
Carbon tetrachloride	<1.0	ug/L	1.0	0.17	1		12/05/19 01:26	56-23-5	
Chlorobenzene	<2.4	ug/L	2.4	0.71	1		12/05/19 01:26	108-90-7	
Chloroethane	<5.0	ug/L	5.0	1.3	1		12/05/19 01:26	75-00-3	
Chloroform	<5.0	ug/L	5.0	1.3	1		12/05/19 01:26	67-66-3	
Chloromethane	<7.3	ug/L	7.3	2.2	1		12/05/19 01:26	74-87-3	
2-Chlorotoluene	<5.0	ug/L	5.0	0.93	1		12/05/19 01:26	95-49-8	
4-Chlorotoluene	<2.5	ug/L	2.5	0.76	1		12/05/19 01:26	106-43-4	
1,2-Dibromo-3-chloropropane	<5.9	ug/L	5.9	1.8	1		12/05/19 01:26	96-12-8	
Dibromochloromethane	<8.7	ug/L	8.7	2.6	1		12/05/19 01:26	124-48-1	
1,2-Dibromoethane (EDB)	<2.8	ug/L	2.8	0.83	1		12/05/19 01:26	106-93-4	
Dibromomethane	<3.1	ug/L	3.1	0.94	1		12/05/19 01:26	74-95-3	
1,2-Dichlorobenzene	<2.4	ug/L	2.4	0.71	1		12/05/19 01:26	95-50-1	
1,3-Dichlorobenzene	<2.1	ug/L	2.1	0.63	1		12/05/19 01:26	541-73-1	
1,4-Dichlorobenzene	<3.1	ug/L	3.1	0.94	1		12/05/19 01:26	106-46-7	
Dichlorodifluoromethane	<5.0	ug/L	5.0	0.50	1		12/05/19 01:26	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.27	1		12/05/19 01:26	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.28	1		12/05/19 01:26	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.24	1		12/05/19 01:26	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.27	1		12/05/19 01:26	156-59-2	
trans-1,2-Dichloroethene	<3.6	ug/L	3.6	1.1	1		12/05/19 01:26	156-60-5	
Dichlorofluoromethane	<5.0	ug/L	5.0	1.4	1		12/05/19 01:26	75-43-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.28	1		12/05/19 01:26	78-87-5	
1,3-Dichloropropane	<2.8	ug/L	2.8	0.83	1		12/05/19 01:26	142-28-9	
2,2-Dichloropropane	<7.6	ug/L	7.6	2.3	1		12/05/19 01:26	594-20-7	
1,1-Dichloropropene	<1.8	ug/L	1.8	0.54	1		12/05/19 01:26	563-58-6	
cis-1,3-Dichloropropene	<12.1	ug/L	12.1	3.6	1		12/05/19 01:26	10061-01-5	
trans-1,3-Dichloropropene	<14.6	ug/L	14.6	4.4	1		12/05/19 01:26	10061-02-6	
Diethyl ether (Ethyl ether)	<5.1	ug/L	5.1	1.5	1		12/05/19 01:26	60-29-7	
Ethylbenzene	<1.0	ug/L	1.0	0.22	1		12/05/19 01:26	100-41-4	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1.2	1		12/05/19 01:26	87-68-3	
Isopropylbenzene (Cumene)	<5.0	ug/L	5.0	0.39	1		12/05/19 01:26	98-82-8	
p-Isopropyltoluene	<2.7	ug/L	2.7	0.80	1		12/05/19 01:26	99-87-6	
Methylene Chloride	<5.0	ug/L	5.0	0.58	1		12/05/19 01:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.1	ug/L	5.1	1.5	1		12/05/19 01:26	108-10-1	
Methyl-tert-butyl ether	<4.2	ug/L	4.2	1.2	1		12/05/19 01:26	1634-04-4	
Naphthalene	<5.0	ug/L	5.0	1.2	1		12/05/19 01:26	91-20-3	
n-Propylbenzene	<5.0	ug/L	5.0	0.81	1		12/05/19 01:26	103-65-1	
Styrene	<1.6	ug/L	1.6	0.47	1		12/05/19 01:26	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.27	1		12/05/19 01:26	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.28	1		12/05/19 01:26	79-34-5	
Tetrachloroethene	<1.1	ug/L	1.1	0.33	1		12/05/19 01:26	127-18-4	

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Sample: SB-6-GW **Lab ID: 10500999006** Collected: 11/26/19 12:15 Received: 11/27/19 12:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Tetrahydrofuran	<20.0	ug/L	20.0	2.3	1		12/05/19 01:26	109-99-9	
Toluene	<5.0	ug/L	5.0	0.17	1		12/05/19 01:26	108-88-3	
1,2,3-Trichlorobenzene	<5.0	ug/L	5.0	0.63	1		12/05/19 01:26	87-61-6	
1,2,4-Trichlorobenzene	<5.0	ug/L	5.0	0.95	1		12/05/19 01:26	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.24	1		12/05/19 01:26	71-55-6	
1,1,2-Trichloroethane	<5.0	ug/L	5.0	0.55	1		12/05/19 01:26	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	0.26	1		12/05/19 01:26	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.21	1		12/05/19 01:26	75-69-4	
1,2,3-Trichloropropane	<5.0	ug/L	5.0	0.59	1		12/05/19 01:26	96-18-4	
1,1,2-Trichlorotrifluoroethane	<5.0	ug/L	5.0	0.54	1		12/05/19 01:26	76-13-1	
1,2,4-Trimethylbenzene	<2.8	ug/L	2.8	0.84	1		12/05/19 01:26	95-63-6	
1,3,5-Trimethylbenzene	<2.9	ug/L	2.9	0.87	1		12/05/19 01:26	108-67-8	
Vinyl chloride	<1.0	ug/L	1.0	0.17	1		12/05/19 01:26	75-01-4	
m&p-Xylene	<2.0	ug/L	2.0	0.47	1		12/05/19 01:26	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.26	1		12/05/19 01:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/05/19 01:26	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		12/05/19 01:26	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/05/19 01:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Sample: Dup-GW **Lab ID: 10500999007** Collected: 11/26/19 09:42 Received: 11/27/19 12:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	<25.0	ug/L	25.0	8.3	1	12/05/19 13:45	12/06/19 12:24	7440-38-2	
Barium	353	ug/L	5.0	1.5	1	12/05/19 13:45	12/06/19 12:24	7440-39-3	
Cadmium	<5.0	ug/L	5.0	1.3	1	12/05/19 13:45	12/06/19 12:24	7440-43-9	
Chromium	111	ug/L	10.0	2.5	1	12/05/19 13:45	12/06/19 12:24	7440-47-3	
Lead	32.8	ug/L	19.7	5.9	1	12/05/19 13:45	12/06/19 12:24	7439-92-1	
Selenium	<40.8	ug/L	40.8	12.2	1	12/05/19 13:45	12/06/19 12:24	7782-49-2	
Silver	<10.7	ug/L	10.7	3.2	1	12/05/19 13:45	12/06/19 12:24	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.12J	ug/L	0.28	0.084	1	12/09/19 10:30	12/10/19 08:03	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	<20.0	ug/L	20.0	2.7	1		12/05/19 01:47	67-64-1	
Allyl chloride	<5.0	ug/L	5.0	0.60	1		12/05/19 01:47	107-05-1	
Benzene	<1.0	ug/L	1.0	0.25	1		12/05/19 01:47	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.24	1		12/05/19 01:47	108-86-1	
Bromochloromethane	<5.0	ug/L	5.0	0.36	1		12/05/19 01:47	74-97-5	
Bromodichloromethane	<1.2	ug/L	1.2	0.36	1		12/05/19 01:47	75-27-4	
Bromoform	<13.2	ug/L	13.2	4.0	1		12/05/19 01:47	75-25-2	
Bromomethane	<5.0	ug/L	5.0	0.97	1		12/05/19 01:47	74-83-9	
2-Butanone (MEK)	<20.0	ug/L	20.0	2.9	1		12/05/19 01:47	78-93-3	
n-Butylbenzene	<2.4	ug/L	2.4	0.71	1		12/05/19 01:47	104-51-8	
sec-Butylbenzene	<5.0	ug/L	5.0	0.85	1		12/05/19 01:47	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	0.30	1		12/05/19 01:47	98-06-6	
Carbon tetrachloride	<1.0	ug/L	1.0	0.17	1		12/05/19 01:47	56-23-5	
Chlorobenzene	<2.4	ug/L	2.4	0.71	1		12/05/19 01:47	108-90-7	
Chloroethane	<5.0	ug/L	5.0	1.3	1		12/05/19 01:47	75-00-3	
Chloroform	<5.0	ug/L	5.0	1.3	1		12/05/19 01:47	67-66-3	
Chloromethane	<7.3	ug/L	7.3	2.2	1		12/05/19 01:47	74-87-3	
2-Chlorotoluene	<5.0	ug/L	5.0	0.93	1		12/05/19 01:47	95-49-8	
4-Chlorotoluene	<2.5	ug/L	2.5	0.76	1		12/05/19 01:47	106-43-4	
1,2-Dibromo-3-chloropropane	<5.9	ug/L	5.9	1.8	1		12/05/19 01:47	96-12-8	
Dibromochloromethane	<8.7	ug/L	8.7	2.6	1		12/05/19 01:47	124-48-1	
1,2-Dibromoethane (EDB)	<2.8	ug/L	2.8	0.83	1		12/05/19 01:47	106-93-4	
Dibromomethane	<3.1	ug/L	3.1	0.94	1		12/05/19 01:47	74-95-3	
1,2-Dichlorobenzene	<2.4	ug/L	2.4	0.71	1		12/05/19 01:47	95-50-1	
1,3-Dichlorobenzene	<2.1	ug/L	2.1	0.63	1		12/05/19 01:47	541-73-1	
1,4-Dichlorobenzene	<3.1	ug/L	3.1	0.94	1		12/05/19 01:47	106-46-7	
Dichlorodifluoromethane	<5.0	ug/L	5.0	0.50	1		12/05/19 01:47	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.27	1		12/05/19 01:47	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.28	1		12/05/19 01:47	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.24	1		12/05/19 01:47	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.27	1		12/05/19 01:47	156-59-2	
trans-1,2-Dichloroethene	<3.6	ug/L	3.6	1.1	1		12/05/19 01:47	156-60-5	
Dichlorofluoromethane	<5.0	ug/L	5.0	1.4	1		12/05/19 01:47	75-43-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.28	1		12/05/19 01:47	78-87-5	

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Sample: Dup-GW **Lab ID: 10500999007** Collected: 11/26/19 09:42 Received: 11/27/19 12:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,3-Dichloropropane	<2.8	ug/L	2.8	0.83	1		12/05/19 01:47	142-28-9	
2,2-Dichloropropane	<7.6	ug/L	7.6	2.3	1		12/05/19 01:47	594-20-7	
1,1-Dichloropropene	<1.8	ug/L	1.8	0.54	1		12/05/19 01:47	563-58-6	
cis-1,3-Dichloropropene	<12.1	ug/L	12.1	3.6	1		12/05/19 01:47	10061-01-5	
trans-1,3-Dichloropropene	<14.6	ug/L	14.6	4.4	1		12/05/19 01:47	10061-02-6	
Diethyl ether (Ethyl ether)	<5.1	ug/L	5.1	1.5	1		12/05/19 01:47	60-29-7	
Ethylbenzene	<1.0	ug/L	1.0	0.22	1		12/05/19 01:47	100-41-4	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1.2	1		12/05/19 01:47	87-68-3	
Isopropylbenzene (Cumene)	<5.0	ug/L	5.0	0.39	1		12/05/19 01:47	98-82-8	
p-Isopropyltoluene	<2.7	ug/L	2.7	0.80	1		12/05/19 01:47	99-87-6	
Methylene Chloride	<5.0	ug/L	5.0	0.58	1		12/05/19 01:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.1	ug/L	5.1	1.5	1		12/05/19 01:47	108-10-1	
Methyl-tert-butyl ether	<4.2	ug/L	4.2	1.2	1		12/05/19 01:47	1634-04-4	
Naphthalene	<5.0	ug/L	5.0	1.2	1		12/05/19 01:47	91-20-3	
n-Propylbenzene	<5.0	ug/L	5.0	0.81	1		12/05/19 01:47	103-65-1	
Styrene	<1.6	ug/L	1.6	0.47	1		12/05/19 01:47	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.27	1		12/05/19 01:47	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.28	1		12/05/19 01:47	79-34-5	
Tetrachloroethene	<1.1	ug/L	1.1	0.33	1		12/05/19 01:47	127-18-4	
Tetrahydrofuran	<20.0	ug/L	20.0	2.3	1		12/05/19 01:47	109-99-9	
Toluene	<5.0	ug/L	5.0	0.17	1		12/05/19 01:47	108-88-3	
1,2,3-Trichlorobenzene	<5.0	ug/L	5.0	0.63	1		12/05/19 01:47	87-61-6	
1,2,4-Trichlorobenzene	<5.0	ug/L	5.0	0.95	1		12/05/19 01:47	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.24	1		12/05/19 01:47	71-55-6	
1,1,2-Trichloroethane	<5.0	ug/L	5.0	0.55	1		12/05/19 01:47	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	0.26	1		12/05/19 01:47	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.21	1		12/05/19 01:47	75-69-4	
1,2,3-Trichloropropane	<5.0	ug/L	5.0	0.59	1		12/05/19 01:47	96-18-4	
1,1,2-Trichlorotrifluoroethane	<5.0	ug/L	5.0	0.54	1		12/05/19 01:47	76-13-1	
1,2,4-Trimethylbenzene	<2.8	ug/L	2.8	0.84	1		12/05/19 01:47	95-63-6	
1,3,5-Trimethylbenzene	<2.9	ug/L	2.9	0.87	1		12/05/19 01:47	108-67-8	
Vinyl chloride	<1.0	ug/L	1.0	0.17	1		12/05/19 01:47	75-01-4	
m&p-Xylene	<2.0	ug/L	2.0	0.47	1		12/05/19 01:47	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.26	1		12/05/19 01:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/05/19 01:47	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		12/05/19 01:47	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/05/19 01:47	2037-26-5	

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Sample: TB **Lab ID: 10500999008** Collected: 11/26/19 00:00 Received: 11/27/19 12:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Acetone	<20.0	ug/L	20.0	2.7	1		12/04/19 23:17	67-64-1	
Allyl chloride	<5.0	ug/L	5.0	0.60	1		12/04/19 23:17	107-05-1	
Benzene	<1.0	ug/L	1.0	0.25	1		12/04/19 23:17	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.24	1		12/04/19 23:17	108-86-1	
Bromochloromethane	<5.0	ug/L	5.0	0.36	1		12/04/19 23:17	74-97-5	
Bromodichloromethane	<1.2	ug/L	1.2	0.36	1		12/04/19 23:17	75-27-4	
Bromoform	<13.2	ug/L	13.2	4.0	1		12/04/19 23:17	75-25-2	
Bromomethane	<5.0	ug/L	5.0	0.97	1		12/04/19 23:17	74-83-9	
2-Butanone (MEK)	<20.0	ug/L	20.0	2.9	1		12/04/19 23:17	78-93-3	
n-Butylbenzene	<2.4	ug/L	2.4	0.71	1		12/04/19 23:17	104-51-8	
sec-Butylbenzene	<5.0	ug/L	5.0	0.85	1		12/04/19 23:17	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	0.30	1		12/04/19 23:17	98-06-6	
Carbon tetrachloride	<1.0	ug/L	1.0	0.17	1		12/04/19 23:17	56-23-5	
Chlorobenzene	<2.4	ug/L	2.4	0.71	1		12/04/19 23:17	108-90-7	
Chloroethane	<5.0	ug/L	5.0	1.3	1		12/04/19 23:17	75-00-3	
Chloroform	<5.0	ug/L	5.0	1.3	1		12/04/19 23:17	67-66-3	
Chloromethane	<7.3	ug/L	7.3	2.2	1		12/04/19 23:17	74-87-3	
2-Chlorotoluene	<5.0	ug/L	5.0	0.93	1		12/04/19 23:17	95-49-8	
4-Chlorotoluene	<2.5	ug/L	2.5	0.76	1		12/04/19 23:17	106-43-4	
1,2-Dibromo-3-chloropropane	<5.9	ug/L	5.9	1.8	1		12/04/19 23:17	96-12-8	
Dibromochloromethane	<8.7	ug/L	8.7	2.6	1		12/04/19 23:17	124-48-1	
1,2-Dibromoethane (EDB)	<2.8	ug/L	2.8	0.83	1		12/04/19 23:17	106-93-4	
Dibromomethane	<3.1	ug/L	3.1	0.94	1		12/04/19 23:17	74-95-3	
1,2-Dichlorobenzene	<2.4	ug/L	2.4	0.71	1		12/04/19 23:17	95-50-1	
1,3-Dichlorobenzene	<2.1	ug/L	2.1	0.63	1		12/04/19 23:17	541-73-1	
1,4-Dichlorobenzene	<3.1	ug/L	3.1	0.94	1		12/04/19 23:17	106-46-7	
Dichlorodifluoromethane	<5.0	ug/L	5.0	0.50	1		12/04/19 23:17	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.27	1		12/04/19 23:17	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.28	1		12/04/19 23:17	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.24	1		12/04/19 23:17	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.27	1		12/04/19 23:17	156-59-2	
trans-1,2-Dichloroethene	<3.6	ug/L	3.6	1.1	1		12/04/19 23:17	156-60-5	
Dichlorofluoromethane	<5.0	ug/L	5.0	1.4	1		12/04/19 23:17	75-43-4	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.28	1		12/04/19 23:17	78-87-5	
1,3-Dichloropropane	<2.8	ug/L	2.8	0.83	1		12/04/19 23:17	142-28-9	
2,2-Dichloropropane	<7.6	ug/L	7.6	2.3	1		12/04/19 23:17	594-20-7	
1,1-Dichloropropene	<1.8	ug/L	1.8	0.54	1		12/04/19 23:17	563-58-6	
cis-1,3-Dichloropropene	<12.1	ug/L	12.1	3.6	1		12/04/19 23:17	10061-01-5	
trans-1,3-Dichloropropene	<14.6	ug/L	14.6	4.4	1		12/04/19 23:17	10061-02-6	
Diethyl ether (Ethyl ether)	<5.1	ug/L	5.1	1.5	1		12/04/19 23:17	60-29-7	
Ethylbenzene	<1.0	ug/L	1.0	0.22	1		12/04/19 23:17	100-41-4	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1.2	1		12/04/19 23:17	87-68-3	
Isopropylbenzene (Cumene)	<5.0	ug/L	5.0	0.39	1		12/04/19 23:17	98-82-8	
p-Isopropyltoluene	<2.7	ug/L	2.7	0.80	1		12/04/19 23:17	99-87-6	
Methylene Chloride	1.5J	ug/L	5.0	0.58	1		12/04/19 23:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.1	ug/L	5.1	1.5	1		12/04/19 23:17	108-10-1	

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ANALYTICAL RESULTS

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

Sample: TB **Lab ID: 10500999008** Collected: 11/26/19 00:00 Received: 11/27/19 12:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<4.2	ug/L	4.2	1.2	1		12/04/19 23:17	1634-04-4	
Naphthalene	<5.0	ug/L	5.0	1.2	1		12/04/19 23:17	91-20-3	
n-Propylbenzene	<5.0	ug/L	5.0	0.81	1		12/04/19 23:17	103-65-1	
Styrene	<1.6	ug/L	1.6	0.47	1		12/04/19 23:17	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.27	1		12/04/19 23:17	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.28	1		12/04/19 23:17	79-34-5	
Tetrachloroethene	<1.1	ug/L	1.1	0.33	1		12/04/19 23:17	127-18-4	
Tetrahydrofuran	<20.0	ug/L	20.0	2.3	1		12/04/19 23:17	109-99-9	
Toluene	<5.0	ug/L	5.0	0.17	1		12/04/19 23:17	108-88-3	
1,2,3-Trichlorobenzene	<5.0	ug/L	5.0	0.63	1		12/04/19 23:17	87-61-6	
1,2,4-Trichlorobenzene	<5.0	ug/L	5.0	0.95	1		12/04/19 23:17	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.24	1		12/04/19 23:17	71-55-6	
1,1,2-Trichloroethane	<5.0	ug/L	5.0	0.55	1		12/04/19 23:17	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	0.26	1		12/04/19 23:17	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.21	1		12/04/19 23:17	75-69-4	
1,2,3-Trichloropropane	<5.0	ug/L	5.0	0.59	1		12/04/19 23:17	96-18-4	
1,1,2-Trichlorotrifluoroethane	<5.0	ug/L	5.0	0.54	1		12/04/19 23:17	76-13-1	
1,2,4-Trimethylbenzene	<2.8	ug/L	2.8	0.84	1		12/04/19 23:17	95-63-6	
1,3,5-Trimethylbenzene	<2.9	ug/L	2.9	0.87	1		12/04/19 23:17	108-67-8	
Vinyl chloride	<1.0	ug/L	1.0	0.17	1		12/04/19 23:17	75-01-4	
m&p-Xylene	<2.0	ug/L	2.0	0.47	1		12/04/19 23:17	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.26	1		12/04/19 23:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/04/19 23:17	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		12/04/19 23:17	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/04/19 23:17	2037-26-5	

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

QC Batch: 342863 Analysis Method: EPA 7470
 QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
 Associated Lab Samples: 10500999001, 10500999002, 10500999003, 10500999004, 10500999005, 10500999006, 10500999007

METHOD BLANK: 1991170 Matrix: Water
 Associated Lab Samples: 10500999001, 10500999002, 10500999003, 10500999004, 10500999005, 10500999006, 10500999007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.28	0.28	12/10/19 07:33	

LABORATORY CONTROL SAMPLE: 1991171

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1991172 1991173

Parameter	Units	40200313001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.084	5	5	4.7	4.9	93	99	85-115	6	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

QC Batch: 342619 Analysis Method: EPA 6010
 QC Batch Method: EPA 3010 Analysis Description: 6010 MET
 Associated Lab Samples: 10500999001, 10500999002, 10500999003, 10500999004, 10500999005, 10500999006, 10500999007

METHOD BLANK: 1989439 Matrix: Water
 Associated Lab Samples: 10500999001, 10500999002, 10500999003, 10500999004, 10500999005, 10500999006, 10500999007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	<25.0	25.0	12/06/19 11:56	
Barium	ug/L	<5.0	5.0	12/06/19 11:56	
Cadmium	ug/L	<5.0	5.0	12/06/19 11:56	
Chromium	ug/L	<10.0	10.0	12/06/19 11:56	
Lead	ug/L	<19.7	19.7	12/06/19 11:56	
Selenium	ug/L	<40.8	40.8	12/06/19 11:56	
Silver	ug/L	<10.7	10.7	12/06/19 11:56	

LABORATORY CONTROL SAMPLE: 1989440

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	486	97	80-120	
Barium	ug/L	500	506	101	80-120	
Cadmium	ug/L	500	501	100	80-120	
Chromium	ug/L	500	503	101	80-120	
Lead	ug/L	500	512	102	80-120	
Selenium	ug/L	500	503	101	80-120	
Silver	ug/L	250	252	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1989441 1989442

Parameter	Units	10500999001		1989441		1989442		% Rec	% Rec	% Rec	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Result					
Arsenic	ug/L	106J	500	500	594	561	98	91	75-125	6	20	
Barium	ug/L	1360	500	500	2000	1910	129	110	75-125	5	20	M0
Cadmium	ug/L	<25.0	500	500	512	506	102	100	75-125	1	20	
Chromium	ug/L	614	500	500	1140	1090	105	96	75-125	4	20	
Lead	ug/L	164	500	500	680	664	103	100	75-125	2	20	
Selenium	ug/L	<204	500	500	503	465	95	87	75-125	8	20	
Silver	ug/L	<53.3	250	250	228	227	91	91	75-125	1	20	

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

QC Batch: 342429 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 10500999001, 10500999002, 10500999003, 10500999004, 10500999005, 10500999006, 10500999007, 10500999008

METHOD BLANK: 1988482 Matrix: Water
 Associated Lab Samples: 10500999001, 10500999002, 10500999003, 10500999004, 10500999005, 10500999006, 10500999007, 10500999008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	12/04/19 07:49	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	12/04/19 07:49	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	12/04/19 07:49	
1,1,2-Trichloroethane	ug/L	<5.0	5.0	12/04/19 07:49	
1,1,2-Trichlorotrifluoroethane	ug/L	<5.0	5.0	12/04/19 07:49	
1,1-Dichloroethane	ug/L	<1.0	1.0	12/04/19 07:49	
1,1-Dichloroethene	ug/L	<1.0	1.0	12/04/19 07:49	
1,1-Dichloropropene	ug/L	<1.8	1.8	12/04/19 07:49	
1,2,3-Trichlorobenzene	ug/L	<5.0	5.0	12/04/19 07:49	
1,2,3-Trichloropropane	ug/L	<5.0	5.0	12/04/19 07:49	
1,2,4-Trichlorobenzene	ug/L	<5.0	5.0	12/04/19 07:49	
1,2,4-Trimethylbenzene	ug/L	<2.8	2.8	12/04/19 07:49	
1,2-Dibromo-3-chloropropane	ug/L	<5.9	5.9	12/04/19 07:49	
1,2-Dibromoethane (EDB)	ug/L	<2.8	2.8	12/04/19 07:49	
1,2-Dichlorobenzene	ug/L	<2.4	2.4	12/04/19 07:49	
1,2-Dichloroethane	ug/L	<1.0	1.0	12/04/19 07:49	
1,2-Dichloropropane	ug/L	<1.0	1.0	12/04/19 07:49	
1,3,5-Trimethylbenzene	ug/L	<2.9	2.9	12/04/19 07:49	
1,3-Dichlorobenzene	ug/L	<2.1	2.1	12/04/19 07:49	
1,3-Dichloropropane	ug/L	<2.8	2.8	12/04/19 07:49	
1,4-Dichlorobenzene	ug/L	<3.1	3.1	12/04/19 07:49	
2,2-Dichloropropane	ug/L	<7.6	7.6	12/04/19 07:49	
2-Butanone (MEK)	ug/L	<20.0	20.0	12/04/19 07:49	
2-Chlorotoluene	ug/L	<5.0	5.0	12/04/19 07:49	
4-Chlorotoluene	ug/L	<2.5	2.5	12/04/19 07:49	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.1	5.1	12/04/19 07:49	
Acetone	ug/L	<20.0	20.0	12/04/19 07:49	
Allyl chloride	ug/L	<5.0	5.0	12/04/19 07:49	
Benzene	ug/L	<1.0	1.0	12/04/19 07:49	
Bromobenzene	ug/L	<1.0	1.0	12/04/19 07:49	
Bromochloromethane	ug/L	<5.0	5.0	12/04/19 07:49	
Bromodichloromethane	ug/L	<1.2	1.2	12/04/19 07:49	
Bromoform	ug/L	<13.2	13.2	12/04/19 07:49	
Bromomethane	ug/L	<5.0	5.0	12/04/19 07:49	
Carbon tetrachloride	ug/L	<1.0	1.0	12/04/19 07:49	
Chlorobenzene	ug/L	<2.4	2.4	12/04/19 07:49	
Chloroethane	ug/L	<5.0	5.0	12/04/19 07:49	
Chloroform	ug/L	<5.0	5.0	12/04/19 07:49	
Chloromethane	ug/L	<7.3	7.3	12/04/19 07:49	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	12/04/19 07:49	

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property
Pace Project No.: 10500999

METHOD BLANK: 1988482 Matrix: Water
Associated Lab Samples: 10500999001, 10500999002, 10500999003, 10500999004, 10500999005, 10500999006, 10500999007, 10500999008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	<12.1	12.1	12/04/19 07:49	
Dibromochloromethane	ug/L	<8.7	8.7	12/04/19 07:49	
Dibromomethane	ug/L	<3.1	3.1	12/04/19 07:49	
Dichlorodifluoromethane	ug/L	<5.0	5.0	12/04/19 07:49	
Dichlorofluoromethane	ug/L	<5.0	5.0	12/04/19 07:49	
Diethyl ether (Ethyl ether)	ug/L	<5.1	5.1	12/04/19 07:49	
Ethylbenzene	ug/L	<1.0	1.0	12/04/19 07:49	
Hexachloro-1,3-butadiene	ug/L	<5.0	5.0	12/04/19 07:49	
Isopropylbenzene (Cumene)	ug/L	<5.0	5.0	12/04/19 07:49	
m&p-Xylene	ug/L	<2.0	2.0	12/04/19 07:49	
Methyl-tert-butyl ether	ug/L	<4.2	4.2	12/04/19 07:49	
Methylene Chloride	ug/L	<5.0	5.0	12/04/19 07:49	
n-Butylbenzene	ug/L	<2.4	2.4	12/04/19 07:49	
n-Propylbenzene	ug/L	<5.0	5.0	12/04/19 07:49	
Naphthalene	ug/L	<5.0	5.0	12/04/19 07:49	
o-Xylene	ug/L	<1.0	1.0	12/04/19 07:49	
p-Isopropyltoluene	ug/L	<2.7	2.7	12/04/19 07:49	
sec-Butylbenzene	ug/L	<5.0	5.0	12/04/19 07:49	
Styrene	ug/L	<1.6	1.6	12/04/19 07:49	
tert-Butylbenzene	ug/L	<1.0	1.0	12/04/19 07:49	
Tetrachloroethene	ug/L	<1.1	1.1	12/04/19 07:49	
Tetrahydrofuran	ug/L	<20.0	20.0	12/04/19 07:49	
Toluene	ug/L	<5.0	5.0	12/04/19 07:49	
trans-1,2-Dichloroethene	ug/L	<3.6	3.6	12/04/19 07:49	
trans-1,3-Dichloropropene	ug/L	<14.6	14.6	12/04/19 07:49	
Trichloroethene	ug/L	<1.0	1.0	12/04/19 07:49	
Trichlorofluoromethane	ug/L	<1.0	1.0	12/04/19 07:49	
Vinyl chloride	ug/L	<1.0	1.0	12/04/19 07:49	
4-Bromofluorobenzene (S)	%	91	70-130	12/04/19 07:49	
Dibromofluoromethane (S)	%	97	70-130	12/04/19 07:49	
Toluene-d8 (S)	%	95	70-130	12/04/19 07:49	

LABORATORY CONTROL SAMPLE: 1988483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.4	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.4	97	70-130	
1,1,2-Trichloroethane	ug/L	50	48.2	96	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	47.4	95	50-150	
1,1-Dichloroethane	ug/L	50	52.7	105	73-150	
1,1-Dichloroethene	ug/L	50	52.5	105	73-138	
1,2,4-Trichlorobenzene	ug/L	50	51.8	104	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	41.2	82	64-129	

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

LABORATORY CONTROL SAMPLE: 1988483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	51.8	104	70-130	
1,2-Dichlorobenzene	ug/L	50	51.9	104	70-130	
1,2-Dichloroethane	ug/L	50	47.6	95	75-140	
1,2-Dichloropropane	ug/L	50	48.7	97	73-135	
1,3-Dichlorobenzene	ug/L	50	53.3	107	70-130	
1,4-Dichlorobenzene	ug/L	50	52.2	104	70-130	
Benzene	ug/L	50	51.6	103	70-130	
Bromodichloromethane	ug/L	50	50.4	101	70-130	
Bromoform	ug/L	50	46.2	92	68-129	
Bromomethane	ug/L	50	41.6	83	18-159	
Carbon tetrachloride	ug/L	50	47.7	95	70-130	
Chlorobenzene	ug/L	50	53.5	107	70-130	
Chloroethane	ug/L	50	49.9	100	53-147	
Chloroform	ug/L	50	49.2	98	74-136	
Chloromethane	ug/L	50	39.6	79	29-115	
cis-1,2-Dichloroethene	ug/L	50	52.7	105	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.3	99	70-130	
Dibromochloromethane	ug/L	50	48.6	97	70-130	
Dichlorodifluoromethane	ug/L	50	32.6	65	10-130	
Ethylbenzene	ug/L	50	52.0	104	80-124	
Isopropylbenzene (Cumene)	ug/L	50	53.7	107	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	46.1	92	54-137	
Methylene Chloride	ug/L	50	51.0	102	73-138	
o-Xylene	ug/L	50	52.4	105	70-130	
Styrene	ug/L	50	53.1	106	70-130	
Tetrachloroethene	ug/L	50	51.7	103	70-130	
Toluene	ug/L	50	51.6	103	80-126	
trans-1,2-Dichloroethene	ug/L	50	53.3	107	73-145	
trans-1,3-Dichloropropene	ug/L	50	40.5	81	70-130	
Trichloroethene	ug/L	50	54.4	109	70-130	
Trichlorofluoromethane	ug/L	50	53.2	106	76-147	
Vinyl chloride	ug/L	50	45.2	90	51-120	
4-Bromofluorobenzene (S)	%			95	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1988489 1988490

Parameter	Units	40200138002		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	% Rec					
1,1,1-Trichloroethane	ug/L	<0.24	50	50	49.5	51.1	99	102	70-130	3	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	46.0	47.0	92	94	70-130	2	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	46.3	49.2	93	98	70-137	6	20		

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1988489 1988490												
Parameter	Units	40200138002		MS	MSD	MS	MSD	MS	MSD	% Rec	Max	
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	RPD	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.54	50	50	50	47.0	48.2	94	96	50-150	2	20
1,1-Dichloroethane	ug/L	<0.27	50	50	50.5	51.9	101	104	104	73-153	3	20
1,1-Dichloroethene	ug/L	<0.24	50	50	51.3	53.3	103	107	107	73-138	4	20
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	50.0	51.8	100	104	104	70-130	4	20
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	40.7	42.6	81	85	85	58-129	5	20
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	48.1	50.4	96	101	101	70-130	5	20
1,2-Dichlorobenzene	ug/L	<0.71	50	50	50.2	51.5	100	103	103	70-130	3	20
1,2-Dichloroethane	ug/L	<0.28	50	50	45.2	47.8	90	96	96	75-140	6	20
1,2-Dichloropropane	ug/L	<0.28	50	50	46.2	48.2	92	96	96	71-138	4	20
1,3-Dichlorobenzene	ug/L	<0.63	50	50	50.7	52.1	101	104	104	70-130	3	20
1,4-Dichlorobenzene	ug/L	<0.94	50	50	49.8	50.8	100	102	102	70-130	2	20
Benzene	ug/L	<0.25	50	50	49.7	51.6	99	103	103	70-130	4	20
Bromodichloromethane	ug/L	<0.36	50	50	47.7	48.1	95	96	96	70-130	1	20
Bromoform	ug/L	<4.0	50	50	42.1	45.0	84	90	90	68-129	7	20
Bromomethane	ug/L	<0.97	50	50	41.3	43.3	83	87	87	15-170	5	20
Carbon tetrachloride	ug/L	<0.17	50	50	45.5	46.7	91	93	93	70-130	3	20
Chlorobenzene	ug/L	<0.71	50	50	51.3	53.0	103	106	106	70-130	3	20
Chloroethane	ug/L	<1.3	50	50	46.3	49.3	93	99	99	51-148	6	20
Chloroform	ug/L	<1.3	50	50	46.9	48.3	94	97	97	74-136	3	20
Chloromethane	ug/L	<2.2	50	50	37.4	38.8	75	78	78	23-115	4	20
cis-1,2-Dichloroethene	ug/L	3.0	50	50	53.2	54.8	100	104	104	70-131	3	20
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	45.6	48.2	91	96	96	70-130	6	20
Dibromochloromethane	ug/L	<2.6	50	50	46.5	49.0	93	98	98	70-130	5	20
Dichlorodifluoromethane	ug/L	<0.50	50	50	31.1	31.6	62	63	63	10-132	1	20
Ethylbenzene	ug/L	<0.22	50	50	49.9	52.4	100	105	105	80-125	5	20
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	51.2	54.0	102	108	108	70-130	5	20
m&p-Xylene	ug/L	<0.47	100	100	102	107	102	107	107	70-130	4	20
Methyl-tert-butyl ether	ug/L	<1.2	50	50	44.2	46.4	88	93	93	51-145	5	20
Methylene Chloride	ug/L	<0.58	50	50	50.1	52.0	100	104	104	73-140	4	20
o-Xylene	ug/L	<0.26	50	50	50.2	52.1	100	104	104	70-130	4	20
Styrene	ug/L	<0.47	50	50	50.9	53.1	102	106	106	70-130	4	20
Tetrachloroethene	ug/L	0.34J	50	50	49.3	51.3	98	102	102	70-130	4	20
Toluene	ug/L	<0.17	50	50	49.6	51.9	99	104	104	80-131	5	20
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	52.1	53.2	104	106	106	73-148	2	20
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	38.3	40.1	77	80	80	70-130	4	20
Trichloroethene	ug/L	<0.26	50	50	52.5	54.0	105	108	108	70-130	3	20
Trichlorofluoromethane	ug/L	<0.21	50	50	50.9	52.2	102	104	104	74-147	3	20
Vinyl chloride	ug/L	<0.17	50	50	42.5	44.0	85	88	88	41-129	4	20
4-Bromofluorobenzene (S)	%							95	96	70-130		
Dibromofluoromethane (S)	%							98	98	70-130		
Toluene-d8 (S)	%							95	95	70-130		

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property
Pace Project No.: 10500999

QC Batch: 647592 Analysis Method: EPA 8081
QC Batch Method: EPA Mod. 3510C Analysis Description: 8081A GCS Pesticides
Associated Lab Samples: 10500999006

METHOD BLANK: 3484602 Matrix: Water
Associated Lab Samples: 10500999006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	<0.041	0.041	12/09/19 18:19	
4,4'-DDE	ug/L	<0.039	0.039	12/09/19 18:19	
4,4'-DDT	ug/L	<0.087	0.087	12/09/19 18:19	
Aldrin	ug/L	<0.033	0.033	12/09/19 18:19	
alpha-BHC	ug/L	<0.015	0.015	12/09/19 18:19	
alpha-Chlordane	ug/L	<0.018	0.018	12/09/19 18:19	
beta-BHC	ug/L	<0.029	0.029	12/09/19 18:19	
Chlordane (Technical)	ug/L	<0.37	0.37	12/09/19 18:19	
delta-BHC	ug/L	<0.019	0.019	12/09/19 18:19	
Dieldrin	ug/L	<0.029	0.029	12/09/19 18:19	
Endosulfan I	ug/L	<0.019	0.019	12/09/19 18:19	
Endosulfan II	ug/L	<0.031	0.031	12/09/19 18:19	
Endosulfan sulfate	ug/L	<0.035	0.035	12/09/19 18:19	
Endrin	ug/L	<0.037	0.037	12/09/19 18:19	
Endrin aldehyde	ug/L	<0.040	0.040	12/09/19 18:19	
Endrin ketone	ug/L	<0.095	0.095	12/09/19 18:19	
gamma-BHC (Lindane)	ug/L	<0.016	0.016	12/09/19 18:19	
gamma-Chlordane	ug/L	<0.021	0.021	12/09/19 18:19	
Heptachlor	ug/L	<0.035	0.035	12/09/19 18:19	
Heptachlor epoxide	ug/L	<0.016	0.016	12/09/19 18:19	
Methoxychlor	ug/L	<0.48	0.48	12/09/19 18:19	
Toxaphene	ug/L	<0.72	0.72	12/09/19 18:19	
Decachlorobiphenyl (S)	%	88	30-141	12/09/19 18:19	
Tetrachloro-m-xylene (S)	%	87	52-125	12/09/19 18:19	

LABORATORY CONTROL SAMPLE: 3484603

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	1	0.97	97	75-125	
4,4'-DDE	ug/L	1	0.94	94	75-125	
4,4'-DDT	ug/L	1	0.96	96	75-125	
Aldrin	ug/L	0.5	0.43	87	41-125	
alpha-BHC	ug/L	0.5	0.47	93	75-125	
alpha-Chlordane	ug/L	0.5	0.45	91	75-125	
beta-BHC	ug/L	0.5	0.45	90	75-125	
delta-BHC	ug/L	0.5	0.45	91	52-130	
Dieldrin	ug/L	1	0.95	95	75-125	
Endosulfan I	ug/L	0.5	0.46	92	75-125	
Endosulfan II	ug/L	1	0.95	95	75-125	
Endosulfan sulfate	ug/L	1	0.95	95	75-125	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

LABORATORY CONTROL SAMPLE: 3484603

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	ug/L	1	0.95	95	75-125	
Endrin aldehyde	ug/L	1	0.91	91	75-125	
Endrin ketone	ug/L	1	0.96	96	75-125	
gamma-BHC (Lindane)	ug/L	0.5	0.46	93	75-125	
gamma-Chlordane	ug/L	0.5	0.43	86	72-125	
Heptachlor	ug/L	0.5	0.44	87	68-125	
Heptachlor epoxide	ug/L	0.5	0.46	92	75-125	
Methoxychlor	ug/L	5	4.9	98	75-125	
Decachlorobiphenyl (S)	%			82	30-141	
Tetrachloro-m-xylene (S)	%			85	52-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3484719 3484720

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10501056001 Result	Spike Conc.	Spike Conc.	MS Result								
4,4'-DDD	ug/L	<0.31	3.1	3.1	3.1	3.0	98	97	70-130	1	20		
4,4'-DDE	ug/L	<0.31	3.1	3.1	3.0	3.0	97	95	70-130	2	20		
4,4'-DDT	ug/L	<0.31	3.1	3.1	3.1	3.1	100	98	70-130	2	20		
Aldrin	ug/L	<0.16	1.6	1.6	1.4	1.4	92	90	70-130	2	20		
alpha-BHC	ug/L	<0.16	1.6	1.6	1.5	1.5	96	94	70-130	2	20		
alpha-Chlordane	ug/L	<0.16	1.6	1.6	1.5	1.4	93	92	70-130	1	20		
beta-BHC	ug/L	<0.16	1.6	1.6	1.4	1.4	92	90	70-130	2	20		
delta-BHC	ug/L	<0.16	1.6	1.6	1.4	1.4	93	91	70-130	2	20		
Dieldrin	ug/L	<0.31	3.1	3.1	3.0	3.0	97	96	70-130	1	20		
Endosulfan I	ug/L	<0.16	1.6	1.6	1.4	1.4	93	92	70-130	1	20		
Endosulfan II	ug/L	<0.31	3.1	3.1	3.0	3.0	96	95	70-130	2	20		
Endosulfan sulfate	ug/L	<0.31	3.1	3.1	3.0	3.0	96	95	70-130	1	20		
Endrin	ug/L	<0.31	3.1	3.1	3.0	3.0	97	96	70-130	1	20		
Endrin aldehyde	ug/L	<0.31	3.1	3.1	2.9	2.9	93	91	70-130	2	20		
Endrin ketone	ug/L	<0.31	3.1	3.1	3.0	3.0	97	96	70-130	1	20		
gamma-BHC (Lindane)	ug/L	<0.16	1.6	1.6	1.5	1.5	95	93	70-130	2	20		
gamma-Chlordane	ug/L	<0.16	1.6	1.6	1.4	1.4	89	87	70-130	2	20		
Heptachlor	ug/L	<0.16	1.6	1.6	1.4	1.4	92	91	70-130	2	20		
Heptachlor epoxide	ug/L	<0.16	1.6	1.6	1.5	1.4	93	92	70-130	1	20		
Methoxychlor	ug/L	<1.6	15.6	15.6	15.7	15.5	100	99	70-130	1	20		
Decachlorobiphenyl (S)	%						90	91	30-141				
Tetrachloro-m-xylene (S)	%						89	88	52-125				

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: J190928 Kitelinger Property

Pace Project No.: 10500999

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: J190928 Kitelinger Property
Pace Project No.: 10500999

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10500999006	SB-6-GW	EPA Mod. 3510C	647592	EPA 8081	648979
10500999001	SB-1-GW	EPA 3010	342619	EPA 6010	342727
10500999002	SB-2-GW	EPA 3010	342619	EPA 6010	342727
10500999003	SB-3-GW	EPA 3010	342619	EPA 6010	342727
10500999004	SB-4-GW	EPA 3010	342619	EPA 6010	342727
10500999005	SB-5-GW	EPA 3010	342619	EPA 6010	342727
10500999006	SB-6-GW	EPA 3010	342619	EPA 6010	342727
10500999007	Dup-GW	EPA 3010	342619	EPA 6010	342727
10500999001	SB-1-GW	EPA 7470	342863	EPA 7470	342912
10500999002	SB-2-GW	EPA 7470	342863	EPA 7470	342912
10500999003	SB-3-GW	EPA 7470	342863	EPA 7470	342912
10500999004	SB-4-GW	EPA 7470	342863	EPA 7470	342912
10500999005	SB-5-GW	EPA 7470	342863	EPA 7470	342912
10500999006	SB-6-GW	EPA 7470	342863	EPA 7470	342912
10500999007	Dup-GW	EPA 7470	342863	EPA 7470	342912
10500999001	SB-1-GW	EPA 8260	342429		
10500999002	SB-2-GW	EPA 8260	342429		
10500999003	SB-3-GW	EPA 8260	342429		
10500999004	SB-4-GW	EPA 8260	342429		
10500999005	SB-5-GW	EPA 8260	342429		
10500999006	SB-6-GW	EPA 8260	342429		
10500999007	Dup-GW	EPA 8260	342429		
10500999008	TB	EPA 8260	342429		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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

*Cover 3

Page: **3** of **3**

2294116

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Boy West	Report To: micku@boywest.com	Attention: Accounts Payable
Address: 5 Empire Dr St. Paul	Copy To:	Company Name: Boy West
Email To: micku@boywest.com	Purchase Order No.: 701827	Address: 5 Empire Dr
Phone: 651-291-3441	Project Name: Kitelinger Property	Pace Quote Reference: Oyelemi Oduwole
Requested Due Date/TAT: standard	Project Number: 5190928	Pace Profile #: 24209

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location: **WI**

STATE: **WI**

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATERIAL CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test ↓	Requested Analysis Filtered (Y/N)			Res	Pace Project No./ Lab I.D.				
					COMPOSITE START	COMPOSITE END/GRAB	DATE	TIME			DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		VOC	PCBs	pesticides						
1	SB-1-GW		WT	G																									cw1	
2	SB-2-GW		WT	G																									cw2	
3	SB-3-GW		WT	G																									cw3	
4	SB-4-GW		WT	G																									cw4	
5	SB-5-GW		WT	G																									cw5	
6	SB-6-GW		WT	G						6	2																		cw6	
7	DUP-GW		WT	G						4																			cw7	
8	TB(2) 8/11/22/19																												dob	
9																														
10																														
11																														
12																														

WO# : 10500999

10500999

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
*Cover 3	Boy West	11-26-19	1430	[Signature]	12-27-19	1030			
	[Signature]	11-27-19	1215	[Signature]	11-27-19	1215	2.1	Y	N

Page 36 of 40

ORIGINAL

SAMPLER NAME AND SIGNATURE: **Courtney Smith**

PRINT Name of SAMPLER: **Courtney Smith**

SIGNATURE of SAMPLER: **[Signature]**

DATE Signed (MM/DD/YY): **11/26/19**


Temp in °C: _____

Received on Ice (Y/N): _____

Custody Sealed Cooler (Y/N): _____

Samples Intact (Y/N): _____

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

	Document Name: Sample Condition Upon Receipt Form	Document Revised: 14Nov2019 Page 1 of 1
	Document No.: F-MN-L-213-rev.30	Pace Analytical Services - Minneapolis

Sample Condition Upon Receipt **Client Name:** Bay West **Project #:** **WO# : 10500999**
Courier: Fed Ex UPS USPS Client
 Pace SpeedDee Commercial See Exceptions

Tracking Number: _____
Custody Seal on Cooler/Box Present? Yes No **Seals Intact?** Yes No **Biological Tissue Frozen?** Yes No N/A
Packing Material: Bubble Wrap Bubble Bags None Other: _____ **Temp Blank?** Yes No
Thermometer: T1(0461) T2(1336) T3(0459) T4(0254) T5(0489) **Type of Ice:** Wet Blue None Dry Melted

Note: Each West Virginia Sample must have temp taken (no temp blanks)
 Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:** 2.0 °C **Average Corrected Temp (no temp blank only):** See Exceptions 1 Container
Correction Factor: +0.1 **Cooler Temp Corrected w/temp blank:** 2.1 °C

USDA Regulated Soil: (N/A, water sample/Other: _____) **Date/Initials of Person Examining Contents:** 8/11/27/19
 Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? Yes No Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No
If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

	COMMENTS:
Chain of Custody Present and Filled Out?	1. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Chain of Custody Relinquished?	2. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Sampler Name and/or Signature on COC?	3. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Samples Arrived within Hold Time?	4. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Short Hold Time Analysis (<72 hr)?	5. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Fecal Coliform <input type="checkbox"/> HPC <input type="checkbox"/> Total Coliform/E coli <input type="checkbox"/> BOD/cBOD <input type="checkbox"/> Hex Chrome <input type="checkbox"/> Turbidity <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Orthophos <input type="checkbox"/> Other
Rush Turn Around Time Requested?	6. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Sufficient Volume?	7. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Correct Containers Used?	8. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Containers Intact?	9. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Field Filtered Volume Received for Dissolved Tests?	10. <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Is sufficient information available to reconcile the samples to the COC?	11. Is sediment visible in the dissolved container? <input type="checkbox"/> Yes <input type="checkbox"/> No If no, write ID/ Date/Time on Container Below: See Exception <input type="checkbox"/>
Matrix: <input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil <input type="checkbox"/> Oil <input type="checkbox"/> Other	
All containers needing acid/base preservation have been checked?	12. Sample # <input type="checkbox"/> NaOH <input checked="" type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> Zinc Acetate 1-7:4/1
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH >12 Cyanide)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	Positive for Res. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No See Exception Chlorine? <input type="checkbox"/> No pH Paper Lot# Res. Chlorine 0-6 Roll 0-6 Strip 0-14 Strip <u>203609</u>
Extra labels present on soil VOA or WIDRO containers?	13. See Exception <input type="checkbox"/>
Headspace in VOA Vials (greater than 6mm)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Trip Blank Present?	14. Pace Trip Blank Lot # (if purchased): <u>235417 (2)</u>
Trip Blank Custody Seals Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** Yes No
 Person Contacted: _____ Date/Time: _____
 Comments/Resolution: _____

Project Manager Review: Oyeyemi Dijo **Date:** 12/2/19
 Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers).

40200189



Chain of Custody

Samples were sent directly to the Subcontracting Laboratory.

State Of Origin: WI
 Cert. Needed: Yes No

Workorder: 10500999 Workorder Name: J190928 Kitelinger Property Owner Received Date: 11/27/2019 Results Requested By: 12/13/2019

Report To	Subcontract To	Requested Analysis											
Oyeyemi Odujole Pace Analytical Minnesota 1700 Elm Street Suite 200 Minneapolis, MN 55414 Phone (612)607-6402	Pace Analytical Green Bay 1241 Bellevue Street Suite 9 Green Bay, WI 54302 Phone (920)469-2436	<div style="display: flex; justify-content: space-between;"> 6010/7470 RCRA metals 8260 VOC </div>											

JKL

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers				6010/7470 RCRA metals	8260 VOC										LAB USE ONLY
						HNO3-PP3N	HCl-VG9H														
1	SB-1-GW	PS	11/26/2019 09:20	10500999001	Water	1	3				X	X									001
2	SB-2-GW	PS	11/26/2019 09:40	10500999002	Water	1	3				X	X									002
3	SB-3-GW	PS	11/26/2019 10:00	10500999003	Water	1	3				X	X									003
4	SB-4-GW	PS	11/26/2019 10:55	10500999004	Water	1	3				X	X									004
5	SB-5-GW	PS	11/26/2019 11:35	10500999005	Water	1	3				X	X									005
6	SB-6-GW	PS	11/26/2019 12:15	10500999006	Water	1	3				X	X									006
7	Dup-GW	PS	11/26/2019 09:42	10500999007	Water	1	3				X	X									007
8	TB	PS	11/26/2019 00:00	10500999008	Water		2				X										008

Transfers					Comments				
Released By	Date/Time	Received By	Date/Time						
<i>[Signature]</i>	12/21/19 1505								
Waltco	12/31/19 0945	<i>[Signature]</i>	12/13/19 0945						

Cooler Temperature on Receipt 0.5 °C Custody Seal (Y) or N Received on Ice (Y) or N Samples Intact (Y) or N

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

Sample Preservation Receipt Form

Client Name: PACE - MN

Project # 40200189

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

Lab Lot# of pH paper: 1053581 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: [Signature]


Date/Time:

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

12/3/19
[Signature]

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

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

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: PACE - MN

Project #: _____

WO# : 40200159

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



Tracking #: 2263187

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

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

Packing Material: Bubble Wrap Bubble Bags None Other zip lock

Thermometer Used SR-90 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0 /Corr: 0.5

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 12/31/19
 Initials: JW

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	4. <u>IRaw</u> <u>12/31/19 JW</u>
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>lot # covered</u> <u>12/31/19 JW</u>
Pace Trip Blank Lot # (if purchased):		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 12/31/19