3) PARCEL 3 - 1720 TAYLOR AVE.

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September 9, 2020 Project Reference #19558

Sent via email: Nicole.Jurgens@racinecounty.com

Nicole Jurgens
Corporation Counsel – Legal Coordinator
Racine County
730 Wisconsin Avenue
Racine, WI 53403

Re: Phase II Environmental Site Assessment Report
Brannum Lumber Property
1720 Taylor Avenue, Racine, Wisconsin

Dear Ms. Jurgens:

The Sigma Group, Inc. (Sigma) was retained by Racine County to complete a Phase II Environmental Site Assessment (ESA) of the property at 1720 Taylor Avenue in Racine, Wisconsin (subject property). The objective of the Phase II ESA was to assess the condition of the subject property a Phase I Environmental Site Assessment (Phase I) report prepared by Kapur and Associates (Kapur) dated July 2020. Based on conversations with Mr. John Van Lieshout, Attorney at Law, we understand that the property is intended to be redeveloped as an at-grade parking lot in association with a planned juvenile care center.

Recognized environmental conditions (REC), as defined by the All Appropriate Inquiry (AAI) ASTM Standard E-1527-13, were not identified by Kapur at the subject property. However, based on Sigma's review of the Phase I ESA, additional assessment is recommended to evaluate potential environmental impacts associated with historic site use. Specifically, the following conditions were identified which may have impacted the property's soil or groundwater:

- The subject property was identified as having been the site of lumber operations since 1909. Historically, it is possible that wood treating or other processes involving chemical additives were performed at the subject property and/or that long-term storage of chemically treated wood occurred on-site. Possible on-site lumber treatment and/or storage of treated lumber may have impacted soil or groundwater at the subject property.

- The subject property has at least one razed building which could result in non-native fill material being present. Razed materials including brick, stone, wood and debris may be buried at the property. The presence of the materials may affect any redevelopment activities.

- A rail spur is present on the subject property and a railroad right-of-way exists

adjacent to the property. Railway corridors can be associated with impacts related to creosote railway ties; spills and releases from transported materials; and the historic use of chemicals to eliminate vegetation along the tracks.

BACKGROUND

The subject property is located at 1720 South Taylor Avenue in Racine, Wisconsin. The subject property is bounded by of 17th Street and residential properties along Boyd Avenue to the north, South Taylor Avenue to the east, a former railroad right-of-way to the south, and Holmes Avenue to the west. A former railroad right-of-way and industrial properties are located south of the site. Land use to the west of the site beyond Taylor Avenue is primarily industrial. A site plan of the subject property is illustrated on the attached **Figure 1**.

The site has low relief with an approximate surface elevation of 640 feet above Mean Sea Level (MSL). The topography slopes slightly towards storm drains located between the central subject property buildings and along adjacent roadways.

The subject property is approximately 2.78 acres improved with six buildings, which included the following:

- An office/showroom/warehouse building located on the northeast portion of the subject property.
- A garage building located at the intersection of Boyd Avenue and the subject property boundary
- A shop building in the central area of the site.
- An open-sided storage building located along the alley running parallel to 17th Street.
- A storage building located in the northwest portion of the subject property.
- An open-sided storage building which was formerly a line shed located along the former rail spur near the southern property boundary.

A small building was noted southwest of the intersection of South Taylor Avenue 1908 Sanborn fire insurance map. A larger building is shown in the 1955 aerial photograph in the northeast area of the site. According the owner interview presented in the Phase I ESA, a fire destroyed the building in the northeast corner of the site in 1967. Based on the date of the fire, it is unlikely that per- and polyfluorinated compound-containing firefighting foam was used to extinguish the fire. The burned building was replaced with the current office/showroom building in 1968 and expanded in 1970 to include the attached warehouse.

At the time of the Phase II activities, the westernmost outside lumber storage building shown on **Figure 1** near soil boring GP-12 had been demolished and was no longer present during the site assessment field activities.

PROCEDURES

On August 25, 2020, Sigma personnel accessed the subject property to complete the Phase II ESA sampling activities. Fifteen (15) soil borings were advanced (GP-1 through GP-15) at the following locations on the subject property:

- GP-1: Located in the asphalt parking lot in the northeast area of the subject property near the building noted on the 1908 Sanborn fire insurance map and the former

building shown on the 1955 aerial photo. Per the Phase I ESA report by Kapur, a fire destroyed the building shown in the 1955 aerial photo.

- GP-2: Located east of the office/showroom building in the area of the former building destroyed by fire in 1967.
- GP-3: Near the eastern end of the open-sided storage building/former line shed near what appear to be loading docks.
- GP-4: Near the back door of the office/showroom building.
- GP-5: Near the rear overhead door of the warehouse.
- GP-6: Located at the rear of the shop building.
- GP-7: Located in a minor low-lying area outside of the open-sided storage building.
- GP-8: located at the western end of the demolished storage building and within 10 feet of the former rail spur.
- GP-9: Located outside a door of the storage building located along Holmes Avenue.
- GP-10: Located outside a door of the storage building located along Holmes Avenue.
- GP-11: Located in an open grassy area near some observed minor wood and metal debris.
- GP-12: Located south of the former rail spur and near the location of the demolished storage building.
- GP-13, GP-14, GP-15: Located south of the open-sided storage building/former line shed and along the former railroad right-of-way.

The soil borings were advanced to a depth between approximately 15 and 20 feet below ground surface (bgs) using hydraulic-push technology (i.e. Geoprobe) and power-driven sampling spoons. Single-use disposable acetate liners were placed in each spoon advanced to the boring termination depth. The liner was extracted from the spoon and cut open to retrieve the sample. The soil samples were collected continuously from the ground surface to the boring termination depth and described based on grain size, color, stiffness or density, and other relevant characteristics, and classified in general accordance with the Unified Soil Classification System (USCS). Each of the soil samples were field screened by visual and olfactory observations and by using a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp to semi-qualitatively assess the presence of volatile organic compounds (VOCs). The PID field screening results were recorded on the soil boring logs.

Soil samples selected for laboratory analysis (soil interval with highest PID readings within each soil boring, or based on observed fill material or observed water table interface) were placed in appropriate containers provided by the contracted laboratory and stored on ice pending analysis. One soil sample per soil boring was submitted under chain-of-custody control to Synergy Environmental Lab, Inc. (Synergy) in Appleton, Wisconsin for analysis of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and RCRA metals.

Following the completion of soil sampling activities, soil borings GP-2, GP-5, GP-8, GP-10, and GP-14 were completed as small-diameter groundwater monitoring wells. Each of the soil borings not completed as a monitoring well was abandoned with bentonite chips. The soil boring logs, abandonment forms, and well construction forms are provided as **Appendix A, B, and C**. The approximate locations of the soil borings are illustrated on **Figure 1.**

Sigma personnel returned to the site on August 26, 2020 to record depth-to-groundwater measurements and collect grab groundwater samples from small-diameter groundwater monitoring wells GP-2, GP-5, GP-8, GP-10, and GP-14. Groundwater samples were collected for laboratory analysis using a peristaltic pump with new tubing for SVOCs and RCRA metals and a new disposable bailer for VOCs. A duplicate, trip blank, and equipment blank were also submitted for analysis of VOCs as a QA/QC measure. Please note that in the interest of obtaining analytical results on time to maintain the project schedule, small-diameter wells were not purged prior to sampling due to the presence of clayey soils, which often limit the rate of water level recovery to monitoring wells.

FIELD OBSERVATIONS AND CONDITIONS

Soils encountered at the site generally consisted of a thin layer of topsoil, engineered fill, and/or suspected non-native fill material consisting of dark brown and black silty sand with trace black lustrous fragments near the former rail spur overlying native silty clay across the Site. Engineered fill consisting of silty gravel was encountered at soil borings GP-1, GP-2, GP-6, GP-7, GP-8, and GP-11. Suspected non-native fill material was identified at soil borings GP-7 (1.25 to 4.5 feet bgs), GP-8 (0.5 to 2 feet bgs), GP-9 (0.75 to 2 feet bgs), and GP-12 (0.4 to 1.5 feet bgs).

PID soil screening results are presented on the attached soil boring logs. PID readings for soil samples collected from the soil borings were less than two PID units. Staining or unusual odors were not observed during advancement of the soil borings or collection of the soil samples.

The depth to groundwater was measured at approximately 4 feet bgs at small-diameter monitoring well GP-8 and approximately 16 feet at GP-14. Groundwater monitoring wells GP-2, GP-5, and GP-10 were found to by dry, likely due to the fine-grained (silty clay) soil observed at the site. Slow recovery for newly installed wells in similar soils is common. Due to the fine-grained soils encountered at the soil boring locations, the depth to groundwater at the subject property is unclear.

LABORATORY ANALYTICAL RESULTS

A summary of the soil analytical results is included in **Table 1**. Soil results were compared to NR 720, Wisconsin Administrative Code (WAC), Residual Contaminant Levels (RCLs), which are the Wisconsin regulatory levels for soil. The groundwater analytical results are summarized in **Table 2**. Groundwater analytical results were compared to NR 140 Enforcement Standards (ESs) and Preventative Action Limits (PALs). The laboratory analytical report and chain-of-custody documentation is provided as **Appendix D**.

<u>Soil</u>

One discrete soil sample from each soil boring was submitted to Synergy Environmental Lab, Inc. (Synergy) in Appleton, Wisconsin for analysis of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and RCRA metals. In absence of extensive soil staining or unusual odors, the soil samples submitted for laboratory analysis were collected near the apparent soil-groundwater interface or at other depths considered most likely to reveal environmental impacts, if present.

VOCs

Detections of VOCs were not reported at concentrations greater than the laboratory limit of detection (LOD) with the exception of naphthalene and p-isopropyltoluene within soil sample GP-7 (2 to 4 feet bgs). Please note that the detections of naphthalene and p-isopropyltoluene were reported at concentrations between the LOD and limit of quantification (LOQ). The VOC soil analytical results indicate that VOCs are not likely widespread or present at elevated concentrations at the subject property

SVOCs

Detections of SVOCs were reported at concentrations above the laboratory LOD within all soil samples submitted for laboratory analysis during the Phase II ESA. The SVOC constituent dimethyl phthalate was detected within each submitted soil sample. However, dimethyl phthalate was also detected within the laboratory QA/QC blank, suggesting that is a ubiquitous compound that can easily contaminate soil samples. Based on a discussion with the project laboratory, it is likely that dimethyl phthalate detections are the result of sample handling procedures. Specifically, Synergy suspected that nitrile gloves and Ziploc bags may contribute to the dimethyl phthalate and phenol detections reported.

The SVOC constituent phenol was detected at concentrations greater than its LOD but less than its LOQ within soil samples GP-1 (8 to 10 feet bgs), GP-2 (8 to 10 feet bgs), GP-3 (2 to 4 feet bgs), GP-6 (4 to 6 feet bgs), GP-7 (2 to 4 feet bgs), GP-8 (1 to 3 feet bgs), GP-9 (2 to 4 feet bgs), GP-10 (1 to 3 feet bgs), GP-11 (4 to 6 feet bgs), and GP-14 (4 to 6 feet bgs). The compound phenol is commonly used in the manufacture of plywood, so it is possible that the detections are the result of the former lumber operations at the subject property. However, the low concentrations detected (less than the LOQ) suggest that the impacts are low-level.

The SVOC constituent pyridine was detected at a concentration greater than its NR 720 RCL for the groundwater pathway within soil sample GP-7 (2 to 4 feet bgs). Pyridine is used in paints, dyes, rubber products, adhesives, insecticides, and herbicides which could have been used at the subject property. Pyridine can also be formed by the breakdown of natural materials in the environment. Regardless of its source, the detection of pyridine was at a low-level (less than the LOQ) and was not found to be widespread at the site.

In addition to the dimethyl phthalate, phenol, and pyridine detections described above, polycyclic aromatic hydrocarbon (a subset of SVOC compounds) constituents acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(ghi)perylene, benzo(k)fluoranthene, chrysene, dibenzofuran, dibenzo(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, 1-methylnaphthalene, 2-methylnaphthalene, naphthalene, phenanthrene, and/or pyrene were detected with soil samples GP-1 (8 to 10 feet bgs), GP-7 (2 to 4 feet bgs), and GP-8 (2 to 4 feet bgs). The detected SVOC constituents were reported at concentrations less than the LOQ within soil sample GP-1 (8 to 10 feet bgs). Concentrations of benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and/or dibenzo(a,h)anthracene, were detected at concentrations greater that NR 720 RCLs for the groundwater pathway and direct contact at non-industrial sites. The NR 720 RCL exceedances are likely associated with the suspected non-native fill material observed at soil borings GP-7 and GP-8.

RCRA Metals

Concentrations of Selenium exceeding the NR 720 RCL for the groundwater pathway were detected at soil borings GP-1, GP-2, GP-3, GP-6, GP-7, GP-8, GP-11, GP-12, GP-13, GP-14, and GP-15. Concentrations of Selenium similar to those reported are common in southeastern Wisconsin and therefore the slightly elevated concentrations are likely naturally occurring.

Detections of Arsenic at concentrations exceeding its groundwater pathway, non-industrial direct contact, industrial direct contact RCL, and background threshold value (BTV) for southeastern Wisconsin were reported within soil samples GP-7 (2 to 4 feet bgs) and GP-12 (2 to 4 feet bgs). The elevated concentrations appear to be related to the suspected non-native fill material present at those locations.

Detections of Lead at concentrations exceeding its groundwater pathway and BTV for southeastern Wisconsin were reported within soil samples GP-3 (2 to 4 feet bgs), GP-7 (2 to 4 feet bgs), and GP-8 (1 to 3 feet bgs). The elevated concentrations detected at soil borings GP-7 and GP-8 are likely associated with the observed suspected non-native fill material. The concentration of Lead detected within soil boring GP-7 (2 to 4 feet bgs) was reported as 331 milligrams per kilogram (mg/kg), which is greater than 20 times the the hazardous standard of 5 parts per million (ppm) and indicates that the lead-impacted soil may be characteristically hazardous.

Concentrations of Cadmium and Mercury exceeding their respective groundwater pathway RCLs were also reported within soil sample GP-7 (2 to 4 feet bgs). The elevated Cadmium and Mercury concentrations are likely associated with the observed suspected non-native fill material.

Groundwater

For screening purposes, the grab groundwater sample results were compared to NR 140 standards. A summary of the results follows.

VOCs

Concentrations of VOCs were not reported at concentrations greater than the laboratory LOD. The trip blank and equipment blank samples did not contain VOCs at concentrations greater than the LOD. Similar to the results for the groundwater sample submitted from GP-14, the duplicate sample collected at GP-14 did not contain VOCs at concentrations greater than the LOD.

SVOCs

Concentrations of SVOC constituents dimethyl phthalate and di-n-butyl phthalate were reported at low levels, but are assumed to reflect low-level contamination of groundwater samples during collection or laboratory handling.

RCRA Metals

RCRA metals constituents Arsenic, Lead, and Mercury were detected at concentrations exceeding their respective PALs within the groundwater samples collected at GP-14. However, each of the reported concentrations were less than the LOQ, making them non-valid PAL exceedances. Please note that although the groundwater samples for RCRA metals

analysis were filtered, due to the wells not being developed or purged prior to the collection of grab groundwater samples, it is possible that turbidity or sediment may have positively biased the sample analytical results.

CONCLUSIONS

Visual and olfactory field screening of the subsurface completed at the time of the Phase II revealed no apparent VOC impacts at the soil boring locations. Staining and odors generally indicative of impacted soils were not observed. Low level PID readings (less than two PID instrument units) were observed during the collection of soil samples at the boring locations. Suspected non-native fill materials were observed at the locations of soil borings GP-7, GP-8, GP-9, and GP-12.

Laboratory analytical results for soil samples indicate that soil on the subject property has been impacted with naphthalene, p-isopropyltoluene, SVOCs, and RCRA metals in areas where suspected non-native fill material was observed. A summary of the findings is as follows:

- VOC soil impacts were limited to low-level detections of naphthalene and p-isopropyltoluene within soil sample GP-7 (2 to 4 feet bgs). No other VOC detections were reported.

- SVOC impacts were reported at concentrations greater than NR 720 RCLs within soil samples GP-7 (2 to 4 feet bgs) and GP-8 (1 to 3 feet bgs). Low-level SVOCs were also reported within soil sample GP-1 (8 to 10 feet bgs), however the concentrations were less than NR 720 RCLs. Detections of dimethyl phthalate and/or phenol were reported for each of soil samples collected during the Phase II ESA, however it is likely that these detections are the result of field or laboratory sample handling procedures.

- RCRA metals were detected at concentrations greater than NR 720 RCLs for the groundwater pathway within soil samples submitted from GP-1, GP-2, GP-3, GP-6, GP-7, GP-8, GP-11, GP-12, GP-13, GP-14, and GP-15. RCRA metals were detected at elevated concentrations which exceed the NR 720 RCLs for direct contact at soil borings GP-7 and GP-8.

- VOCs were not detected within the grab groundwater samples collected from small-diameter monitoring wells GP-8 and GP-14.

- SVOC constituents Concentrations of SVOC constituents dimethyl phthalate and di-n-butyl phthalate were reported at low levels, but are assumed to reflect low-level contamination of groundwater samples during collection or laboratory handling.

- RCRA metals constituents Arsenic, Lead, and Mercury were detected at concentrations exceeding their respective PALs within the grab groundwater samples collected at GP-14. However, each of the reported concentrations

were less than the LOQ, making them non-valid PAL exceedances. Please note that due to the wells not being developed or purged prior to the collection of grab groundwater samples, it is possible that turbidity or sediment may have positively biased the sample analytical results.

- It appears that the low-level SVOC and RCRA metals soil impacts are present within the area near the former rail spur, which was also observed to contain suspected non-native fill material.

- Based on a limited groundwater assessment, low-level RCRA metals impacts were identified within the grab groundwater sample collected at small-diameter monitoring well GP-14. However, the reported concentrations did not exceed NR 140 PALs, indicating that groundwater is likely not significantly impacted at the subject property.

RECOMMENDATIONS

Based on the information collected by Sigma during the completion of the soil fill assessment activities, we recommend the following:

- In compliance with the Wisconsin's "Spill Law", ss. 292.11, Wisconsin Statutes, a release notification is required for the detections of VOC constituents naphthalene and p-isopropyltoluene, SVOC constituents dimethyl phthalate, phenol, pyridine, acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(ghi)perylene, benzo(k)fluoranthene, chrysene, dibenzofuran, dibenzo(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, 1-methylnaphthalene, 2-methylnaphthalene, naphthalene, phenanthrene, and/or pyrene and RCRA metals within soil at concentrations greater than laboratory detection limits. Sigma can assist with the release reporting process, if requested.

- Sigma recommends advancing an additional two soil borings to vertically delineate the suspected fill-related soil impacts near GP-7. One soil boring is recommended adjacent to GP-7 and the second is recommended between GP7 and GP-8. Sigma recommends that two soil samples be collected and submitted from each soil boring for laboratory analysis of VOCs, PAHs, and RCRA metals: one shallow soil sample from the suspected non-native fill material and a deeper sample from the native material will allow an evaluation of the vertical distribution of the identified impacts. Sigma also recommends that a toxicity characteristic leaching procedure (TCLP) sample be collected from the 2- to 4-foot interval near soil boring GP-7 and analyzed for leachable lead to determine whether it exhibits a hazardous characteristic. Sigma also recommends that the soil boring adjacent to GP-7 be completed as a small-diameter groundwater monitoring well to evaluate whether the soil impacts identified at GP-7 have impacted shallow groundwater in that area.

- Due to the presence of non-native fill materials, a request for exemption to NR 506.085 must be submitted to WDNR to redevelop the site. The character and extent

of the fill material would be further defined during Sigma's recommended supplemental sampling near soil boring GP-7.

- If any suspect materials are identified during earthworks activities in the future, Sigma is available to assist with characterization and assistance with proper on-site reuse and/or off-site disposal options.

- Remediation to address the potential direct contact and groundwater pathway risk associated with low-level impacts impacted soil at concentrations greater than NR 720 RCLs is recommended. Potential remedial strategies such as capping and/or excavation and disposal may be incorporated into the proposed site development.

GENERAL QUALIFICATIONS

This report was prepared under the constraint of cost, time, and scope of work, and reflects an assessment and evaluation that is based on data collected from potential areas of concern at the time of the evaluation. Our assessment was performed using the degree of care and skill ordinarily exercised, under similar circumstances, by professional consultants practicing in this or similar localities. No other warranty or guarantee, expressed or implied, is made as the conclusions and professional advice included in this report.

The findings of this report are valid as of the present date of the assessment. However, changes in the conditions of a property can occur with the passage of time, whether due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation, from the broadening of knowledge, or from other reasons. Accordingly, the findings of this report may be invalid wholly or partially by changes outside our control.

A subsurface exploration was performed and is presented in this report. However, subsurface exploration cannot totally reveal what is below the surface. Depending upon the sampling method and frequency, every soil condition may not be observed, and some materials or layers, which are present in the subsurface, may not be noted.

This report is issued with understanding that it is the responsibility of the owner(s) to ensure that the information and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, if warranted.

CLOSING

We appreciate the opportunity to provide environmental assessment services to Racine County. Please feel free to contact us to discuss our findings and recommendations presented in this report. Sigma is prepared to assist you with the release notification activities, if requested.

Sincerely,

THE SIGMA GROUP, INC.

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List of Attachments:

FIGURE

THE SIGMA GROUP
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PHASE II ESA SITE PLAN MAP

BRANNUM LUMBER PROPERTY
1720 TAYLOR AVENUE
RACINE, WISCONSIN

FIGURE
1

Project: 19558 | Directory: CAD/ENV | Filename: 19558_Master_Map_horizontal 11x17.ai | Created By: JJK | Date: 9/2/2020

TABLES

Table 1
Soil Analytical Results
Brannum Lumber Property - 1720 Taylor Avenue, Racine, Wisconsin
Sigma Project No. 19558

Soil Sample Location:		GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	GP-7	GP-8	GP-9	GP-10	GP-11	GP-12	GP-13	GP-14	GP-15	Groundwater Pathway RCL [4]	Non-Industrial Direct Contact RCL [5]	Industrial Direct Contact RCL [6]	Background Threshold Value [7]
Sample Depth (feet bgs):		8 - 10	8 - 10	2 - 4	8 - 10	4 - 6	4 - 6	2 - 4	1 - 3	2 - 4	1 - 3	4 - 6	2 - 4	4 - 6	4 - 6	4 - 6				
Sample Collection Date:		8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20				
Depth to Groundwater (feet bgs):																				
Native Soil (N) or Fill / Reworked Soil (F):		N	N	N	N	N	N	F	F/N	N	F/N	N	N	N	N	N				
Unsaturated/Smear Zone (U) or Saturated (S):		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
Photoionization Detector	ppm	0.8	0.1	0.6	0.5	0.5	0.5	0.6	0.9	0.6	0.6	0.6	0.7	1.2	1.3	1.3	NS	NS	NS	NS
VOCs																				
Benzene	mg/kg	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.0051	1.6	7.07	NS
Bromobenzene	mg/kg	<0.045	<0.045	<0.045	<0.045	<0.045	<0.045	<0.045	<0.045	<0.045	<0.045	<0.045	<0.045	<0.045	<0.045	<0.045	NS	342	679	NS
Bromodichloromethane	mg/kg	<0.076	<0.076	<0.076	<0.076	<0.076	<0.076	<0.076	<0.076	<0.076	<0.076	<0.076	<0.076	<0.076	<0.076	<0.076	0.0003	0.418	1.83	NS
Bromoform	mg/kg	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	0.0023	25.4	113	NS
tert-Butylbenzene	mg/kg	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	NS	183	183	NS
sec-Butylbenzene	mg/kg	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	NS	145	145	NS
n-Butylbenzene	mg/kg	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	NS	108	108	NS
Carbon tetrachloride	mg/kg	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	0.0039	0.916	4.03	NS
Chlorobenzene	mg/kg	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	NS	370	761	NS
Chloroethane	mg/kg	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	0.2266	NS	NS	NS
Chloroform	mg/kg	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	0.0033	0.454	1.98	NS
Chloromethane	mg/kg	<0.088	<0.088	<0.088	<0.088	<0.088	<0.088	<0.088	<0.088	<0.088	<0.088	<0.088	<0.088	<0.088	<0.088	<0.088	0.0155	159	669	NS
2-Chlorotoluene (,o-)	mg/kg	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	NS	907	907	NS
4-Chlorotoluene (,p-)	mg/kg	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	NS	253	253	NS
1,2-Dibromo-3-chloropropane	mg/kg	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	0.0002	0.008	0.092	NS
Dibromochloromethane	mg/kg	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	0.032	8.28	38.9	NS
1,4-Dichlorobenzene	mg/kg	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	0.144	3.74	16.4	NS
1,3-Dichlorobenzene	mg/kg	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	1.1528	297	297	NS
1,2-Dichlorobenzene	mg/kg	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	1.168	376	376	NS
Dichlorodifluoromethane	mg/kg	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	3.0863	126	530	NS
1,2-Dichloroethane	mg/kg	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	0.0028	0.652	2.87	NS
1,1-Dichloroethane	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.4834	5.06	22.2	NS
1,1-Dichloroethene	mg/kg	<0.073	<0.073	<0.073	<0.073	<0.073	<0.073	<0.073	<0.073	<0.073	<0.073	<0.073	<0.073	<0.073	<0.073	<0.073	0.005	320	1,190	NS
cis-1,2-Dichloroethene	mg/kg	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	0.0412	156	2,340	NS
trans-1,2-Dichloroethene	mg/kg	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	0.0626	1,560	1,850	NS
1,2-Dichloropropane	mg/kg	<0.069	<0.069	<0.069	<0.069	<0.069	<0.069	<0.069	<0.069	<0.069	<0.069	<0.069	<0.069	<0.069	<0.069	<0.069	0.0033	3.4	15	NS
1,3-Dichloropropane	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NS	1,490	1,490	NS
trans-1,3-Dichloropropene	mg/kg	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	0.0001	1,510	1,510	NS
cis-1,3-Dichloropropene	mg/kg	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	0.0001	1,210	1,210	NS
Di-isopropyl Ether	mg/kg	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	NS	2,260	2,260	NS
EDB (1,2-Dibromoethane)	mg/kg	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	0.0000282	0.05	0.221	NS
Ethylbenzene	mg/kg	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	1.57	8.02	35.4	NS
Hexachlorobutadiene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NS	1.63	7.19	NS
Isopropylbenzene	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NS	NS	NS	NS
p-Isopropyltoluene	mg/kg	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	0.0313 J	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	NS	162	162	NS
Methylene chloride	mg/kg	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.0026	61.8	1,150	NS
Methyl-tert-butyl-ether	mg/kg	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	0.027	63.8	282	NS
Naphthalene	mg/kg	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	0.276 J	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	0.6582	5.52	24.1	NS
n-Propylbenzene	mg/kg	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	NS	264	264	NS
1,1,2,2-Tetrachloroethane	mg/kg	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0002	0.81	3.6	NS
1,1,1,2-Tetrachloroethane	mg/kg	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	0.0534	2.78	12.3	NS
Tetrachloroethene (PCE)	mg/kg	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.0045	33	145	NS
Toluene	mg/kg	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	1.1072	818	818	NS
1,2,4-Trichlorobenzene	mg/kg	<0.087	<0.087	<0.087	<0.087	<0.087	<0.087	<0.087	<0.087	<0.087	<0.087	<0.087	<0.087	<0.087	<0.087	<0.087	1.1072	24	113	NS
1,2,3-Trichlorobenzene	mg/kg	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	NS	62.6	934	NS
1,1,1-Trichloroethane	mg/kg	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	0.1402	640	640	NS
1,1,2-Trichloroethane	mg/kg	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0.0032	1.59	7.01	NS
Trichloroethene (TCE)	mg/kg	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	0.0036	1.3	8.41	NS
Trichlorofluoromethane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NS	1,230	1,230	NS
1,2,4-Trimethylbenzene	mg/kg	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	1.3787	219	219	NS
1,3,5-Trimethylbenzene	mg/kg	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017		182	182	NS
Vinyl Chloride	mg/kg	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	0.0001	0.067	2.08	NS
Xylenes (total)	mg/kg	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	3.96	260	260	NS
RCRA Metals																				
Arsenic	mg/kg	3.59 *	2.56 *	5.84 *	3.81 *	4.4 *	4.67 *	{[127]}	6.01 *	7.33 *	4.05 *	2.58 *	{[10.4]}	2.02 *	3.02 *	<0.66	0.584	0.677	3	8
Barium	mg/kg	71.2	34	60.9	35.2	55.9	40.7	126	65.4	84.8	66.5	34.8	41.8	48	39.1	41.1	164.8	15,300	100,000	364
Cadmium	mg/kg	<0.08	<0.08	0.49	<0.08	<0.08	<0.08	5.23	0.706	0.351	0.202 J	<0.08	0.3	<0.08	<0.08	<0.08	0.752	71.1	985	1
Chromium	mg/kg	25.7	18.6	27	21.8	22	22.6	29.4	25.4	31.8	28.4	19.6	20	21	19.8	21.1	360,000	NS	NS	44
Lead	mg/kg	7.03	7.52	70.2	7.9	6.79	8.36	331	155	13.3	11.2	13.4	22.4	6.37	6.66	7.25	27	400	800	52
Mercury	mg/kg	0.026 J	0.023 J	0.030 J	0.019	0.0192	0.019	0.213	0.067	0.053 J	0.036 J	<0.019	0.040 J	0.019	<0.019	<0.019	0.208	3.13	3.13	NS
Selenium	mg/kg	0.736 J	1.38 J	0.893 J	<0.52	<0.52	0.796 J	2.81	2.08	<0.52	<0.52	1.58 J	2.11	1.22 J	1.97	0.985 J	0.52	391	5,840	NS
Silver	mg/kg	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	0.8491	391	5,840	NS

Notes:
1. Unsaturated/smear zone versus saturated soil conditions based on: (1) measured water levels in adjacent/nearby monitoring wells, or (2) soil moisture conditions recorded on soil boring logs during drilling.
2. Analytical units: mg/kg = milligrams per kilogram (equivalent to parts per million, ppm)
3. NA = not analyzed NS = no standard established
4. Groundwater Pathway RCL = Residual Contaminant Level for protection of groundwater (dilution factor of 2) as presented on the WDNR's RCL Spreadsheet (dated December 2018) referenced in WDNR guidance document PUB-RR-890 "Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator", dated June 2014.
5. Non-Industrial Direct Contact RCL = Residual Contaminant Level for protection of direct contact at a non-industrial property as presented on the WDNR's RCL Spreadsheet (dated December 2018) with default input parameters as referenced in WDNR guidance document PUB-RR-890 "Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator", dated June 2014.
6. Industrial Direct Contact RCL = Residual Contaminant Level for protection of direct contact at an industrial property as presented on the WDNR's RCL Spreadsheet (dated December 2018) with default input parameters as referenced in WDNR guidance document PUB-RR-890 "Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator", dated June 2014.
7. Background Threshold Value = Non-outlier trace element maximum levels in Wisconsin surface soils from USGS report "Distribution and Variation of Arsenic in Wisconsin Surface Soils, With Data on Other Trace Elements" (revised February 2013).
8. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
9. Exceedances: **BOLD** = Concentration exceeds Groundwater Pathway RCL
[ ] = Concentration exceeds Non-Industrial Direct Contact RCL (any depth)
{ } = Concentration exceeds Industrial Direct Contact RCL (any depth)
* = Concentration is below Background Threshold Value so RCL exceedances are not marked
10. Detected Compounds are shaded:

Data entered / updated by: KL Date: 9/3/2020
Data checked by: JJK Date: 9/3/2020

Table 1
Soil Analytical Results
Brannum Lumber Property - 1720 Taylor Avenue, Racine, Wisconsin
Sigma Project No. 19558

Soil Sample Location:		GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	GP-7	GP-8	GP-9	GP-10	GP-11	GP-12	GP-13	GP-14	GP-15	Groundwater Pathway RCL [4]	Non-Industrial Direct Contact RCL [5]	Industrial Direct Contact RCL [6]	Background Threshold Value [7]
Sample Depth (feet bgs):		8 - 10	8 - 10	2 - 4	8 - 10	4 - 6	4 - 6	2 - 4	1 - 3	2 - 4	1 - 3	4 - 6	2 - 4	4 - 6	4 - 6	4 - 6				
Sample Collection Date:		8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20	8/25/20				
Depth to Groundwater (feet bgs):																				
Native Soil (N) or Fill / Reworked Soil (F):		N	N	N	N	N	N	F	F/N	N	F/N	N	N	N	N	N				
Unsaturated/Smear Zone (U) or Saturated (S):		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U				
Photoionization Detector	ppm	0.8	0.1	0.6	0.5	0.5	0.5	0.6	0.9	0.6	0.6	0.6	0.7	1.2	1.3	1.3	NS	NS	NS	NS
Semi Volatiles																				
Acetophenone	mg/kg	<0.0342	<0.0342	<0.0342	<0.0342	<0.0342	<0.0342	<0.0342	<0.0342	<0.0342	<0.0342	<0.0342	<0.0342	<0.0342	<0.0342	<0.0342	NS	NS	NS	NS
Acenaphthene	mg/kg	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	0.128	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	NS	3,590	45,200	NS
Acenaphthylene	mg/kg	<0.0261	<0.0261	<0.0261	<0.0261	<0.0261	<0.0261	0.056 J	<0.0261	<0.0261	<0.0261	<0.0261	<0.0261	<0.0261	<0.0261	<0.0261	NS	NS	NS	NS
Anthracene	mg/kg	<0.0151	<0.0151	<0.0151	<0.0151	<0.0151	<0.0151	0.296	0.074	<0.0151	<0.0151	<0.0151	<0.0151	<0.0151	<0.0151	<0.0151	196.9492	17,900	100,000	NS
Benzo(a)anthracene	mg/kg	0.0183 J	<0.0148	<0.0148	<0.0148	<0.0148	<0.0148	1.09	0.32	<0.0148	<0.0148	<0.0148	<0.0148	<0.0148	<0.0148	<0.0148	NS	1.14	20.8	NS
Benzo(a)pyrene	mg/kg	0.0167 J	<0.0149	<0.0149	<0.0149	<0.0149	<0.0149	[1.09]	[**0.304**]	<0.0149	<0.0149	<0.0149	<0.0149	<0.0149	<0.0149	<0.0149	0.47	0.115	2.11	NS
Benzo(b)fluoranthene	mg/kg	0.0245 J	<0.02	<0.02	<0.02	<0.02	<0.02	[1.32]	0.37	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.4781	1.15	21.1	NS
Benzo(ghi)perylene	mg/kg	<0.0209	<0.0209	<0.0209	<0.0209	<0.0209	<0.0209	0.46	0.122	<0.0209	<0.0209	<0.0209	<0.0209	<0.0209	<0.0209	<0.0209	NS	NS	NS	NS
Benzo(k)fluoranthene	mg/kg	<0.0137	<0.0137	<0.0137	<0.0137	<0.0137	<0.0137	0.35	0.117	<0.0137	<0.0137	<0.0137	<0.0137	<0.0137	<0.0137	<0.0137	NS	11.5	211	NS
Benzyl Alcohol	mg/kg	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	NS	6,320	82,100	NS
Butyl benzyl phthalate	mg/kg	<0.0265	<0.0265	<0.0265	<0.0265	<0.0265	<0.0265	<0.0265	<0.0265	<0.0265	<0.0265	<0.0265	<0.0265	<0.0265	<0.0265	<0.0265	NS	286	1,210	NS
Bis(2-chloroethoxy)methane	mg/kg	<0.0216	<0.0216	<0.0216	<0.0216	<0.0216	<0.0216	<0.0216	<0.0216	<0.0216	<0.0216	<0.0216	<0.0216	<0.0216	<0.0216	<0.0216	NS	190	2,460	NS
Bis(2-chloroethyl)ether	mg/kg	<0.0554	<0.0554	<0.0554	<0.0554	<0.0554	<0.0554	<0.0554	<0.0554	<0.0554	<0.0554	<0.0554	<0.0554	<0.0554	<0.0554	<0.0554	NS	0.286	1.29	NS
Bis(2-chloroisopropyl)ether	mg/kg	<0.0183	<0.0183	<0.0183	<0.0183	<0.0183	<0.0183	<0.0183	<0.0183	<0.0183	<0.0183	<0.0183	<0.0183	<0.0183	<0.0183	<0.0183	NS	NS	NS	NS
Bis(2-ethylhexyl)phthalate	mg/kg	<0.0898	<0.0898	<0.0898	<0.0898	<0.0898	<0.0898	<0.0898	<0.0898	<0.0898	<0.0898	<0.0898	<0.0898	<0.0898	<0.0898	<0.0898	NS	38.8	164	NS
4-Bromophenylphenyl ether	mg/kg	<0.0249	<0.0249	<0.0249	<0.0249	<0.0249	<0.0249	<0.0249	<0.0249	<0.0249	<0.0249	<0.0249	<0.0249	<0.0249	<0.0249	<0.0249	NS	NS	NS	NS
4-Chloro-3-methylphenol	mg/kg	<254	<254	<254	<254	<254	<254	<254	<254	<254	<254	<254	<254	<254	<254	<254	NS	NS	NS	NS
2-Chloronaphthalene	mg/kg	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	NS	NS	NS	NS
2-Chlorophenol	mg/kg	<0.0236	<0.0236	<0.0236	<0.0236	<0.0236	<0.0236	<0.0236	<0.0236	<0.0236	<0.0236	<0.0236	<0.0236	<0.0236	<0.0236	<0.0236	NS	391	5,840	NS
4-Chlorophenylphenyl ether	mg/kg	<0.0193	<0.0193	<0.0193	<0.0193	<0.0193	<0.0193	<0.0193	<0.0193	<0.0193	<0.0193	<0.0193	<0.0193	<0.0193	<0.0193	<0.0193	NS	NS	NS	NS
Chrysene	mg/kg	<0.196	<0.196	<0.196	<0.196	<0.196	<0.196	1.08	0.246	<0.196	<0.196	<0.196	<0.196	<0.196	<0.196	<0.196	0.1442	115	2,110	NS
o-Cresol	mg/kg	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	NS	3,060	30,800	NS
m & p-Cresol	mg/kg	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	NS	6,110	61,600	NS
Dibenzofuran	mg/kg	<0.0275	<0.0275	<0.0275	<0.0275	<0.0275	<0.0275	0.053 J	0.035 J	<0.0275	<0.0275	<0.0275	<0.0275	<0.0275	<0.0275	<0.0275	NS	73	1,040	NS
Dibenzo(a,h)anthracene	mg/kg	<0.0188	<0.0188	<0.0188	<0.0188	<0.0188	<0.0188	[**0.123**]	0.032 J	<0.0188	<0.0188	<0.0188	<0.0188	<0.0188	<0.0188	<0.0188	NS	0.115	2.11	NS
1,4-Dichlorobenzene	mg/kg	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	0.144	3.74	16.4	NS
1,3-Dichlorobenzene	mg/kg	<0.0199	<0.0199	<0.0199	<0.0199	<0.0199	<0.0199	<0.0199	<0.0199	<0.0199	<0.0199	<0.0199	<0.0199	<0.0199	<0.0199	<0.0199	1.1528	297	297	NS
1,2-Dichlorobenzene	mg/kg	<0.0245	<0.0245	<0.0245	<0.0245	<0.0245	<0.0245	<0.0245	<0.0245	<0.0245	<0.0245	<0.0245	<0.0245	<0.0245	<0.0245	<0.0245	1.168	376	376	NS
3,3'-Dichlorobenzidine	mg/kg	<0.0406	<0.0406	<0.0406	<0.0406	<0.0406	<0.0406	<0.0406	<0.0406	<0.0406	<0.0406	<0.0406	<0.0406	<0.0406	<0.0406	<0.0406	NS	1.21	5.11	NS
2,4-Dichlorophenol	mg/kg	<0.0512	<0.0512	<0.0512	<0.0512	<0.0512	<0.0512	<0.0512	<0.0512	<0.0512	<0.0512	<0.0512	<0.0512	<0.0512	<0.0512	<0.0512	NS	190	2,460	NS
Diethyl phthalate	mg/kg	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	NS	50,600	100,000	NS
Dimethyl phthalate	mg/kg	0.38	0.52	0.084 J	0.225	0.102	0.286	0.276	0.1	0.191	0.241	0.41	0.256	0.087	0.087	0.112	NS	NS	NS	NS
2,4-Dimethylphenol	mg/kg	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	<0.0241	NS	1,260	16,400	NS
Di-n-butyl phthalate	mg/kg	<0.139	<0.139	<0.139	<0.139	<0.139	<0.139	<0.139	<0.139	<0.139	<0.139	<0.139	<0.139	<0.139	<0.139	<0.139	NS	NS	NS	NS
2,4-Dinitrophenol	mg/kg	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	NS	126	1,640	NS
2,6-Dinitrotoluene	mg/kg	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	0.0001	0.363	1.54	NS
2,4-Dinitrotoluene	mg/kg	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	0.0001	1.74	7.37	NS
Di-n-octyl phthalate	mg/kg	<0.0244	<0.0244	<0.0244	<0.0244	<0.0244	<0.0244	<0.0244	<0.0244	<0.0244	<0.0244	<0.0244	<0.0244	<0.0244	<0.0244	<0.0244	NS	NS	NS	NS
Diphenylamine	mg/kg	<0.0281	<0.0281	<0.0281	<0.0281	<0.0281	<0.0281	<0.0281	<0.0281	<0.0281	<0.0281	<0.0281	<0.0281	<0.0281	<0.0281	<0.0281	NS	6,320	82,100	NS
Fluoranthene	mg/kg	0.033 J	<0.0173	<0.0173	<0.0173	<0.0173	<0.0173	2.62	0.6	<0.0173	<0.0173	<0.0173	<0.0173	<0.0173	<0.0173	<0.0173	88.8778	2,390	30,100	NS
Fluorene	mg/kg	<0.0293	<0.0293	<0.0293	<0.0293	<0.0293	<0.0293	0.125	<0.0293	<0.0293	<0.0293	<0.0293	<0.0293	<0.0293	<0.0293	<0.0293	14.8299	2,390	30,100	NS
Hexachlorobenzene	mg/kg	<0.0174	<0.0174	<0.0174	<0.0174	<0.0174	<0.0174	<0.0174	<0.0174	<0.0174	<0.0174	<0.0174	<0.0174	<0.0174	<0.0174	<0.0174	0.0252	0.303	1.08	NS
Hexachlorobutadiene	mg/kg	<0.0292	<0.0292	<0.0292	<0.0292	<0.0292	<0.0292	<0.0292	<0.0292	<0.0292	<0.0292	<0.0292	<0.0292	<0.0292	<0.0292	<0.0292	NS	1.63	7.19	NS
Hexachlorocyclopentadiene	mg/kg	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	NS	2.55	10.8	NS
Hexachloroethane	mg/kg	<0.0248	<0.0248	<0.0248	<0.0248	<0.0248	<0.0248	<0.0248	<0.0248	<0.0248	<0.0248	<0.0248	<0.0248	<0.0248	<0.0248	<0.0248	NS	2.52	11.1	NS
Indeno(1,2,3-cd)pyrene	mg/kg	<0.0327	<0.0327	<0.0327	<0.0327	<0.0327	<0.0327	0.43	0.107	<0.0327	<0.0327	<0.0327	<0.0327	<0.0327	<0.0327	<0.0327	NS	1.15	21.1	NS
Isophorone	mg/kg	<0.0309	<0.0309	<0.0309	<0.0309	<0.0309	<0.0309	<0.0309	<0.0309	<0.0309	<0.0309	<0.0309	<0.0309	<0.0309	<0.0309	<0.0309	NS	571	2,420	NS
1-Methylnaphthalene	mg/kg	<0.0216	<0.0216	<0.0216	<0.0216	<0.0216	<0.0216	0.082	0.068 J	<0.0216	<0.0216	<0.0216	<0.0216	<0.0216	<0.0216	<0.0216	NS	17.6	72.7	NS
2-Methylnaphthalene	mg/kg	<0.0234	<0.0234	<0.0234	<0.0234	<0.0234	<0.0234	0.062 J	0.073 J	<0.0234	<0.0234	<0.0234	<0.0234	<0.0234	<0.0234	<0.0234	NS	239	3,010	NS
2-Methyl-4,6-dinitrophenol	mg/kg	<0.0887	<0.0887	<0.0887	<0.0887	<0.0887	<0.0887	<0.0887	<0.0887	<0.0887	<0.0887	<0.0887	<0.0887	<0.0887	<0.0887	<0.0887	NS	NS	NS	NS
Naphthalene	mg/kg	<0.0207	<0.0207	<0.0207	<0.0207	<0.0207	<0.0207	0.091	0.036 J	<0.0207	<0.0207	<0.0207	<0.0207	<0.0207	<0.0207	<0.0207	0.6582	5.52	24.1	NS
2-Nitroaniline	mg/kg	<0.0256	<0.0256	<0.0256	<0.0256	<0.0256	<0.0256	<0.0256	<0.0256	<0.0256	<0.0256	<0.0256	<0.0256	<0.0256	<0.0256	<0.0256	NS	627	8,010	NS
3-Nitroaniline	mg/kg	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144	NS	NS	NS	NS
4-Nitroaniline	mg/kg	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	NS	27.1	115	NS
Nitrobenzene	mg/kg	<0.0415	<0.0415	<0.0415	<0.0415	<0.0415	<0.0415	<0.0415	<0.0415	<0.0415	<0.0415	<0.0415	<0.0415	<0.0415	<0.0415	<0.0415	NS	7.42	32.4	NS
2-Nitrophenol	mg/kg	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	NS	NS	NS	NS
4-Nitrophenol	mg/kg	<0.0761	<0.0761	<0.0761	<0.0761	<0.0761	<0.0761	<0.0761	<0.0761	<0.0761	<0.0761	<0.0761	<0.0761	<0.0761	<0.0761	<0.0761	NS	NS	NS	NS
n-Nitrosodimethylamine	mg/kg	<0.0254	<0.0254	<0.0254	<0.0254	<0.0254	<0.0254	<0.0254	<0.0254	<0.0254	<0.0254	<0.0254	<0.0254	<0.0254	<0.0254	<0.0254	NS	0.002	0.04	NS
n-Nitrosodi-n-propylamine	mg/kg	<0.0266	<0.0266	<0.0266	<0.0266	<0.0266	<0.0266	<0.0266	<0.0266	<0.0266	<0.0266	<0.0266	<0.0266	<0.0266	<0.0266	<0.0266	NS	0.078	0.328	NS
Pentachlorophenol (PCP)	mg/kg	<0.148	<0.148	<0.148	<0.148	<0.148	<0.148	<0.148	<0.148	<0.148	<0.148	<0.148	<0.148	<0.148	<0.148	<0.148	0.0028	1.02	3.97	NS
Phenanthrene	mg/kg	0.0206 J	<0.0179	<0.0179	<0.0179	<0.0179	<0.0179	1.48	0.4	<0.0179	<0.0179	<0.0179	<0.0179	<0.0179	<0.0179	<0.0179	NS	NS	NS	NS
Phenol	mg/kg	0.0269 J	0.03 J	0.0176 J	<0.0174	<0.0174	0.0245 J	0.042 J	0.0196 J	0.0181 J	0.0289 J	0.0282 J	<0.0174	<0.0174	0.0181 J	<0.0174	2.2946	19,000	100,000	NS
Pyrene	mg/kg	0.0296 J	<0.0181	<0.0181	<0.0181	<0.0181	<0.0181	2.11	0.52	<0.0181	<0.0181	<0.0181	<0.0181	<0.0181	<0.0181	<0.0181	54.5455	1,790	22,600	NS
Pyridine	mg/kg	<0.0261	<0.0261	<0.0261	<0.0261	<0.0261	<0.0261	**0.0268 J**	<0.0261	<0.0261	<0.0261	<0.0261	<0.0261	<0.0261	<0.0261	<0.0261	0.0069	78.2	1,170	NS
2,3,4,6-Tetrachlorophenol	mg/kg	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	NS	1,900	24,600	NS
1,2,4-Trichlorobenzene	mg/kg	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	<0.0301	0.408	24	113	NS
2,4,5-Trichlorophenol	mg/kg	<0.0365	<0.0365	<0.0365	<0.0365	<0.0365	<0.0365	<0.0365	<0.0365	<0.0365	<0.0365	<0.0365	<0.0365	<0.0365	<0.0365	<0.0365	NS	6,320	82,100	NS
2,4,6-Trichlorophenol	mg/kg	<0.0386	<0.0386	<0.0386	<0.0386	<0.0386	<0.0386	<0.0386	<0.0386	<0.0386	<0.0386	<0.0386	<0.0386	<0.0386	<0.0386	<0.0386	NS	49.3	209	NS

Notes:
1. Unsaturated/smear zone versus saturated soil conditions based on: (1) measured water levels in adjacent/nearby monitoring wells, or (2) soil moisture conditions recorded on soil boring logs during drilling.
2. Analytical units: mg/kg = milligrams per kilogram (equivalent to parts per million, ppm)
3. NA = not analyzed NS = no standard established
4. Groundwater Pathway RCL = Residual Contaminant Level for protection of groundwater (dilution factor of 2) as presented on the WDNR's RCL Spreadsheet (dated December 2018) referenced in WDNR guidance document PUB-RR-890 "Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator", dated June 2014.
5. Non-Industrial Direct Contact RCL = Residual Contaminant Level for protection of direct contact at a non-industrial property as presented on the WDNR's RCL Spreadsheet (dated December 2018) with default input parameters as referenced in WDNR guidance document PUB-RR-890 "Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator", dated June 2014.
6. Industrial Direct Contact RCL = Residual Contaminant Level for protection of direct contact at an industrial property as presented on the WDNR's RCL Spreadsheet (dated December 2018) with default input parameters as referenced in WDNR guidance document PUB-RR-890 "Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator", dated June 2014.
7. Background Threshold Value = Non-outlier trace element maximum levels in Wisconsin surface soils from USGS report "Distribution and Variation of Arsenic in Wisconsin Surface Soils, With Data on Other Trace Elements" (revised February 2013).
8. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
9. Exceedances: **BOLD** = Concentration exceeds Groundwater Pathway RCL
[ ] = Concentration exceeds Non-Industrial Direct Contact RCL (any depth)
{ } = Concentration exceeds Industrial Direct Contact RCL (any depth)
* = Concentration is below Background Threshold Value so RCL exceedances are not marked
10. Detected Compounds are shaded:

Data entered / updated by: KL Date: 9/3/2020
Data checked by: JJK Date: 9/3/2020

Table 2
Groundwater Analytical Results
Brannum Lumber Property - 1720 Taylor Avenue, Racine, Wisconsin
Sigma Project No. 19558

Well Location:		GP-8	GP-14		NR 140 ES	NR 140 PAL
Date:		8/26/20	8/26/20	DUP		
VOCs						
Benzene	µg/L	<0.33	<0.33	<0.33	5	0.5
Bromobenzene	µg/L	<0.26	<0.26	<0.26	NS	NS
Bromodichloromethane	µg/L	<0.33	<0.33	<0.33	0.6	0.06
Bromoform	µg/L	<0.65	<0.65	<0.65	4.4	0.44
tert-Butylbenzene	µg/L	<0.61	<0.61	<0.61	NS	NS
sec-Butylbenzene	µg/L	<0.32	<0.32	<0.32	NS	NS
n-Butylbenzene	µg/L	<0.28	<0.28	<0.28	NS	NS
Carbon Tetrachloride	µg/L	<0.31	<0.31	<0.31	5	0.5
Chlorobenzene	µg/L	<0.39	<0.39	<0.39	100	20
Chloroethane	µg/L	<1.1	<1.1	<1.1	400	80
Chloroform	µg/L	<0.44	<0.44	<0.44	6	0.6
Chloromethane	µg/L	<0.8	<0.8	<0.8	30	3
2-Chlorotoluene	µg/L	<0.32	<0.32	<0.32	NS	NS
4-Chlorotoluene	µg/L	<0.3	<0.3	<0.3	NS	NS
1,2-Dibromo-3-Chloropropane	µg/L	<0.82	<0.82	<0.82	0.2	0.02
Dibromochloromethane	µg/L	<0.23	<0.23	<0.23	60	6
1,4-Dichlorobenzene	µg/L	<0.36	<0.36	<0.36	75	15
1,3-Dichlorobenzene	µg/L	<0.31	<0.31	<0.31	600	120
1,2-Dichlorobenzene	µg/L	<0.32	<0.32	<0.32	600	60
Dichlorodifluoromethane	µg/L	<0.45	<0.45	<0.45	1,000	200
1,2-Dichloroethane	µg/L	<0.39	<0.39	<0.39	5	0.5
1,1-Dichloroethane	µg/L	<0.46	<0.46	<0.46	850	85
1,1-Dichloroethene	µg/L	<0.5	<0.5	<0.5	7	0.7
cis-1,2-Dichloroethene	µg/L	<0.39	<0.39	<0.39	70	7
trans-1,2-Dichloroethene	µg/L	<0.37	<0.37	<0.37	100	20
1,2-Dichloropropane	µg/L	<0.38	<0.38	<0.38	5	0.5
1,3-Dichloropropane	µg/L	<0.35	<0.35	<0.35	NS	NS
trans-1,3-Dichloropropene	µg/L	<0.3	<0.3	<0.3	0.40	0.04
cis-1,3-Dichloropropene	µg/L	<0.36	<0.36	<0.36	0.40	0.04
Di-isopropyl ether	µg/L	<0.34	<0.34	<0.34	NS	NS
EDB (1,2-Dibromoethane)	µg/L	<0.24	<0.24	<0.24	0.05	0.005
Ethylbenzene	µg/L	<0.32	<0.32	<0.32	700	140
Hexachlorobutadiene	µg/L	<0.72	<0.72	<0.72	NS	NS
Isopropylbenzene	µg/L	<0.32	<0.32	<0.32	NS	NS
p-Isopropyltoluene	µg/L	<0.47	<0.47	<0.47	NS	NS
Methylene Chloride	µg/L	<1.32	<1.32	<1.32	5	0.5
Methyl-tert-butyl-ether	µg/L	<0.47	<0.47	<0.47	60	12
Naphthalene	µg/L	<1.1	<1.1	<1.1	100	10
n-Propylbenzene	µg/L	<0.33	<0.33	<0.33	NS	NS
1,1,2,2-Tetrachloroethane	µg/L	<0.37	<0.37	<0.37	0.2	0.02
1,1,1,2-Tetrachloroethane	µg/L	<0.88	<0.88	<0.88	70	7
Tetrachloroethene	µg/L	<0.33	<0.33	<0.33	5	0.5
Toluene	µg/L	<0.26	<0.26	<0.26	800	160
1,2,4-Trichlorobenzene	µg/L	<0.44	<0.44	<0.44	70	14
1,2,3-Trichlorobenzene	µg/L	<1.0	<1.0	<1.0	NS	NS
1,1,1-Trichloroethane	µg/L	<0.3	<0.3	<0.3	200	40
1,1,2-Trichloroethane	µg/L	<0.36	<0.36	<0.36	5	0.5
Trichloroethene (TCE)	µg/L	<0.47	<0.47	<0.47	5	0.5
Trichlorofluoromethane	µg/L	<0.42	<0.42	<0.42	3,490	698
1,2,4-Trimethylbenzene	µg/L	<0.3	<0.3	<0.3	NS	NS
1,3,5-Trimethylbenzene	µg/L	<0.32	<0.32	<0.32	NS	NS
Total Trimethylbenzene	µg/L	<0.64	<0.64	<0.64	480	96
Vinyl Chloride	µg/L	<0.2	<0.2	<0.2	0.2	0.02
Xylenes, Total	µg/L	<1.48	<1.48	<1.48	2,000	400
Dissolved Metals						
Arsenic	µg/L	<0.8	***2.1 J*****	NA	10	1
Barium	µg/L	34.6	122	NA	2,000	400
Cadmium	µg/L	<0.4	<0.4	NA	5	0.5
Chromium	µg/L	<3.9	<3.9	NA	100	10
Lead	µg/L	<1.1	***3.1 J*****	NA	15	1.5
Mercury	µg/L	<0.1	***0.331 J*****	NA	2	0.2
Selenium	µg/L	<1.2	<1.2	NA	50	10
Silver	µg/L	<8.4	<8.4	NA	50	10

Notes:
1. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
2. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
3. NS = no standard NA = Not Analyzed
4. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
5. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation.
6. Trip blank results: 8/25/2020: All VOCs reported below laboratory detection limits.
7. Equipment blank results: 8/25/2020: All VOCs reported below laboratory detection limits.
8. Exceedances: **BOLD** = Concentration exceeds NR 140 ES
   ITALICS = Concentration exceeds NR 140 PAL
9. Special notes: * = monitoring well screen submerged below water table
   ** = not an NR 140 ES or PAL exceedance per NR 140.14(3)(c)
10. Detected Compounds are shaded:

Table 2
Groundwater Analytical Results
Brannum Lumber Property - 1720 Taylor Avenue, Racine, Wisconsin
Sigma Project No. 19558

Well Location:		GP-8	GP-14		NR 140	NR 140
Date:		8/26/20	8/26/20	DUP	ES	PAL
Semi Volatiles						
Acetophenone	µg/L	<0.95	<0.95	NA	NS	NS
Acenaphthene	µg/L	<0.7	<0.7	NA	NS	NS
Acenaphthylene	µg/L	<0.63	<0.63	NA	NS	NS
Anthracene	µg/L	<0.65	<0.65	NA	3,000	600
Benzo(a)anthracene	µg/L	<0.51	<0.51	NA	NS	NS
Benzo(a)pyrene	µg/L	<0.58	<0.58	NA	0.2	0.02
Benzo(b)fluoranthene	µg/L	<0.82	<0.82	NA	0.2	0.02
Benzo(ghi)perylene	µg/L	<1.04	<1.04	NA	NS	NS
Benzo(k)fluoranthene	µg/L	<0.8	<0.8	NA	NS	NS
Benzyl Alcohol	µg/L	<0.97	<0.97	NA	NS	NS
Butyl benzyl phthalate	µg/L	<0.96	<0.96	NA	NS	NS
Bis(2-chloroethoxy)methane	µg/L	<0.58	<0.58	NA	NS	NS
Bis(2-chloroethyl)ether	µg/L	<1.64	<1.64	NA	NS	NS
Bis(2-chloroisopropyl)ether	µg/L	<1.19	<1.19	NA	NS	NS
Bis(2-ethylhexyl)phthalate	µg/L	<1.61	<1.61	NA	NS	NS
4-Bromophenylphenyl ether	µg/L	<0.53	<0.53	NA	NS	NS
4-Chloro-3-methylphenol	µg/L	<0.62	<0.62	NA	NS	NS
2-Chloronaphthalene	µg/L	<0.58	<0.58	NA	NS	NS
2-Chlorophenol	µg/L	<1.14	<1.14	NA	NS	NS
4-Chlorophenylphenyl ether	µg/L	<0.41	<0.41	NA	NS	NS
Chrysene	µg/L	<0.39	<0.39	NA	0.2	0.02
o-Cresol	µg/L	<0.38	<0.38	NA	NS	NS
m & p-Cresol	µg/L	<0.54	<0.54	NA	NS	NS
Dibenzofuran	µg/L	<0.77	<0.77	NA	NS	NS
Dibenzo(a,h)anthracene	µg/L	<0.99	<0.99	NA	NS	NS
1,4-Dichlorobenzene	µg/L	<0.77	<0.77	NA	75	15
1,3-Dichlorobenzene	µg/L	<0.78	<0.78	NA	600	120
1,2-Dichlorobenzene	µg/L	<0.69	<0.69	NA	600	60
3,3'-Dichlorobenzidine	µg/L	<1.7	<1.7	NA	NS	NS
2,4-Dichlorophenol	µg/L	<1.37	<1.37	NA	NS	NS
Diethyl phthalate	µg/L	<1.12	<1.12	NA	NS	NS
Dimethyl phthalate	µg/L	1.02 J	0.88 J	NA	NS	NS
2,4-Dimethylphenol	µg/L	<0.45	<0.45	NA	0.05	0.005
Di-n-butyl phthalate	µg/L	5.9	<1.29	NA	NS	NS
2,4-Dinitrophenol	µg/L	<2.32	<2.32	NA	NS	NS
2,6-Dinitrotoluene	µg/L	<0.95	<0.95	NA	0.05	0.005
2,4-Dinitrotoluene	µg/L	<0.81	<0.81	NA	NS	NS
Di-n-octyl phthalate	µg/L	<0.76	<0.76	NA	NS	NS
Diphenylamine	µg/L	<0.78	<0.78	NA	NS	NS
Fluoranthene	µg/L	<0.44	<0.44	NA	400	80
Fluorene	µg/L	<0.73	<0.73	NA	400	80
Hexachlorobenzene	µg/L	<0.59	<0.59	NA	1	0.1
Hexachlorobutadiene	µg/L	<0.49	<0.49	NA	NS	NS
Hexachlorocyclopentadiene	µg/L	<2.37	<2.37	NA	NS	NS
Hexachloroethane	µg/L	<1.29	<1.29	NA	NS	NS
Indeno(1,2,3-cd)pyrene	µg/L	<0.98	<0.98	NA	NS	NS
Isophorone	µg/L	<0.91	<0.91	NA	NS	NS
1-Methylnaphthalene	µg/L	<0.72	<0.72	NA	NS	NS
2-Methylnaphthalene	µg/L	<0.9	<0.9	NA	NS	NS
2-Methyl-4,6-dinitrophenol	µg/L	<0.32	<0.32	NA	NS	NS
Naphthalene	µg/L	<0.64	<0.64	NA	100	10
2-Nitroaniline	µg/L	<1.0	<1.0	NA	NS	NS
3-Nitroaniline	µg/L	<1.53	<1.53	NA	NS	NS
4-Nitroaniline	µg/L	<0.93	<0.93	NA	NS	NS
Nitrobenzene	µg/L	<1.24	<1.24	NA	NS	NS
2-Nitrophenol	µg/L	<1.1	<1.1	NA	NS	NS
4-Nitrophenol	µg/L	<5.59	<5.59	NA	NS	NS
n-Nitrosodimethylamine	µg/L	<0.56	<0.56	NA	7	0.7
n-Nitrosodi-n-propylamine	µg/L	<0.68	<0.68	NA	NS	NS
Pentachlorophenol (PCP)	µg/L	<1.21	<1.21	NA	1	0.1
Phenanthrene	µg/L	<0.69	<0.69	NA	NS	NS
Phenol	µg/L	<0.68	<0.68	NA	2000	400
Pyrene	µg/L	<0.48	<0.48	NA	250	50
Pyridine	µg/L	<1.26	<1.26	NA	10	2
2,3,4,6-Tetrachlorophenol	µg/L	<1.77	<1.77	NA	NS	NS
1,2,4-Trichlorobenzene	µg/L	<0.41	<0.41	NA	70	14
2,4,5-Trichlorophenol	µg/L	<0.69	<0.69	NA	NS	NS
2,4,6-Trichlorophenol	µg/L	<0.79	<0.79	NA	NS	NS

Notes:
1. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
2. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
3. NS = no standard NA = Not Analyzed
4. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
5. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation.
6. Trip blank results: 8/25/2020: All VOCs reported below laboratory detection limits.
7. Equipment blank results: 8/25/2020: All VOCs reported below laboratory detection limits.
8. Exceedances: **BOLD** = Concentration exceeds NR 140 ES
   ITALICS = Concentration exceeds NR 140 PAL
9. Special notes: * = monitoring well screen submerged below water table
   ** = not an NR 140 ES or PAL exceedance per NR 140.14(3)(c)
10. Detected Compounds are shaded:

APPENDIX A

SOIL BORING LOGS

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Brannum Lumber		GP-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction and Exploration	8/25/2020	8/25/2020	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 20, T 3 N, R 23 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Racine	52	Racine

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 54	PUSH	0 1.5	ASPHALT SILTY GRAVEL, grey, dense, moist, much sand	GM			0.4						
			3.0	SILTY CLAY, greyish brown, stiff moist, trace sand and gravel				0.6						
2 GP	60 56	PUSH	4.5 6.0					0.8						
			7.5		CL-ML			0.5						
3 GP	60 56	PUSH	9.0 10.5					0.8 0.6						Lab Sample (8-10' bgs) for VOCs, SVOCs, and RCRA Metals
			12.0 13.5					0.8						
			15.0	End of boring at 15', abandoned with bentonite.				0.5						End of Boring at 15' bgs

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

Signature	Firm	
	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Brannum Lumber		GP-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction and Exploration	8/25/2020	8/25/2020	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		GP-2	Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 20, T 3 N, R 23 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Racine	52	Racine

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 51	PUSH	2	ASHPALT SILTY GRAVEL, grey, dense, moist	GM			0.1						
				SILTY CLAY, brown, stiff, moist, trace sand				0.0						
2 GP	60 56	PUSH	6					0.1						
			8					0.1						Lab Sample (8-10' bgs) for VOCs, SVOCs, and RCRA Metals
3 GP	60 45	PUSH	10		CL-ML			0.0						
			12	transition to grey at approx. 12' bgs, medium soft				0.0						
			14					0.3						
4 GP	60 56	PUSH	16	wet, grey, medium soft				0.2						
			18					0.3						
			20					0.4						
				End of boring at 20', small-diameter well set to 20' with screen 5-20', sand pack to 3' w/ layer of fine sand above. Bentonite seal to surface				0.3						End of Boring at 20' bgs, set small diameter well.

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

Signature	Firm	
	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Brannum Lumber		GP-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction and Exploration	8/25/2020	8/25/2020	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 20, T 3 N, R 23 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Racine	52	Racine

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 39	PUSH	1.5	ASPHALT SILT, dark brown to black, clayey, medium soft, moist, possibly organic/weathered topsoil	ML			0.1						
			3.0	SILTY CLAY, brown, stiff, moist, trace sand				0.6						Lab Sample (2-4' bgs) for VOCs, SVOCs, and RCRA Metals
2 GP	60 56	PUSH	4.5					0.4						
			6.0											
			7.5		CL-ML			0.2						
			9.0					0.2						
3 GP	60 56	PUSH	10.5	grey at approx. 11' bgs				0.4						
			12.0											
			13.5					0.5						
			15.0	End of boring at 15', abandoned with bentonite				0.4						End of Boring at 15' bgs

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

Signature

Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Brannum Lumber		GP-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction and Exploration	8/25/2020	8/25/2020	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 20, T 3 N, R 23 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Racine	52	Racine

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60	PUSH	0	ASPHALT										
			1.5	SILT, dark brown to black, clayey, medium soft, moist, possibly organic/weathered topsoil	ML									
			3.0	SILTY CLAY, brown, stiff, moist, trace sand										
			4.5											
2 GP	60	PUSH	6.0											Lab Sample (2-4' bgs) for VOCs, SVOCs, and RCRA Metals
			7.5		CL-ML									
			9.0											
3 GP	60	PUSH	10.5											
			12.0	grey at approx. 12' bgs										
			13.5											
			15.0	End of boring at 15', abandoned with bentonite										End of Boring at 15' bgs

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

Signature [signature] Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Brannum Lumber		GP-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction and Exploration	8/25/2020	8/25/2020	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		GP-5	Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 20, T 3 N, R 23 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Racine	52	Racine

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 45	PUSH	0–2	ASPHALT / SILT, dark brown to black, clayey, medium soft, moist, possibly organic/weathered topsoil	ML / CL-ML			0.2						
			2–4	SILTY CLAY, brown, stiff, moist, trace gravel				0.3						
2 GP	60 58	PUSH	4–6					0.5						Lab Sample (4-6' bgs) for VOCs, SVOCs, and RCRA Metals
			6–8					0.3						
			8–10					0.2						
3 GP	60 56	PUSH	10–12	grey at approx. 11' bgs, trace sand, medium soft				0.1						
			12–14					0.2						
4 GP	60 49	PUSH	14–16					0.2						
			16–18					0.3						
			18–20					0.2						
			20	End of boring at 20', small-diameter well set to approx. 17.5' bgs, sand to 2.5' bgs, fine sand to 2' bgs, bentonite to surface										End of Boring at 20' bgs, set small-diameter well.

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

Signature	Firm	
	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Brannum Lumber		GP-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction and Exploration	8/25/2020	8/25/2020	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 20, T 3 N, R 23 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Racine	52	Racine

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 20	PUSH	0	VEGETATION/ GRASS/ roots										
			1.5	SILTY GRAVEL, light grey, dense, moist, much sand	GM			0.2						
			3.0	SILTY CLAY, brown, stiff, moist, much sand				0.2						
			4.5											
2 GP	60 50	PUSH	6.0					0.5						Lab Sample (4-6' bgs) for VOCs, SVOCs, and RCRA Metals
			7.5					0.2						
				brownish grey at approx. 11' bgs	CL-ML									
			9.0					0.3						
3 GP	60 54	PUSH	10.5	grey, medium soft				0.2						
			12.0											
			13.5					0.1						
			15.0	End of boring at 15', abandoned with bentonite				0.2						End of Boring at 15' bgs

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

Signature	Firm	
JK	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Brannum Lumber		GP-7

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction and Exploration	8/25/2020	8/25/2020	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 20, T 3 N, R 23 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Racine	52	Racine

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 37	PUSH	0	TOPSOIL/ roots										
				SILTY GRAVEL, grey, dense, moist	GM			0.2						
			1.5	SILTY SAND, black, medium dense, moist	SM									
			3.0					0.6						Lab Sample (2-4' bgs) for VOCs, SVOCs, and RCRA Metals
			4.5	SILTY CLAY, brown, stiff, moist, trace sand										
2 GP	60 27	PUSH	6.0					0.4						
			7.5					0.2						
			9.0		CL-ML			0.1						
3 GP	60 43	PUSH	10.5					0.1						
			12.0	grey at approx. 12' bgs										
			13.5					0.2						
			15.0	End of boring at 15', abandoned with bentonite				0.2						End of Boring at 15' bgs

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

Signature

Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Brannum Lumber		GP-8

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction and Exploration	8/25/2020	8/25/2020	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		GP-8	Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 20, T 3 N, R 23 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Racine	52	Racine

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 26	PUSH	0	TOPSOIL / roots	GM									
			2	SILTY GRAVEL, grey, dense, moist	SM									
				SILTY SAND, dark brown, medium loose, moist, trace angular black lustrous fragments				0.9						
			4	SILTY CLAY, brown, stiff, moist, trace sand and gravel				0.6						Lab Sample (2-4' bgs) for VOCs, SVOCs, and RCRA Metals
2 GP	60 29	PUSH	6					0.3						
			8		CL-ML			0.2						
3 GP	60 31	PUSH	10	much gravel, wet				0.3						
			12					0.2						
			14					0.2						
4 GP	60 0	PUSH	16	NO RECOVERY - sleeve wet				0.1						No Recovery 15-20', sample sleeve wet.
			18											
			20	End of boring at 20', set small diamteter well. Screen 0-15' bgs due to hole collapse, sand to 3" below surafce, bentonite seal to 8" above surface (mounded around riser stick-up) and hydrated.										End of Boring at 20' bgs, set small diameter well

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

Signature

Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Brannum Lumber		GP-9

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction and Exploration	8/25/2020	8/25/2020	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 20, T 3 N, R 23 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Racine	52	Racine

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 51	PUSH	1.5	TOPSOIL, roots SILTY SAND, dark brown, medium dense, moist, much clay	SM			0.4						
			3.0	SILTY CLAY, brown, stiff, moist, trace sand and gravel				0.6						Lab Sample (2-4' bgs) for VOCs, SVOCs, and RCRA Metals
2 GP	60 56	PUSH	4.5 6.0					0.3						
			7.5					0.2						
			9.0		CL-ML			0.2						
3 GP	60 56	PUSH	10.5	grey				0.3						
			12.0 13.5					0.3						
			15.0	End of boring at 15', abandoned with bentonite				0.2						End of Boring at 15' bgs

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

Signature

Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Brannum Lumber		GP-10

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction and Exploration	8/25/2020	8/25/2020	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		GP-10	Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 20, T 3 N, R 23 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Racine	52	Racine

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 41	PUSH	2	TOPSOIL , roots CLAYEY SILT, dark brown, medium soft, moist, much sand	ML			0.6						Lab Sample (1-3' bgs) for VOCs, SVOCs, and RCRA Metals
			4	SILTY CLAY, brown, medium soft, moist, trace sand and gravel				0.4						
2 GP	60 56	PUSH	6	no trace gravel, medium stiff				0.3						
			8					0.3						
3 GP	60 56	PUSH	10	grey	CL-ML			0.2						
			12					0.3						
			14					0.1						
4 GP	60 51	PUSH	16	trace sand and gravel, medium soft				0.2						
			18					0.2						
			20	End of boring at 20' bgs, set small-diameter well to approx. 19.7' bgs with 15' screen. Sand to 3', fine sand to 2.5', bentonite to surface.				0.3						End of Boring at 20' bgs, set small-diameter well

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

Signature

Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233

Tel: 414-643-4200
Fax: 414-643-4210

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Brannum Lumber		GP-11

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction and Exploration	8/25/2020	8/25/2020	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 20, T 3 N, R 23 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Racine	52	Racine

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 31	PUSH	1.5	TOPSOIL, roots SILTY GRAVEL, dense, dry, much sand, trace concrete	GM			0.1						
			3.0	SILTY CLAY, brown, stiff, moist, trace sand and gravel				0.2						
			4.5											
2 GP	60 46	PUSH	6.0					0.6						Lab Sample (4-6' bgs) for VOCs, SVOCs, and RCRA Metals
			7.5					0.4						
			9.0		CL-ML			0.3						
3 GP	60 49	PUSH	10.5	grey at approx. 10' bgs, trace sand				0.1						
			12.0											
			13.5					0.3						
			15.0	End of boring at 15', abandoned with bentonite				0.2						End of Boring at 15' bgs

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

Signature

Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Brannum Lumber		GP-12

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction and Exploration	8/25/2020	8/25/2020	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 20, T 3 N, R 23 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Racine	52	Racine

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 33	PUSH	1.5	ASPHALT SAND, brown, dense, moist, trace silt, trace black lustrous fragments	SW			1.0						
			3.0	CLAYEY SILT, dark brown, stiff, molist, trace gravel	ML			0.7						Lab Sample (2-4' bgs) for VOCs, SVOCs, and RCRA Metals
			4.5	SILTY CLAY, brown, stiff, moist, trace sand and gravel										
2 GP	60 53	PUSH	6.0					0.5						
			7.5					0.6						
			9.0		CL-ML			0.2						
3 GP	60 46	PUSH	10.5	no trace gravel				0.1						
			12.0											
			13.5					0.1						
			15.0	End of boring at 15', abandoned with bentonite				0.0						End of Boring at 15' bgs

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

Signature

Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Brannum Lumber		GP-13

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction and Exploration	8/25/2020	8/25/2020	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 20, T 3 N, R 23 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Racine	52	Racine

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 57	PUSH	1.5	TOPSOIL, roots SILTY CLAY, brown, medium soft, moist, trace sand				0.9						
			3.0					0.6						
			4.5											
2 GP	60 56	PUSH	6.0					1.2						Lab Sample (4-6' bgs) for VOCs, SVOCs, and RCRA Metals
			7.5		CL-ML			0.7						
			9.0					0.6						
3 GP	60 56	PUSH	10.5	grey				0.2						
			12.0											
			13.5					0.3						
			15.0	End of boring at 15', abandoned with bentonite				0.3						End of Boring at 15' bgs

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

Signature

Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Brannum Lumber		GP-14

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction and Exploration	8/25/2020	8/25/2020	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		GP-14	Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 20, T 3 N, R 23 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Racine	52	Racine

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 41	PUSH	2	ASPHALT SILTY CLAY, brown, medium stiff, moist, trace sand and gravel				0.9						
			4					1.0						
2 GP	60 52	PUSH	6					1.3						Lab Sample (4-6' bgs) for VOCs, SVOCs, and RCRA Metals
			8					0.8						
3 GP	60 54	PUSH	10	grey	CL-ML			0.9						
			12					0.7						
			14					0.6						
4 GP	60 56	PUSH	16					0.5						
			18					0.5						
			20					0.9						
				End of boring at 20', set small-diameter well to approx. 18.5' bgs w/ 15' screen. Sand to 2.5', fine to 2', bentonite to surface.										End of Boring at 15' bgs, set pre-pack well

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

Signature	Firm	
	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Brannum Lumber		GP-15

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction and Exploration	8/25/2020	8/25/2020	Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of NW 1/4 of Section 20, T 3 N, R 23 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Racine	52	Racine

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GP	60 54	PUSH	1.5	TOPSOIL, roots SILTY CLAY, brown, medium stiff, moist, trace sand and gravel				0.4						
			3.0					0.6						
			4.5											
2 GP	60 49	PUSH	6.0		CL-ML			0.8						Lab Sample (4-6' bgs) for VOCs, SVOCs, and RCRA Metals
			7.5					0.5						
			9.0					0.8						
3 GP	60 33	PUSH	10.5					0.6						
			12.0											
			13.5	grey at approx. 14' bgs				0.8						
			15.0	End of boring at 15', abandoned with bentonite				0.5						End of Boring at 15' bgs

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

Signature [signature] Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

APPENDIX B

ABANDONMENT FORMS

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

GP-1

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Racine		

Latitude / Longitude (Degrees and Minutes): ° ' " 'N / ° ' " 'W — Method Code (see instructions):

¼ / ¼ NE	¼ NW	Section	Township	Range
or Gov't Lot #		20	3	23 ☒ E ☐ W

Well Street Address: 1720 S Taylor Ave

Well City, Village or Town	Well ZIP Code
Racine, WI	

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative only - No longer needed	

2. Facility / Owner Information

Facility Name: Brannum Lumber

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner:

Present Well Owner:

Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☐ Drillhole / Borehole

Original Construction Date:

If a Well Construction Report is available, please attach.

Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify)

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
	1.00
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.3	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☒ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☒ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☐ Yes	☒ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☒ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
The Sigma Group		8/25/2020

Street or Route	Telephone Number
1300 W. Canal Street	414-643-4200

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Milwaukee	WI	53233		9/1/20

DNR Use Only

Date Received	Noted By

Comments:

DRAFT

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

GP-3

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Racine		

Lattitude / Longitude (Degrees and Minutes) — Method Code (see instructions)
° ' " 'N
° ' " 'W

¼ / ¼ NE	¼ NW	Section	Township	Range
or Gov't Lot #		20	3	23 ☒ E ☐ W

Well Street Address: 1720 S Taylor Ave

Well City, Village or Town	Well ZIP Code
Racine, WI	

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative only - No longer needed	

2. Facility / Owner Information

Facility Name: Brannum Lumber
Facility ID (FID or PWS)
License/Permit/Monitoring #
Original Well Owner
Present Well Owner
Mailing Address of Present Owner

City of Present Owner	State	ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☐ Drillhole / Borehole

Original Construction Date
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
	1.00
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.3	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown
If yes, to what depth (feet)? — Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☒ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☒ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☐ Yes	☒ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☒ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
The Sigma Group		8/25/2020

Street or Route	Telephone Number
1300 W. Canal Street	414-643-4200

City	State	ZIP Code
Milwaukee	WI	53233

Signature of Person Doing Work: J K
Date Signed: 9/1/20

DNR Use Only

Date Received	Noted By

Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

GP-4

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Racine		

Lattitude / Longitude (Degrees and Minutes) — Method Code (see instructions)
° ' " 'N
° ' " 'W

¼ / ¼ NE	¼ NW	Section	Township	Range
or Gov't Lot #		20	3	23 ☒ E ☐ W

Well Street Address: 1720 S Taylor Ave

Well City, Village or Town	Well ZIP Code
Racine, WI	

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative only - No longer needed	

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☐ Drillhole / Borehole

Original Construction Date:

If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
	1.00
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.3	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

2. Facility / Owner Information

Facility Name: Brannum Lumber
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☒ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☒ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☐ Yes	☒ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☒ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
The Sigma Group		8/25/2020

Street or Route	Telephone Number
1300 W. Canal Street	414-643-4200

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Milwaukee	WI	53233		9/1/20

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

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☐ Verification Only of Fill and Seal

GP-6

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Racine		

Lattitude / Longitude (Degrees and Minutes) ° ' " 'N ° ' " 'W — Method Code (see instructions)

¼ / ¼ NE	¼ NW	Section	Township	Range
or Gov't Lot #		20	3	23 ☒ E ☐ W

Well Street Address: 1720 S Taylor Ave

Well City, Village or Town	Well ZIP Code
Racine, WI	

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative only - No longer needed	

2. Facility / Owner Information

Facility Name: Brannum Lumber

Facility ID (FID or PWS)

License/Permit/Monitoring #

Original Well Owner

Present Well Owner

Mailing Address of Present Owner

City of Present Owner	State	ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☐ Drillhole / Borehole

Original Construction Date

If a Well Construction Report is available, please attach.

Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify)

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
	1.00
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.3	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)? — Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☒ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☒ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☐ Yes	☒ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☒ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
The Sigma Group		8/25/2020

Street or Route	Telephone Number
1300 W. Canal Street	414-643-4200

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Milwaukee	WI	53233		9/1/20

DNR Use Only

Date Received	Noted By

Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

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☐ Verification Only of Fill and Seal

GP-7

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Racine		

Lattitude / Longitude (Degrees and Minutes) — Method Code (see instructions)

° ' " 'N
° ' " 'W

¼ / ¼ NE	¼ NW	Section	Township	Range
or Gov't Lot #		20	3	23 ☒ E ☐ W

Well Street Address: 1720 S Taylor Ave

Well City, Village or Town	Well ZIP Code
Racine, WI	

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative only - No longer needed	

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☐ Drillhole / Borehole

Original Construction Date:

If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
	1.00
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.3	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)? — Depth to Water (feet)

2. Facility / Owner Information

Facility Name: Brannum Lumber

Facility ID (FID or PWS)

License/Permit/Monitoring #

Original Well Owner

Present Well Owner

Mailing Address of Present Owner

City of Present Owner	State	ZIP Code

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☒ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☒ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☐ Yes	☒ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☒ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
The Sigma Group		8/25/2020

Street or Route	Telephone Number
1300 W. Canal Street	414-643-4200

City	State	ZIP Code
Milwaukee	WI	53233

Signature of Person Doing Work: [signature]

Date Signed: 9/1/20

DNR Use Only

Date Received	Noted By

Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing
Form 3300-5 (R 4/08) Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

GP-9

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Racine		

Lattitude / Longitude (Degrees and Minutes) — Method Code (see instructions)
° ' " 'N
° ' " 'W

¼ / ¼ NE	¼ NW	Section	Township	Range
or Gov't Lot #		20	3	23 ☒ E ☐ W

Well Street Address: 1720 S Taylor Ave

Well City, Village or Town	Well ZIP Code
Racine, WI	

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative only - No longer needed	

2. Facility / Owner Information

Facility Name: Brannum Lumber
Facility ID (FID or PWS)
License/Permit/Monitoring #
Original Well Owner
Present Well Owner
Mailing Address of Present Owner

City of Present Owner	State	ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☐ Drillhole / Borehole

Original Construction Date
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
	1.00
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.3	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☒ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☒ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☐ Yes	☒ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☒ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
The Sigma Group		8/25/2020

Street or Route	Telephone Number
1300 W. Canal Street	414-643-4200

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Milwaukee	WI	53233		9/1/20

DNR Use Only

Date Received	Noted By

Comments

DRAFT

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

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☐ Verification Only of Fill and Seal

GP-11

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Racine		

Lattitude / Longitude (Degrees and Minutes) — Method Code (see instructions)
° ' " 'N
° ' " 'W

¼ / ¼ NE	¼ NW	Section	Township	Range
or Gov't Lot #		20	3	23 ☒ E ☐ W

Well Street Address: 1720 S Taylor Ave

Well City, Village or Town	Well ZIP Code
Racine, WI	

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative only - No longer needed	

2. Facility / Owner Information

Facility Name: Brannum Lumber
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☐ Drillhole / Borehole

Original Construction Date:
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
	1.00
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.3	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☒ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☒ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☐ Yes	☒ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☒ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
The Sigma Group		8/25/2020

Street or Route	Telephone Number
1300 W. Canal Street	414-643-4200

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Milwaukee	WI	53233		7/1/20

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

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☐ Verification Only of Fill and Seal

GP-12

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Racine		

Lattitude / Longitude (Degrees and Minutes) ° ' " 'N ° ' " 'W — Method Code (see instructions)

¼ / ¼ NE	¼ NW	Section	Township	Range ☒ E ☐ W
or Gov't Lot #		20	3	23

Well Street Address: 1720 S Taylor Ave

Well City, Village or Town: Racine, WI — Well ZIP Code

Subdivision Name — Lot #

Reason For Removal From Service: Investigative only - No longer needed — WI Unique Well # of Replacement Well

2. Facility / Owner Information

Facility Name: Brannum Lumber

Facility ID (FID or PWS)

License/Permit/Monitoring #

Original Well Owner

Present Well Owner

Mailing Address of Present Owner

City of Present Owner — State — ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☐ Drillhole / Borehole

Original Construction Date

If a Well Construction Report is available, please attach.

Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify)

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
	1.00
Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.3	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)? — Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☒ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☒ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☐ Yes	☒ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☒ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
The Sigma Group		8/25/2020

Street or Route: 1300 W. Canal Street — Telephone Number: 414-643-4200

City: Milwaukee — State: WI — ZIP Code: 53233

Signature of Person Doing Work — Date Signed: 9/1/20

DNR Use Only

Date Received	Noted By

Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

GP-13

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Racine		

Lattitude / Longitude (Degrees and Minutes) ° ' " 'N ° ' " 'W

Method Code (see instructions)

¼ / ¼ NE	¼ NW	Section	Township	Range
or Gov't Lot #		20	3	23 ☒ E ☐ W

Well Street Address: 1720 S Taylor Ave

Well City, Village or Town	Well ZIP Code
Racine, WI	

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative only - No longer needed	

2. Facility / Owner Information

Facility Name: Brannum Lumber

Facility ID (FID or PWS)

License/Permit/Monitoring #

Original Well Owner

Present Well Owner

Mailing Address of Present Owner

City of Present Owner	State	ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☐ Drillhole / Borehole

Original Construction Date

If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
	1.00

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.3	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☒ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☒ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☐ Yes	☒ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured ☐ Other (Explain)
(Bentonite Chips)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☒ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
The Sigma Group		8/25/2020

Street or Route	Telephone Number
1300 W. Canal Street	414-643-4200

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Milwaukee	WI	53233		9/1/20

DNR Use Only

Date Received	Noted By

Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing
Form 3300-5 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

GP-15

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Racine		

Lattitude / Longitude (Degrees and Minutes): ° ' " 'N ; ° ' " 'W — Method Code (see instructions):

¼ / ¼ NE	¼ NW	Section	Township	Range
or Gov't Lot #		20	3	23 ☒ E ☐ W

Well Street Address: 1720 S Taylor Ave

Well City, Village or Town	Well ZIP Code
Racine, WI	

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Investigative only - No longer needed	

2. Facility / Owner Information

Facility Name: Brannum Lumber

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner:

Present Well Owner:

Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☐ Drillhole / Borehole

Original Construction Date:

If a Well Construction Report is available, please attach.

Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify)

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
	1.00
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.3	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☒ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source	☐ Yes	☒ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☒ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
The Sigma Group		8/25/2020

Street or Route	Telephone Number
1300 W. Canal Street	414-643-4200

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Milwaukee	WI	53233		9/1/20

DNR Use Only

Date Received	Noted By
Comments	

APPENDIX C

MONITORING WELL CONSTRUCTION FORMS

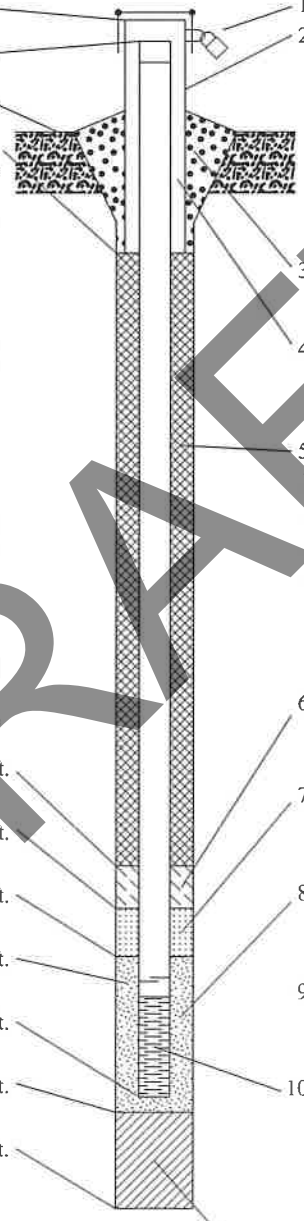
State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Brannum Lumber	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: GP-2
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well Number
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 08/25/2020
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 20, T. 3 N, R. 23 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): GREG Wester; Horizon Construction and Exploration
Distance from Waste/Source ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number



A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation ____ ft. MSL

D. Surface seal, bottom ____ ft. MSL or 2.5 ft.

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

13. Sieve analysis attached? ☐ Yes ☐ No

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

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

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

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

E. Bentonite seal, top ____ ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or ____ ft.

G. Filter pack, top ____ ft. MSL or 2.5 ft.

H. Screen joint, top ____ ft. MSL or 5.0 ft.

I. Well bottom ____ ft. MSL or ____ ft.

J. Filter pack, bottom ____ ft. MSL or 20.0 ft.

K. Borehole, bottom ____ ft. MSL or 20.0 ft.

L. Borehole, diameter 2.3 in.

M. O.D. well casing 1.00 in.

N. I.D. well casing 1.00 in.

1. Cap and lock? ☐ Yes ☐ No

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

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

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

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

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

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

8. Filter pack material: Manufacturer, product name & mesh size
a. ____ __
b. Volume added ____ ft^3

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

10. Screen material: PVC __
a. Screen Type: Factory cut ☒ 11
Continuous slot ☐ 01
____ Other ☐ __
b. Manufacturer ____
c. Slot size: 0.010 in.
d. Slotted length: 15.0 ft.

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

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

Signature ____ Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

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

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Brannum Lumber	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: GP-5
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well Number
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 08/25/2020
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 20, T. 3 N, R. 23 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): GREG Wester; Horizon Construction and Exploration
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation ____ ft. MSL

D. Surface seal, bottom ____ ft. MSL or 2.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☐ No

14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☐ 4 1
Geoprobe Other ☒ _ _

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☐ 9 9

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

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

E. Bentonite seal, top ____ ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or ____ ft.

G. Filter pack, top ____ ft. MSL or 2.0 ft.

H. Screen joint, top ____ ft. MSL or 2.5 ft.

I. Well bottom ____ ft. MSL or ____ ft.

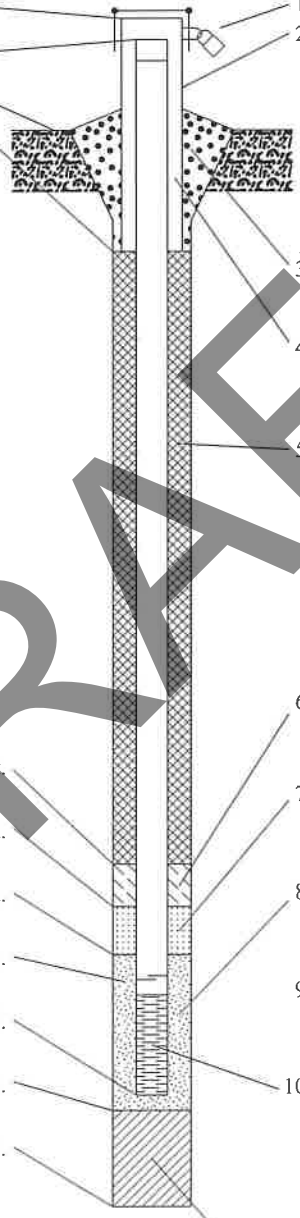
J. Filter pack, bottom ____ ft. MSL or 17.5 ft.

K. Borehole, bottom ____ ft. MSL or 20.0 ft.

L. Borehole, diameter 2.3 in.

M. O.D. well casing 1.00 in.

N. I.D. well casing 1.00 in.



1. Cap and lock? ☐ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: ____ in.
b. Length: ____ ft.
c. Material: Steel ☐ 0 4
____ Other ☒ _ _
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☒ 3 0
Concrete ☐ 0 1
____ Other ☐ _ _

4. Material between well casing and protective pipe:
Bentonite ☐ 3 0
____ Other ☒ _ _

5. Annular space seal: a. Granular/Chipped Bentonite ☐ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ☐ 0 2
Gravity ☐ 0 8

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

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

8. Filter pack material: Manufacturer, product name & mesh size
a. ____ _ _
b. Volume added ____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
____ Other ☐ _ _

10. Screen material: PVC _ _
a. Screen Type: Factory cut ☒ 1 1
Continuous slot ☐ 0 1
____ Other ☐ _ _
b. Manufacturer ____
c. Slot size: 0.010 in.
d. Slotted length: 15.0 ft.

11. Backfill material (below filter pack): None ☐ 1 4
____ Other ☒ _ _

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

Signature: [signature] Firm: The Sigma Group, 1300 W Canal St Milwaukee, WI 53233 Tel: 414-643-4200 Fax: 414-643-4210

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

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Brannum Lumber	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: GP-8
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well Number
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 08/25/2020
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 20, T. 3 N, R. 23 ☒ E ☐ W	Well Installed By: (Person's Name and Firm) GREG Wester, Horizon Construction and Exploration
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation ____ ft. MSL
B. Well casing, top elevation ____ ft. MSL
C. Land surface elevation ____ ft. MSL
D. Surface seal, bottom ____ ft. MSL or 0.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☐ No

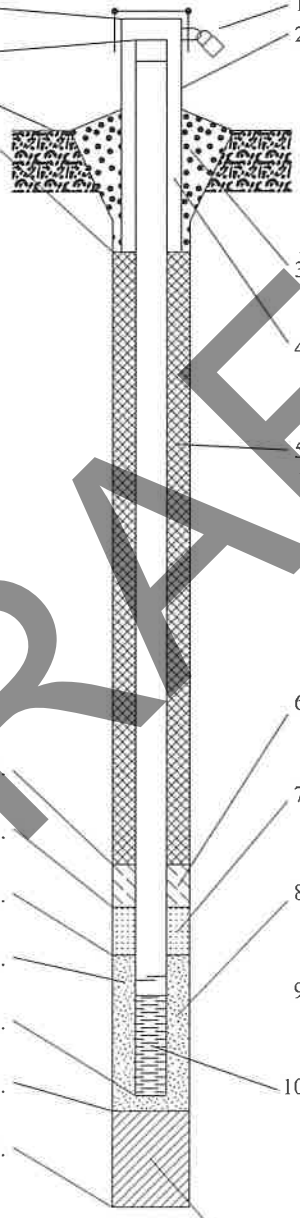
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☐ 41
Geoprobe Other ☒ __

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

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

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

E. Bentonite seal, top ____ ft. MSL or -0.5 ft.
F. Fine sand, top ____ ft. MSL or ____ ft.
G. Filter pack, top ____ ft. MSL or 0.0 ft.
H. Screen joint, top ____ ft. MSL or 0.0 ft.
I. Well bottom ____ ft. MSL or ____ ft.
J. Filter pack, bottom ____ ft. MSL or 15.0 ft.
K. Borehole, bottom ____ ft. MSL or 20.0 ft.
L. Borehole, diameter 2.3 in.
M. O.D. well casing 1.00 in.
N. I.D. well casing 1.00 in.



1. Cap and lock? ☐ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: ____ in.
b. Length: ____ ft.
c. Material: Steel ☐ 04
____ Other ☒ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 30
Concrete ☐ 01
____ Other ☐ __
4. Material between well casing and protective pipe:
Bentonite ☐ 30
____ Other ☒ __
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. ____Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____Lbs/gal mud weight . . . Bentonite slurry ☐ 31
d. ____% Bentonite . . . Bentonite-cement grout ☐ 50
e. ____Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. ____ __
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. ____ __
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
____ Other ☐ __
10. Screen material: PVC __
a. Screen Type: Factory cut ☒ 11
Continuous slot ☐ 01
____ Other ☐ __
b. Manufacturer ____
c. Slot size: 0.010 in.
d. Slotted length: 15.0 ft.
11. Backfill material (below filter pack): None ☐ 14
____ Other ☒ __

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

Signature ____ Firm The Sigma Group
1300 W Canal St Milwaukee, WI 53233
Tel: 414-643-4200
Fax: 414-643-4210

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

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Brannum Lumber	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: GP-10
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well Number
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 08/25/2020
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 20, T. 3 N, R. 23 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): GREG Wester; Horizon Construction and Exploration
Distance from Waste/Source ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation ____ ft. MSL

D. Surface seal, bottom ____ ft. MSL or 2.5 ft.

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

13. Sieve analysis attached? ☐ Yes ☐ No

14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☐ 4 1
Geoprobe Other ☒ _ _

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☐ 9 9

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

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

E. Bentonite seal, top ____ ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or ____ ft.

G. Filter pack, top ____ ft. MSL or 2.5 ft.

H. Screen joint, top ____ ft. MSL or 4.7 ft.

I. Well bottom ____ ft. MSL or ____ ft.

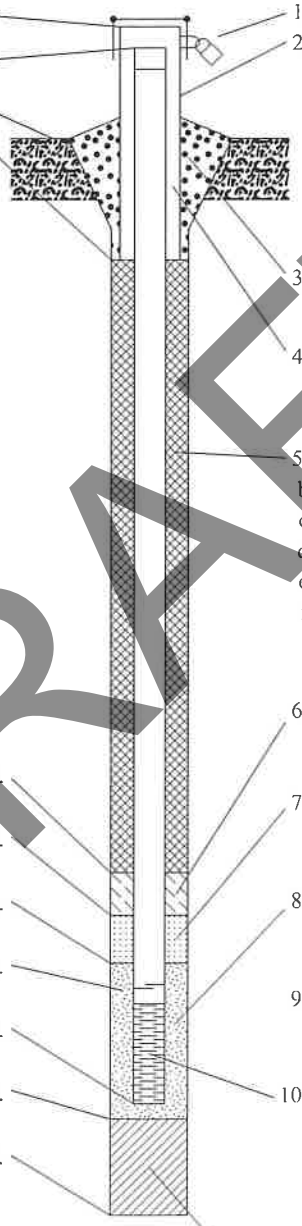
J. Filter pack, bottom ____ ft. MSL or 19.7 ft.

K. Borehole, bottom ____ ft. MSL or 20.0 ft.

L. Borehole, diameter 2.3 in.

M. O.D. well casing 1.00 in.

N. I.D. well casing 1.00 in.



1. Cap and lock? ☐ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: ____ in.
b. Length: ____ ft.
c. Material: Steel ☐ 0 4
____ Other ☒ _ _
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0
Concrete ☐ 0 1
____ Other ☐ _ _
4. Material between well casing and protective pipe:
Bentonite ☐ 3 0
____ Other ☒ _ _
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ☐ 0 2
Gravity ☐ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐ _ _
7. Fine sand material: Manufacturer, product name & mesh size
a. ____ _ _
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. ____ _ _
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
____ Other ☐ _ _
10. Screen material: PVC _ _
a. Screen Type: Factory cut ☒ 1 1
Continuous slot ☐ 0 1
____ Other ☐ _ _
b. Manufacturer ____
c. Slot size: 0.010 in.
d. Slotted length: 15.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4
____ Other ☒ _ _

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

Signature	Firm	
	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210

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

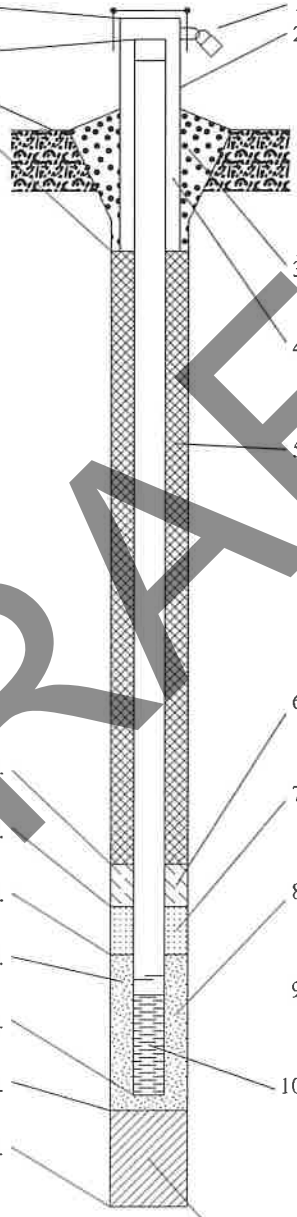
State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Brannum Lumber	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: GP-14
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well Number
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 08/25/2020
Type of Well: Well Code 11/mw	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 20, T. 3 N, R. 23 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): GREG Wester; Horizon Construction and Exploration
Distance from Waste/Source ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number



A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation ____ ft. MSL

D. Surface seal, bottom ____ ft. MSL or 2.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☐ No

14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☐ 4 1
Geoprobe Other ☒ _ _

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☐ 9 9

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

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

E. Bentonite seal, top ____ ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or ____ ft.

G. Filter pack, top ____ ft. MSL or 2.0 ft.

H. Screen joint, top ____ ft. MSL or 3.5 ft.

I. Well bottom ____ ft. MSL or ____ ft.

J. Filter pack, bottom ____ ft. MSL or 18.5 ft.

K. Borehole, bottom ____ ft. MSL or 20.0 ft.

L. Borehole, diameter 2.3 in.

M. O.D. well casing 1.00 in.

N. I.D. well casing 1.00 in.

1. Cap and lock? ☐ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: ____ in.
b. Length: ____ ft.
c. Material: Steel ☐ 0 4
____ Other ☒ _ _
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☒ 3 0
Concrete ☐ 0 1
____ Other ☐ _ _

4. Material between well casing and protective pipe:
Bentonite ☐ 3 0
____ Other ☒ _ _

5. Annular space seal: a. Granular/Chipped Bentonite ☐ 3 3
b. ____Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____% Bentonite . . . Bentonite-cement grout ☐ 5 0
e. ____Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ☐ 0 2
Gravity ☐ 0 8

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

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

8. Filter pack material: Manufacturer, product name & mesh size
a. ____ _ _
b. Volume added ____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
____ Other ☐ _ _

10. Screen material: PVC _ _
a. Screen Type: Factory cut ☒ 1 1
Continuous slot ☐ 0 1
____ Other ☐ _ _
b. Manufacturer ____
c. Slot size: 0.010 in.
d. Slotted length: 15.0 ft.

11. Backfill material (below filter pack): None ☐ 1 4
____ Other ☒ _ _

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

Signature	Firm	
	The Sigma Group 1300 W Canal St Milwaukee, WI 53233	Tel: 414-643-4200 Fax: 414-643-4210

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APPENDIX D

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY

Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

JACOB KRAUSE
THE SIGMA GROUP, INC.
1300 W. CANAL STREET
MILWAUKEE. WI 53233

Report Date *03-Sep-20*

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383A
Sample ID GP-1 8-10
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.2	%			1	5021		8/27/2020	MJR	1
Inorganic										
Metals										
Arsenic, Total	3.59	mg/Kg	0.33	1.09	1	6010B		9/1/2020	CWT	1
Barium, Total	71.2	mg/Kg	0.21	0.7	1	6010B		9/1/2020	CWT	1
Cadmium, Total	< 0.08	mg/Kg	0.08	0.25	1	6010B		9/1/2020	CWT	1
Chromium, Total	25.7	mg/Kg	0.08	0.26	1	6010B		9/1/2020	CWT	1
Lead, Total	7.03	mg/Kg	0.17	0.58	1	6010B		9/1/2020	CWT	1
Mercury, Total	0.026 "J"	mg/kg	0.019	0.064	1	7471		9/2/2020	CWT	1
Selenium, Total	0.736 "J"	mg/Kg	0.52	1.73	1	6010B		9/1/2020	CWT	1
Silver, Total	< 0.57	mg/Kg	0.57	1.89	1	6010B		9/1/2020	CWT	1
Organic										
Semi Volatiles										
Acetophenone	< 0.0342	mg/kg	0.0342	0.109	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthene	< 0.027	mg/kg	0.027	0.086	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthylene	< 0.0261	mg/kg	0.0261	0.083	1	8270E	9/1/2020	9/1/2020	MJR	1
Anthracene	< 0.0151	mg/kg	0.0151	0.0479	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)anthracene	0.0183 "J"	mg/kg	0.0148	0.0472	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)pyrene	0.0167 "J"	mg/kg	0.0149	0.0475	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(b)fluoranthene	0.0245 "J"	mg/kg	0.02	0.0636	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(g,h,i)perylene	< 0.0209	mg/kg	0.0209	0.0666	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(k)fluoranthene	< 0.0137	mg/kg	0.0137	0.0437	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzyl Alcohol	< 0.131	mg/kg	0.131	0.415	1	8270E	9/1/2020	9/1/2020	MJR	1
Butyl benzyl phthalate	< 0.0265	mg/kg	0.0265	0.0843	1	8270E	9/1/2020	9/1/2020	MJR	5
Bis(2-chloroethoxy)methane	< 0.0216	mg/kg	0.0216	0.0686	1	8270E	9/1/2020	9/1/2020	MJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383A
Sample ID GP-1 8-10
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bis(2-chloroethyl)ether	< 0.0554	mg/kg	0.0554	0.176	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroisopropyl)ether	< 0.0183	mg/kg	0.0183	0.0583	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-ethylhexyl)phthalate	< 0.0898	mg/kg	0.0898	0.186	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Bromophenylphenyl ether	< 0.0249	mg/kg	0.0249	0.0791	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chloro-3-methylphenol	< 254	mg/kg	0.0254	0.081	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chloronaphthalene	< 0.021	mg/kg	0.021	0.0667	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chlorophenol	< 0.0236	mg/kg	0.0236	0.0752	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chlorophenylphenyl ether	< 0.0193	mg/kg	0.0193	0.0612	1	8270E	9/1/2020	9/1/2020	MJR	1
Chrysene	< 0.196	mg/kg	0.196	0.0624	1	8270E	9/1/2020	9/1/2020	MJR	1
o-Cresol	< 0.027	mg/kg	0.027	0.084	1	8270E	9/1/2020	9/1/2020	MJR	1
m & p-Cresol	< 0.029	mg/kg	0.029	0.095	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzofuran	< 0.0275	mg/kg	0.0275	0.0875	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzo(a,h)anthracene	< 0.0188	mg/kg	0.0188	0.0598	1	8270E	9/1/2020	9/1/2020	MJR	1
1,4-Dichlorobenzene	< 0.0194	mg/kg	0.0194	0.0618	1	8270E	9/1/2020	9/1/2020	MJR	1
1,3-Dichlorobenzene	< 0.0199	mg/kg	0.0199	0.0632	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2-Dichlorobenzene	< 0.0245	mg/kg	0.0245	0.0779	1	8270E	9/1/2020	9/1/2020	MJR	1
3,3'-Dichlorobenzidine	< 0.0406	mg/kg	0.0406	0.129	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dichlorophenol	< 0.0512	mg/kg	0.0512	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Diethyl phthalate	< 0.029	mg/kg	0.029	0.0922	1	8270E	9/1/2020	9/1/2020	MJR	1
Dimethyl phthalate	0.38	mg/kg	0.0267	0.0849	1	8270E	9/1/2020	9/1/2020	MJR	5
2,4-Dimethylphenol	< 0.0241	mg/kg	0.0241	0.0768	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-butyl phthalate	< 0.139	mg/kg	0.139	0.441	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrophenol	< 0.129	mg/kg	0.129	0.412	1	8270E	9/1/2020	9/1/2020	MJR	1
2,6-Dinitrotoluene	< 0.036	mg/kg	0.036	0.114	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrotoluene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-octyl phthalate	< 0.0244	mg/kg	0.0244	0.0776	1	8270E	9/1/2020	9/1/2020	MJR	1
Diphenylamine	< 0.0281	mg/kg	0.0281	0.0892	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluoranthene	0.033 "J"	mg/kg	0.0173	0.0549	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluorene	< 0.0293	mg/kg	0.0293	0.0931	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobenzene	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobutadiene	< 0.0292	mg/kg	0.0292	0.0928	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorocyclopentadiene	< 0.036	mg/kg	0.036	0.115	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachloroethane	< 0.0248	mg/kg	0.0248	0.0789	1	8270E	9/1/2020	9/1/2020	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.0327	mg/kg	0.0327	0.104	1	8270E	9/1/2020	9/1/2020	MJR	1
Isophorone	< 0.0309	mg/kg	0.0309	0.0982	1	8270E	9/1/2020	9/1/2020	MJR	1
1-Methyl naphthalene	< 0.0216	mg/kg	0.0216	0.0688	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl naphthalene	< 0.0234	mg/kg	0.0234	0.0745	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.0887	mg/kg	0.0887	0.282	1	8270E	9/1/2020	9/1/2020	MJR	1
Naphthalene	< 0.0207	mg/kg	0.0207	0.0658	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitroaniline	< 0.0256	mg/kg	0.0256	0.0814	1	8270E	9/1/2020	9/1/2020	MJR	1
3-Nitroaniline	< 0.144	mg/kg	0.144	0.458	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitroaniline	< 0.0511	mg/kg	0.0511	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene	< 0.0415	mg/kg	0.0415	0.132	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitrophenol	< 0.0187	mg/kg	0.0187	0.0595	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitrophenol	< 0.0761	mg/kg	0.0761	0.242	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodimethylamine	< 0.0254	mg/kg	0.0254	0.0808	1	8270E	9/1/2020	9/1/2020	MJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383A
Sample ID GP-1 8-10
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
n-Nitrosodi-n-propylamine	< 0.0266	mg/kg	0.0266	0.0845	1	8270E	9/1/2020	9/1/2020	MJR	1
Pentachlorophenol (PCP)	< 0.148	mg/kg	0.148	0.47	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenanthrene	0.0206 "J"	mg/kg	0.0179	0.0568	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol	0.0269 "J"	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyrene	0.0296 "J"	mg/kg	0.0181	0.0575	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyridine	< 0.0261	mg/kg	0.0261	0.0834	1	8270E	9/1/2020	9/1/2020	MJR	1
2,3,4,6-Tetrachlorophenol	< 0.0475	mg/kg	0.0475	0.151	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2,4-Trichlorobenzene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,5-Trichlorophenol	< 0.0365	mg/kg	0.0365	0.116	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Trichlorophenol	< 0.0386	mg/kg	0.0386	0.123	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorobiphenyl-surrogate	46	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorophenol-surrogate	54	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene-d5-surrogate	51	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol-d6-surrogate	51	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
p-Terphenyl-d14-surrogate	58	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Tribromophenol-surrogate	41	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
VOC's										
Benzene	< 0.015	mg/kg	0.015	0.047	1	8260B		9/2/2020	CJR	1
Bromobenzene	< 0.045	mg/kg	0.045	0.14	1	8260B		9/2/2020	CJR	1
Bromodichloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		9/2/2020	CJR	1
Bromoform	< 0.048	mg/kg	0.048	0.15	1	8260B		9/2/2020	CJR	1
tert-Butylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		9/2/2020	CJR	1
sec-Butylbenzene	< 0.024	mg/kg	0.024	0.077	1	8260B		9/2/2020	CJR	1
n-Butylbenzene	< 0.018	mg/kg	0.018	0.056	1	8260B		9/2/2020	CJR	1
Carbon Tetrachloride	< 0.055	mg/kg	0.055	0.17	1	8260B		9/2/2020	CJR	1
Chlorobenzene	< 0.022	mg/kg	0.022	0.07	1	8260B		9/2/2020	CJR	1
Chloroethane	< 0.11	mg/kg	0.11	0.35	1	8260B		9/2/2020	CJR	1
Chloroform	< 0.053	mg/kg	0.053	0.17	1	8260B		9/2/2020	CJR	1
Chloromethane	< 0.088	mg/kg	0.088	0.28	1	8260B		9/2/2020	CJR	1
2-Chlorotoluene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/2/2020	CJR	1
4-Chlorotoluene	< 0.017	mg/kg	0.017	0.054	1	8260B		9/2/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.064	mg/kg	0.064	0.2	1	8260B		9/2/2020	CJR	1
Dibromochloromethane	< 0.056	mg/kg	0.056	0.18	1	8260B		9/2/2020	CJR	1
1,4-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		9/2/2020	CJR	1
1,3-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		9/2/2020	CJR	1
1,2-Dichlorobenzene	< 0.024	mg/kg	0.024	0.076	1	8260B		9/2/2020	CJR	1
Dichlorodifluoromethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/2/2020	CJR	1
1,2-Dichloroethane	< 0.037	mg/kg	0.037	0.12	1	8260B		9/2/2020	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.078	1	8260B		9/2/2020	CJR	1
1,1-Dichloroethene	< 0.073	mg/kg	0.073	0.23	1	8260B		9/2/2020	CJR	1
cis-1,2-Dichloroethene	< 0.021	mg/kg	0.021	0.069	1	8260B		9/2/2020	CJR	1
trans-1,2-Dichloroethene	< 0.038	mg/kg	0.038	0.12	1	8260B		9/2/2020	CJR	1
1,2-Dichloropropane	< 0.069	mg/kg	0.069	0.22	1	8260B		9/2/2020	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		9/2/2020	CJR	1
trans-1,3-Dichloropropene	< 0.036	mg/kg	0.036	0.11	1	8260B		9/2/2020	CJR	1
cis-1,3-Dichloropropene	< 0.048	mg/kg	0.048	0.15	1	8260B		9/2/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383A
Sample ID GP-1 8-10
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.09	1	8260B		9/2/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.021	mg/kg	0.021	0.068	1	8260B		9/2/2020	CJR	1
Ethylbenzene	< 0.019	mg/kg	0.019	0.061	1	8260B		9/2/2020	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.32	1	8260B		9/2/2020	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.078	1	8260B		9/2/2020	CJR	1
p-Isopropyltoluene	< 0.026	mg/kg	0.026	0.083	1	8260B		9/2/2020	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		9/2/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.041	mg/kg	0.041	0.13	1	8260B		9/2/2020	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		9/2/2020	CJR	1
n-Propylbenzene	< 0.019	mg/kg	0.019	0.062	1	8260B		9/2/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/2/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.083	mg/kg	0.083	0.26	1	8260B		9/2/2020	CJR	1
Tetrachloroethene	< 0.04	mg/kg	0.04	0.13	1	8260B		9/2/2020	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		9/2/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.087	mg/kg	0.087	0.27	1	8260B		9/2/2020	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/2/2020	CJR	1
1,1,1-Trichloroethane	< 0.053	mg/kg	0.053	0.17	1	8260B		9/2/2020	CJR	1
1,1,2-Trichloroethane	< 0.06	mg/kg	0.06	0.19	1	8260B		9/2/2020	CJR	1
Trichloroethene (TCE)	< 0.048	mg/kg	0.048	0.15	1	8260B		9/2/2020	CJR	1
Trichlorofluoromethane	< 0.1	mg/kg	0.1	0.33	1	8260B		9/2/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.054	mg/kg	0.054	0.17	1	8260B		9/2/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.017	mg/kg	0.017	0.053	1	8260B		9/2/2020	CJR	1
Vinyl Chloride	< 0.066	mg/kg	0.066	0.21	1	8260B		9/2/2020	CJR	1
m&p-Xylene	< 0.083	mg/kg	0.083	0.27	1	8260B		9/2/2020	CJR	1
o-Xylene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/2/2020	CJR	1
SUR - Toluene-d8	99	Rec %			1	8260B		9/2/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	99	Rec %			1	8260B		9/2/2020	CJR	1
SUR - 4-Bromofluorobenzene	109	Rec %			1	8260B		9/2/2020	CJR	1
SUR - Dibromofluoromethane	102	Rec %			1	8260B		9/2/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383B
Sample ID GP-2 8-10
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.4	%			1	5021		8/27/2020	MJR	1
Inorganic										
Metals										
Arsenic, Total	2.56	mg/Kg	0.66	2.18	2	6010B		9/1/2020	CWT	1 49
Barium, Total	34.0	mg/Kg	0.21	0.7	1	6010B		9/1/2020	CWT	1
Cadmium, Total	< 0.08	mg/Kg	0.08	0.25	1	6010B		9/1/2020	CWT	1
Chromium, Total	18.6	mg/Kg	0.08	0.26	1	6010B		9/1/2020	CWT	1
Lead, Total	7.52	mg/Kg	0.17	0.58	1	6010B		9/1/2020	CWT	1
Mercury, Total	0.023 "J"	mg/kg	0.019	0.064	1	7471		9/2/2020	CWT	1
Selenium, Total	1.38 "J"	mg/Kg	0.52	1.73	1	6010B		9/1/2020	CWT	1
Silver, Total	< 0.57	mg/Kg	0.57	1.89	1	6010B		9/1/2020	CWT	1
Organic										
Semi Volatiles										
Acetophenone	< 0.0342	mg/kg	0.0342	0.109	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthene	< 0.027	mg/kg	0.027	0.086	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthylene	< 0.0261	mg/kg	0.0261	0.083	1	8270E	9/1/2020	9/1/2020	MJR	1
Anthracene	< 0.0151	mg/kg	0.0151	0.0479	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)anthracene	< 0.0148	mg/kg	0.0148	0.0472	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)pyrene	< 0.0149	mg/kg	0.0149	0.0475	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(b)fluoranthene	< 0.02	mg/kg	0.02	0.0636	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(g,h,i)perylene	< 0.0209	mg/kg	0.0209	0.0666	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(k)fluoranthene	< 0.0137	mg/kg	0.0137	0.0437	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzyl Alcohol	< 0.131	mg/kg	0.131	0.415	1	8270E	9/1/2020	9/1/2020	MJR	1
Butyl benzyl phthalate	< 0.0265	mg/kg	0.0265	0.0843	1	8270E	9/1/2020	9/1/2020	MJR	5
Bis(2-chloroethoxy)methane	< 0.0216	mg/kg	0.0216	0.0686	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroethyl)ether	< 0.0554	mg/kg	0.0554	0.176	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroisopropyl)ether	< 0.0183	mg/kg	0.0183	0.0583	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-ethylhexyl)phthalate	< 0.0898	mg/kg	0.0898	0.186	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Bromophenylphenyl ether	< 0.0249	mg/kg	0.0249	0.0791	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chloro-3-methylphenol	< 254	mg/kg	0.0254	0.081	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chloronaphthalene	< 0.021	mg/kg	0.021	0.0667	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chlorophenol	< 0.0236	mg/kg	0.0236	0.0752	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chlorophenylphenyl ether	< 0.0193	mg/kg	0.0193	0.0612	1	8270E	9/1/2020	9/1/2020	MJR	1
Chrysene	< 0.196	mg/kg	0.196	0.0624	1	8270E	9/1/2020	9/1/2020	MJR	1
o-Cresol	< 0.027	mg/kg	0.027	0.084	1	8270E	9/1/2020	9/1/2020	MJR	1
m & p-Cresol	< 0.029	mg/kg	0.029	0.095	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzofuran	< 0.0275	mg/kg	0.0275	0.0875	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzo(a,h)anthracene	< 0.0188	mg/kg	0.0188	0.0598	1	8270E	9/1/2020	9/1/2020	MJR	1
1,4-Dichlorobenzene	< 0.0194	mg/kg	0.0194	0.0618	1	8270E	9/1/2020	9/1/2020	MJR	1
1,3-Dichlorobenzene	< 0.0199	mg/kg	0.0199	0.0632	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2-Dichlorobenzene	< 0.0245	mg/kg	0.0245	0.0779	1	8270E	9/1/2020	9/1/2020	MJR	1
3,3'-Dichlorobenzidine	< 0.0406	mg/kg	0.0406	0.129	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dichlorophenol	< 0.0512	mg/kg	0.0512	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Diethyl phthalate	< 0.029	mg/kg	0.029	0.0922	1	8270E	9/1/2020	9/1/2020	MJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383B
Sample ID GP-2 8-10
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Dimethyl phthalate	0.52	mg/kg	0.0267	0.0849	1	8270E	9/1/2020	9/1/2020	MJR	5
2,4-Dimethylphenol	< 0.0241	mg/kg	0.0241	0.0768	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-butyl phthalate	< 0.139	mg/kg	0.139	0.441	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrophenol	< 0.129	mg/kg	0.129	0.412	1	8270E	9/1/2020	9/1/2020	MJR	1
2,6-Dinitrotoluene	< 0.036	mg/kg	0.036	0.114	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrotoluene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-octyl phthalate	< 0.0244	mg/kg	0.0244	0.0776	1	8270E	9/1/2020	9/1/2020	MJR	1
Diphenylamine	< 0.0281	mg/kg	0.0281	0.0892	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluoranthene	< 0.0173	mg/kg	0.0173	0.0549	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluorene	< 0.0293	mg/kg	0.0293	0.0931	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobenzene	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobutadiene	< 0.0292	mg/kg	0.0292	0.0928	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorocyclopentadiene	< 0.036	mg/kg	0.036	0.115	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachloroethane	< 0.0248	mg/kg	0.0248	0.0789	1	8270E	9/1/2020	9/1/2020	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.0327	mg/kg	0.0327	0.104	1	8270E	9/1/2020	9/1/2020	MJR	1
Isophorone	< 0.0309	mg/kg	0.0309	0.0982	1	8270E	9/1/2020	9/1/2020	MJR	1
1-Methyl naphthalene	< 0.0216	mg/kg	0.0216	0.0688	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl naphthalene	< 0.0234	mg/kg	0.0234	0.0745	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.0887	mg/kg	0.0887	0.282	1	8270E	9/1/2020	9/1/2020	MJR	1
Naphthalene	< 0.0207	mg/kg	0.0207	0.0658	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitroaniline	< 0.0256	mg/kg	0.0256	0.0814	1	8270E	9/1/2020	9/1/2020	MJR	1
3-Nitroaniline	< 0.144	mg/kg	0.144	0.458	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitroaniline	< 0.0511	mg/kg	0.0511	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene	< 0.0415	mg/kg	0.0415	0.132	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitrophenol	< 0.0187	mg/kg	0.0187	0.0595	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitrophenol	< 0.0761	mg/kg	0.0761	0.242	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodimethylamine	< 0.0254	mg/kg	0.0254	0.0808	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodi-n-propylamine	< 0.0266	mg/kg	0.0266	0.0845	1	8270E	9/1/2020	9/1/2020	MJR	1
Pentachlorophenol (PCP)	< 0.148	mg/kg	0.148	0.47	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenanthrene	< 0.0179	mg/kg	0.0179	0.0568	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol	0.03 "J"	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyrene	< 0.0181	mg/kg	0.0181	0.0575	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyridine	< 0.0261	mg/kg	0.0261	0.0834	1	8270E	9/1/2020	9/1/2020	MJR	1
2,3,4,6-Tetrachlorophenol	< 0.0475	mg/kg	0.0475	0.151	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2,4-Trichlorobenzene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,5-Trichlorophenol	< 0.0365	mg/kg	0.0365	0.116	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Trichlorophenol	< 0.0386	mg/kg	0.0386	0.123	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorobiphenyl-surrogate	59	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorophenol-surrogate	68	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene-d5-surrogate	67	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol-d6-surrogate	64	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
p-Terphenyl-d14-surrogate	70	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Tribromophenol-surrogate	51	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
VOC's										
Benzene	< 0.015	mg/kg	0.015	0.047	1	8260B		9/2/2020	CJR	1
Bromobenzene	< 0.045	mg/kg	0.045	0.14	1	8260B		9/2/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383B
Sample ID GP-2 8-10
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromodichloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		9/2/2020	CJR	1
Bromoform	< 0.048	mg/kg	0.048	0.15	1	8260B		9/2/2020	CJR	1
tert-Butylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		9/2/2020	CJR	1
sec-Butylbenzene	< 0.024	mg/kg	0.024	0.077	1	8260B		9/2/2020	CJR	1
n-Butylbenzene	< 0.018	mg/kg	0.018	0.056	1	8260B		9/2/2020	CJR	1
Carbon Tetrachloride	< 0.055	mg/kg	0.055	0.17	1	8260B		9/2/2020	CJR	1
Chlorobenzene	< 0.022	mg/kg	0.022	0.07	1	8260B		9/2/2020	CJR	1
Chloroethane	< 0.11	mg/kg	0.11	0.35	1	8260B		9/2/2020	CJR	1
Chloroform	< 0.053	mg/kg	0.053	0.17	1	8260B		9/2/2020	CJR	1
Chloromethane	< 0.088	mg/kg	0.088	0.28	1	8260B		9/2/2020	CJR	1
2-Chlorotoluene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/2/2020	CJR	1
4-Chlorotoluene	< 0.017	mg/kg	0.017	0.054	1	8260B		9/2/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.064	mg/kg	0.064	0.2	1	8260B		9/2/2020	CJR	1
Dibromochloromethane	< 0.056	mg/kg	0.056	0.18	1	8260B		9/2/2020	CJR	1
1,4-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		9/2/2020	CJR	1
1,3-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		9/2/2020	CJR	1
1,2-Dichlorobenzene	< 0.024	mg/kg	0.024	0.076	1	8260B		9/2/2020	CJR	1
Dichlorodifluoromethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/2/2020	CJR	1
1,2-Dichloroethane	< 0.037	mg/kg	0.037	0.12	1	8260B		9/2/2020	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.078	1	8260B		9/2/2020	CJR	1
1,1-Dichloroethene	< 0.073	mg/kg	0.073	0.23	1	8260B		9/2/2020	CJR	1
cis-1,2-Dichloroethene	< 0.021	mg/kg	0.021	0.069	1	8260B		9/2/2020	CJR	1
trans-1,2-Dichloroethene	< 0.038	mg/kg	0.038	0.12	1	8260B		9/2/2020	CJR	1
1,2-Dichloropropane	< 0.069	mg/kg	0.069	0.22	1	8260B		9/2/2020	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		9/2/2020	CJR	1
trans-1,3-Dichloropropene	< 0.036	mg/kg	0.036	0.11	1	8260B		9/2/2020	CJR	1
cis-1,3-Dichloropropene	< 0.048	mg/kg	0.048	0.15	1	8260B		9/2/2020	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.09	1	8260B		9/2/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.021	mg/kg	0.021	0.068	1	8260B		9/2/2020	CJR	1
Ethylbenzene	< 0.019	mg/kg	0.019	0.061	1	8260B		9/2/2020	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.32	1	8260B		9/2/2020	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.078	1	8260B		9/2/2020	CJR	1
p-Isopropyltoluene	< 0.026	mg/kg	0.026	0.083	1	8260B		9/2/2020	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		9/2/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.041	mg/kg	0.041	0.13	1	8260B		9/2/2020	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		9/2/2020	CJR	1
n-Propylbenzene	< 0.019	mg/kg	0.019	0.062	1	8260B		9/2/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/2/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.083	mg/kg	0.083	0.26	1	8260B		9/2/2020	CJR	1
Tetrachloroethene	< 0.04	mg/kg	0.04	0.13	1	8260B		9/2/2020	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		9/2/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.087	mg/kg	0.087	0.27	1	8260B		9/2/2020	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/2/2020	CJR	1
1,1,1-Trichloroethane	< 0.053	mg/kg	0.053	0.17	1	8260B		9/2/2020	CJR	1
1,1,2-Trichloroethane	< 0.06	mg/kg	0.06	0.19	1	8260B		9/2/2020	CJR	1
Trichloroethene (TCE)	< 0.048	mg/kg	0.048	0.15	1	8260B		9/2/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383B
Sample ID GP-2 8-10
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichlorofluoromethane	< 0.1	mg/kg	0.1	0.33	1	8260B		9/2/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.054	mg/kg	0.054	0.17	1	8260B		9/2/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.017	mg/kg	0.017	0.053	1	8260B		9/2/2020	CJR	1
Vinyl Chloride	< 0.066	mg/kg	0.066	0.21	1	8260B		9/2/2020	CJR	1
m&p-Xylene	< 0.083	mg/kg	0.083	0.27	1	8260B		9/2/2020	CJR	1
o-Xylene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/2/2020	CJR	1
SUR - Dibromofluoromethane	100	Rec %			1	8260B		9/2/2020	CJR	1
SUR - Toluene-d8	99	Rec %			1	8260B		9/2/2020	CJR	1
SUR - 4-Bromofluorobenzene	109	Rec %			1	8260B		9/2/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	102	Rec %			1	8260B		9/2/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383C
Sample ID GP-3 2-4
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	79.5	%			1	5021		8/27/2020	MJR	1
Inorganic										
Metals										
Arsenic, Total	5.84	mg/Kg	0.66	2.18	2	6010B		9/1/2020	CWT	1 49
Barium, Total	60.9	mg/Kg	0.21	0.7	1	6010B		9/1/2020	CWT	1
Cadmium, Total	0.49	mg/Kg	0.08	0.25	1	6010B		9/1/2020	CWT	1
Chromium, Total	27.0	mg/Kg	0.08	0.26	1	6010B		9/1/2020	CWT	1
Lead, Total	70.2	mg/Kg	0.17	0.58	1	6010B		9/1/2020	CWT	1
Mercury, Total	0.030 "J"	mg/kg	0.019	0.064	1	7471		9/2/2020	CWT	1
Selenium, Total	0.893 "J"	mg/Kg	0.52	1.73	1	6010B		9/1/2020	CWT	1
Silver, Total	< 0.57	mg/Kg	0.57	1.89	1	6010B		9/1/2020	CWT	1
Organic										
Semi Volatiles										
Acetophenone	< 0.0342	mg/kg	0.0342	0.109	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthene	< 0.027	mg/kg	0.027	0.086	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthylene	< 0.0261	mg/kg	0.0261	0.083	1	8270E	9/1/2020	9/1/2020	MJR	1
Anthracene	< 0.0151	mg/kg	0.0151	0.0479	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)anthracene	< 0.0148	mg/kg	0.0148	0.0472	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)pyrene	< 0.0149	mg/kg	0.0149	0.0475	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(b)fluoranthene	< 0.02	mg/kg	0.02	0.0636	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(g,h,i)perylene	< 0.0209	mg/kg	0.0209	0.0666	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(k)fluoranthene	< 0.0137	mg/kg	0.0137	0.0437	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzyl Alcohol	< 0.131	mg/kg	0.131	0.415	1	8270E	9/1/2020	9/1/2020	MJR	1
Butyl benzyl phthalate	< 0.0265	mg/kg	0.0265	0.0843	1	8270E	9/1/2020	9/1/2020	MJR	5
Bis(2-chloroethoxy)methane	< 0.0216	mg/kg	0.0216	0.0686	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroethyl)ether	< 0.0554	mg/kg	0.0554	0.176	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroisopropyl)ether	< 0.0183	mg/kg	0.0183	0.0583	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-ethylhexyl)phthalate	< 0.0898	mg/kg	0.0898	0.186	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Bromophenylphenyl ether	< 0.0249	mg/kg	0.0249	0.0791	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chloro-3-methylphenol	< 254	mg/kg	0.0254	0.081	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chloronaphthalene	< 0.021	mg/kg	0.021	0.0667	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chlorophenol	< 0.0236	mg/kg	0.0236	0.0752	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chlorophenylphenyl ether	< 0.0193	mg/kg	0.0193	0.0612	1	8270E	9/1/2020	9/1/2020	MJR	1
Chrysene	< 0.196	mg/kg	0.196	0.0624	1	8270E	9/1/2020	9/1/2020	MJR	1
o-Cresol	< 0.027	mg/kg	0.027	0.084	1	8270E	9/1/2020	9/1/2020	MJR	1
m & p-Cresol	< 0.029	mg/kg	0.029	0.095	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzofuran	< 0.0275	mg/kg	0.0275	0.0875	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzo(a,h)anthracene	< 0.0188	mg/kg	0.0188	0.0598	1	8270E	9/1/2020	9/1/2020	MJR	1
1,4-Dichlorobenzene	< 0.0194	mg/kg	0.0194	0.0618	1	8270E	9/1/2020	9/1/2020	MJR	1
1,3-Dichlorobenzene	< 0.0199	mg/kg	0.0199	0.0632	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2-Dichlorobenzene	< 0.0245	mg/kg	0.0245	0.0779	1	8270E	9/1/2020	9/1/2020	MJR	1
3,3'-Dichlorobenzidine	< 0.0406	mg/kg	0.0406	0.129	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dichlorophenol	< 0.0512	mg/kg	0.0512	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Diethyl phthalate	< 0.029	mg/kg	0.029	0.0922	1	8270E	9/1/2020	9/1/2020	MJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383C
Sample ID GP-3 2-4
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Dimethyl phthalate	0.084 "J"	mg/kg	0.0267	0.0849	1	8270E	9/1/2020	9/1/2020	MJR	5
2,4-Dimethylphenol	< 0.0241	mg/kg	0.0241	0.0768	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-butyl phthalate	< 0.139	mg/kg	0.139	0.441	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrophenol	< 0.129	mg/kg	0.129	0.412	1	8270E	9/1/2020	9/1/2020	MJR	1
2,6-Dinitrotoluene	< 0.036	mg/kg	0.036	0.114	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrotoluene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-octyl phthalate	< 0.0244	mg/kg	0.0244	0.0776	1	8270E	9/1/2020	9/1/2020	MJR	1
Diphenylamine	< 0.0281	mg/kg	0.0281	0.0892	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluoranthene	< 0.0173	mg/kg	0.0173	0.0549	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluorene	< 0.0293	mg/kg	0.0293	0.0931	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobenzene	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobutadiene	< 0.0292	mg/kg	0.0292	0.0928	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorocyclopentadiene	< 0.036	mg/kg	0.036	0.115	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachloroethane	< 0.0248	mg/kg	0.0248	0.0789	1	8270E	9/1/2020	9/1/2020	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.0327	mg/kg	0.0327	0.104	1	8270E	9/1/2020	9/1/2020	MJR	1
Isophorone	< 0.0309	mg/kg	0.0309	0.0982	1	8270E	9/1/2020	9/1/2020	MJR	1
1-Methyl naphthalene	< 0.0216	mg/kg	0.0216	0.0688	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl naphthalene	< 0.0234	mg/kg	0.0234	0.0745	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.0887	mg/kg	0.0887	0.282	1	8270E	9/1/2020	9/1/2020	MJR	1
Naphthalene	< 0.0207	mg/kg	0.0207	0.0658	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitroaniline	< 0.0256	mg/kg	0.0256	0.0814	1	8270E	9/1/2020	9/1/2020	MJR	1
3-Nitroaniline	< 0.144	mg/kg	0.144	0.458	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitroaniline	< 0.0511	mg/kg	0.0511	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene	< 0.0415	mg/kg	0.0415	0.132	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitrophenol	< 0.0187	mg/kg	0.0187	0.0595	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitrophenol	< 0.0761	mg/kg	0.0761	0.242	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodimethylamine	< 0.0254	mg/kg	0.0254	0.0808	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodi-n-propylamine	< 0.0266	mg/kg	0.0266	0.0845	1	8270E	9/1/2020	9/1/2020	MJR	1
Pentachlorophenol (PCP)	< 0.148	mg/kg	0.148	0.47	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenanthrene	< 0.0179	mg/kg	0.0179	0.0568	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol	0.0176 "J"	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyrene	< 0.0181	mg/kg	0.0181	0.0575	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyridine	< 0.0261	mg/kg	0.0261	0.0834	1	8270E	9/1/2020	9/1/2020	MJR	1
2,3,4,6-Tetrachlorophenol	< 0.0475	mg/kg	0.0475	0.151	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2,4-Trichlorobenzene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,5-Trichlorophenol	< 0.0365	mg/kg	0.0365	0.116	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Trichlorophenol	< 0.0386	mg/kg	0.0386	0.123	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorobiphenyl-surrogate	72	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorophenol-surrogate	90	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene-d5-surrogate	83	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol-d6-surrogate	85	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
p-Terphenyl-d14-surrogate	85	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Tribromophenol-surrogate	64	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
VOC's										
Benzene	< 0.015	mg/kg	0.015	0.047	1	8260B		9/2/2020	CJR	1
Bromobenzene	< 0.045	mg/kg	0.045	0.14	1	8260B		9/2/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383C
Sample ID GP-3 2-4
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromodichloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		9/2/2020	CJR	1
Bromoform	< 0.048	mg/kg	0.048	0.15	1	8260B		9/2/2020	CJR	1
tert-Butylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		9/2/2020	CJR	1
sec-Butylbenzene	< 0.024	mg/kg	0.024	0.077	1	8260B		9/2/2020	CJR	1
n-Butylbenzene	< 0.018	mg/kg	0.018	0.056	1	8260B		9/2/2020	CJR	1
Carbon Tetrachloride	< 0.055	mg/kg	0.055	0.17	1	8260B		9/2/2020	CJR	1
Chlorobenzene	< 0.022	mg/kg	0.022	0.07	1	8260B		9/2/2020	CJR	1
Chloroethane	< 0.11	mg/kg	0.11	0.35	1	8260B		9/2/2020	CJR	1
Chloroform	< 0.053	mg/kg	0.053	0.17	1	8260B		9/2/2020	CJR	1
Chloromethane	< 0.088	mg/kg	0.088	0.28	1	8260B		9/2/2020	CJR	1
2-Chlorotoluene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/2/2020	CJR	1
4-Chlorotoluene	< 0.017	mg/kg	0.017	0.054	1	8260B		9/2/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.064	mg/kg	0.064	0.2	1	8260B		9/2/2020	CJR	1
Dibromochloromethane	< 0.056	mg/kg	0.056	0.18	1	8260B		9/2/2020	CJR	1
1,4-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		9/2/2020	CJR	1
1,3-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		9/2/2020	CJR	1
1,2-Dichlorobenzene	< 0.024	mg/kg	0.024	0.076	1	8260B		9/2/2020	CJR	1
Dichlorodifluoromethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/2/2020	CJR	1
1,2-Dichloroethane	< 0.037	mg/kg	0.037	0.12	1	8260B		9/2/2020	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.078	1	8260B		9/2/2020	CJR	1
1,1-Dichloroethene	< 0.073	mg/kg	0.073	0.23	1	8260B		9/2/2020	CJR	1
cis-1,2-Dichloroethene	< 0.021	mg/kg	0.021	0.069	1	8260B		9/2/2020	CJR	1
trans-1,2-Dichloroethene	< 0.038	mg/kg	0.038	0.12	1	8260B		9/2/2020	CJR	1
1,2-Dichloropropane	< 0.069	mg/kg	0.069	0.22	1	8260B		9/2/2020	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		9/2/2020	CJR	1
trans-1,3-Dichloropropene	< 0.036	mg/kg	0.036	0.11	1	8260B		9/2/2020	CJR	1
cis-1,3-Dichloropropene	< 0.048	mg/kg	0.048	0.15	1	8260B		9/2/2020	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.09	1	8260B		9/2/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.021	mg/kg	0.021	0.068	1	8260B		9/2/2020	CJR	1
Ethylbenzene	< 0.019	mg/kg	0.019	0.061	1	8260B		9/2/2020	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.32	1	8260B		9/2/2020	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.078	1	8260B		9/2/2020	CJR	1
p-Isopropyltoluene	< 0.026	mg/kg	0.026	0.083	1	8260B		9/2/2020	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		9/2/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.041	mg/kg	0.041	0.13	1	8260B		9/2/2020	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		9/2/2020	CJR	1
n-Propylbenzene	< 0.019	mg/kg	0.019	0.062	1	8260B		9/2/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/2/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.083	mg/kg	0.083	0.26	1	8260B		9/2/2020	CJR	1
Tetrachloroethene	< 0.04	mg/kg	0.04	0.13	1	8260B		9/2/2020	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		9/2/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.087	mg/kg	0.087	0.27	1	8260B		9/2/2020	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/2/2020	CJR	1
1,1,1-Trichloroethane	< 0.053	mg/kg	0.053	0.17	1	8260B		9/2/2020	CJR	1
1,1,2-Trichloroethane	< 0.06	mg/kg	0.06	0.19	1	8260B		9/2/2020	CJR	1
Trichloroethene (TCE)	< 0.048	mg/kg	0.048	0.15	1	8260B		9/2/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383C
Sample ID GP-3 2-4
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichlorofluoromethane	< 0.1	mg/kg	0.1	0.33	1	8260B		9/2/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.054	mg/kg	0.054	0.17	1	8260B		9/2/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.017	mg/kg	0.017	0.053	1	8260B		9/2/2020	CJR	1
Vinyl Chloride	< 0.066	mg/kg	0.066	0.21	1	8260B		9/2/2020	CJR	1
m&p-Xylene	< 0.083	mg/kg	0.083	0.27	1	8260B		9/2/2020	CJR	1
o-Xylene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/2/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	102	Rec %			1	8260B		9/2/2020	CJR	1
SUR - Toluene-d8	106	Rec %			1	8260B		9/2/2020	CJR	1
SUR - 4-Bromofluorobenzene	110	Rec %			1	8260B		9/2/2020	CJR	1
SUR - Dibromofluoromethane	106	Rec %			1	8260B		9/2/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383D
Sample ID GP-4 8-10
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.4	%			1	5021		8/27/2020	MJR	1
Inorganic										
Metals										
Arsenic, Total	3.81	mg/Kg	0.66	2.18	2	6010B		9/1/2020	CWT	1 49
Barium, Total	35.2	mg/Kg	0.21	0.7	1	6010B		9/1/2020	CWT	1
Cadmium, Total	< 0.08	mg/Kg	0.08	0.25	1	6010B		9/1/2020	CWT	1
Chromium, Total	21.8	mg/Kg	0.08	0.26	1	6010B		9/1/2020	CWT	1
Lead, Total	7.90	mg/Kg	0.17	0.58	1	6010B		9/1/2020	CWT	1
Mercury, Total	0.019	mg/kg	0.019	0.064	1	7471		9/2/2020	CWT	1
Selenium, Total	< 0.52	mg/Kg	0.52	1.73	1	6010B		9/1/2020	CWT	1
Silver, Total	< 0.57	mg/Kg	0.57	1.89	1	6010B		9/1/2020	CWT	1
Organic										
Semi Volatiles										
Acetophenone	< 0.0342	mg/kg	0.0342	0.109	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthene	< 0.027	mg/kg	0.027	0.086	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthylene	< 0.0261	mg/kg	0.0261	0.083	1	8270E	9/1/2020	9/1/2020	MJR	1
Anthracene	< 0.0151	mg/kg	0.0151	0.0479	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)anthracene	< 0.0148	mg/kg	0.0148	0.0472	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)pyrene	< 0.0149	mg/kg	0.0149	0.0475	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(b)fluoranthene	< 0.02	mg/kg	0.02	0.0636	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(g,h,i)perylene	< 0.0209	mg/kg	0.0209	0.0666	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(k)fluoranthene	< 0.0137	mg/kg	0.0137	0.0437	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzyl Alcohol	< 0.131	mg/kg	0.131	0.415	1	8270E	9/1/2020	9/1/2020	MJR	1
Butyl benzyl phthalate	< 0.0265	mg/kg	0.0265	0.0843	1	8270E	9/1/2020	9/1/2020	MJR	5
Bis(2-chloroethoxy)methane	< 0.0216	mg/kg	0.0216	0.0686	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroethyl)ether	< 0.0554	mg/kg	0.0554	0.176	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroisopropyl)ether	< 0.0183	mg/kg	0.0183	0.0583	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-ethylhexyl)phthalate	< 0.0898	mg/kg	0.0898	0.186	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Bromophenylphenyl ether	< 0.0249	mg/kg	0.0249	0.0791	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chloro-3-methylphenol	< 254	mg/kg	0.0254	0.081	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chloronaphthalene	< 0.021	mg/kg	0.021	0.0667	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chlorophenol	< 0.0236	mg/kg	0.0236	0.0752	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chlorophenylphenyl ether	< 0.0193	mg/kg	0.0193	0.0612	1	8270E	9/1/2020	9/1/2020	MJR	1
Chrysene	< 0.196	mg/kg	0.196	0.0624	1	8270E	9/1/2020	9/1/2020	MJR	1
o-Cresol	< 0.027	mg/kg	0.027	0.084	1	8270E	9/1/2020	9/1/2020	MJR	1
m & p-Cresol	< 0.029	mg/kg	0.029	0.095	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzofuran	< 0.0275	mg/kg	0.0275	0.0875	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzo(a,h)anthracene	< 0.0188	mg/kg	0.0188	0.0598	1	8270E	9/1/2020	9/1/2020	MJR	1
1,4-Dichlorobenzene	< 0.0194	mg/kg	0.0194	0.0618	1	8270E	9/1/2020	9/1/2020	MJR	1
1,3-Dichlorobenzene	< 0.0199	mg/kg	0.0199	0.0632	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2-Dichlorobenzene	< 0.0245	mg/kg	0.0245	0.0779	1	8270E	9/1/2020	9/1/2020	MJR	1
3,3'-Dichlorobenzidine	< 0.0406	mg/kg	0.0406	0.129	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dichlorophenol	< 0.0512	mg/kg	0.0512	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Diethyl phthalate	< 0.029	mg/kg	0.029	0.0922	1	8270E	9/1/2020	9/1/2020	MJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383D
Sample ID GP-4 8-10
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Dimethyl phthalate	0.225	mg/kg	0.0267	0.0849	1	8270E	9/1/2020	9/1/2020	MJR	5
2,4-Dimethylphenol	< 0.0241	mg/kg	0.0241	0.0768	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-butyl phthalate	< 0.139	mg/kg	0.139	0.441	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrophenol	< 0.129	mg/kg	0.129	0.412	1	8270E	9/1/2020	9/1/2020	MJR	1
2,6-Dinitrotoluene	< 0.036	mg/kg	0.036	0.114	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrotoluene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-octyl phthalate	< 0.0244	mg/kg	0.0244	0.0776	1	8270E	9/1/2020	9/1/2020	MJR	1
Diphenylamine	< 0.0281	mg/kg	0.0281	0.0892	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluoranthene	< 0.0173	mg/kg	0.0173	0.0549	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluorene	< 0.0293	mg/kg	0.0293	0.0931	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobenzene	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobutadiene	< 0.0292	mg/kg	0.0292	0.0928	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorocyclopentadiene	< 0.036	mg/kg	0.036	0.115	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachloroethane	< 0.0248	mg/kg	0.0248	0.0789	1	8270E	9/1/2020	9/1/2020	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.0327	mg/kg	0.0327	0.104	1	8270E	9/1/2020	9/1/2020	MJR	1
Isophorone	< 0.0309	mg/kg	0.0309	0.0982	1	8270E	9/1/2020	9/1/2020	MJR	1
1-Methyl naphthalene	< 0.0216	mg/kg	0.0216	0.0688	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl naphthalene	< 0.0234	mg/kg	0.0234	0.0745	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.0887	mg/kg	0.0887	0.282	1	8270E	9/1/2020	9/1/2020	MJR	1
Naphthalene	< 0.0207	mg/kg	0.0207	0.0658	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitroaniline	< 0.0256	mg/kg	0.0256	0.0814	1	8270E	9/1/2020	9/1/2020	MJR	1
3-Nitroaniline	< 0.144	mg/kg	0.144	0.458	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitroaniline	< 0.0511	mg/kg	0.0511	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene	< 0.0415	mg/kg	0.0415	0.132	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitrophenol	< 0.0187	mg/kg	0.0187	0.0595	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitrophenol	< 0.0761	mg/kg	0.0761	0.242	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodimethylamine	< 0.0254	mg/kg	0.0254	0.0808	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodi-n-propylamine	< 0.0266	mg/kg	0.0266	0.0845	1	8270E	9/1/2020	9/1/2020	MJR	1
Pentachlorophenol (PCP)	< 0.148	mg/kg	0.148	0.47	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenanthrene	< 0.0179	mg/kg	0.0179	0.0568	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyrene	< 0.0181	mg/kg	0.0181	0.0575	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyridine	< 0.0261	mg/kg	0.0261	0.0834	1	8270E	9/1/2020	9/1/2020	MJR	1
2,3,4,6-Tetrachlorophenol	< 0.0475	mg/kg	0.0475	0.151	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2,4-Trichlorobenzene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,5-Trichlorophenol	< 0.0365	mg/kg	0.0365	0.116	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Trichlorophenol	< 0.0386	mg/kg	0.0386	0.123	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorobiphenyl-surrogate	52	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorophenol-surrogate	58	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene-d5-surrogate	56	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol-d6-surrogate	56	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
p-Terphenyl-d14-surrogate	70	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Tribromophenol-surrogate	53	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
VOC's										
Benzene	< 0.015	mg/kg	0.015	0.047	1	8260B		9/2/2020	CJR	1
Bromobenzene	< 0.045	mg/kg	0.045	0.14	1	8260B		9/2/2020	CJR	1

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Lab Code 5038383D
Sample ID GP-4 8-10
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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromodichloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		9/2/2020	CJR	1
Bromoform	< 0.048	mg/kg	0.048	0.15	1	8260B		9/2/2020	CJR	1
tert-Butylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		9/2/2020	CJR	1
sec-Butylbenzene	< 0.024	mg/kg	0.024	0.077	1	8260B		9/2/2020	CJR	1
n-Butylbenzene	< 0.018	mg/kg	0.018	0.056	1	8260B		9/2/2020	CJR	1
Carbon Tetrachloride	< 0.055	mg/kg	0.055	0.17	1	8260B		9/2/2020	CJR	1
Chlorobenzene	< 0.022	mg/kg	0.022	0.07	1	8260B		9/2/2020	CJR	1
Chloroethane	< 0.11	mg/kg	0.11	0.35	1	8260B		9/2/2020	CJR	1
Chloroform	< 0.053	mg/kg	0.053	0.17	1	8260B		9/2/2020	CJR	1
Chloromethane	< 0.088	mg/kg	0.088	0.28	1	8260B		9/2/2020	CJR	1
2-Chlorotoluene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/2/2020	CJR	1
4-Chlorotoluene	< 0.017	mg/kg	0.017	0.054	1	8260B		9/2/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.064	mg/kg	0.064	0.2	1	8260B		9/2/2020	CJR	1
Dibromochloromethane	< 0.056	mg/kg	0.056	0.18	1	8260B		9/2/2020	CJR	1
1,4-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		9/2/2020	CJR	1
1,3-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		9/2/2020	CJR	1
1,2-Dichlorobenzene	< 0.024	mg/kg	0.024	0.076	1	8260B		9/2/2020	CJR	1
Dichlorodifluoromethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/2/2020	CJR	1
1,2-Dichloroethane	< 0.037	mg/kg	0.037	0.12	1	8260B		9/2/2020	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.078	1	8260B		9/2/2020	CJR	1
1,1-Dichloroethene	< 0.073	mg/kg	0.073	0.23	1	8260B		9/2/2020	CJR	1
cis-1,2-Dichloroethene	< 0.021	mg/kg	0.021	0.069	1	8260B		9/2/2020	CJR	1
trans-1,2-Dichloroethene	< 0.038	mg/kg	0.038	0.12	1	8260B		9/2/2020	CJR	1
1,2-Dichloropropane	< 0.069	mg/kg	0.069	0.22	1	8260B		9/2/2020	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		9/2/2020	CJR	1
trans-1,3-Dichloropropene	< 0.036	mg/kg	0.036	0.11	1	8260B		9/2/2020	CJR	1
cis-1,3-Dichloropropene	< 0.048	mg/kg	0.048	0.15	1	8260B		9/2/2020	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.09	1	8260B		9/2/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.021	mg/kg	0.021	0.068	1	8260B		9/2/2020	CJR	1
Ethylbenzene	< 0.019	mg/kg	0.019	0.061	1	8260B		9/2/2020	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.32	1	8260B		9/2/2020	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.078	1	8260B		9/2/2020	CJR	1
p-Isopropyltoluene	< 0.026	mg/kg	0.026	0.083	1	8260B		9/2/2020	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		9/2/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.041	mg/kg	0.041	0.13	1	8260B		9/2/2020	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		9/2/2020	CJR	1
n-Propylbenzene	< 0.019	mg/kg	0.019	0.062	1	8260B		9/2/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/2/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.083	mg/kg	0.083	0.26	1	8260B		9/2/2020	CJR	1
Tetrachloroethene	< 0.04	mg/kg	0.04	0.13	1	8260B		9/2/2020	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		9/2/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.087	mg/kg	0.087	0.27	1	8260B		9/2/2020	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/2/2020	CJR	1
1,1,1-Trichloroethane	< 0.053	mg/kg	0.053	0.17	1	8260B		9/2/2020	CJR	1
1,1,2-Trichloroethane	< 0.06	mg/kg	0.06	0.19	1	8260B		9/2/2020	CJR	1
Trichloroethene (TCE)	< 0.048	mg/kg	0.048	0.15	1	8260B		9/2/2020	CJR	1

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Sample ID GP-4 8-10
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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichlorofluoromethane	< 0.1	mg/kg	0.1	0.33	1	8260B		9/2/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.054	mg/kg	0.054	0.17	1	8260B		9/2/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.017	mg/kg	0.017	0.053	1	8260B		9/2/2020	CJR	1
Vinyl Chloride	< 0.066	mg/kg	0.066	0.21	1	8260B		9/2/2020	CJR	1
m&p-Xylene	< 0.083	mg/kg	0.083	0.27	1	8260B		9/2/2020	CJR	1
o-Xylene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/2/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	102	Rec %			1	8260B		9/2/2020	CJR	1
SUR - 4-Bromofluorobenzene	108	Rec %			1	8260B		9/2/2020	CJR	1
SUR - Dibromofluoromethane	108	Rec %			1	8260B		9/2/2020	CJR	1
SUR - Toluene-d8	100	Rec %			1	8260B		9/2/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383E
Sample ID GP-5 4-6
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.3	%			1	5021		8/27/2020	MJR	1
Inorganic										
Metals										
Arsenic, Total	4.40	mg/Kg	0.33	1.09	1	6010B		9/1/2020	CWT	1
Barium, Total	55.9	mg/Kg	0.21	0.7	1	6010B		9/1/2020	CWT	1
Cadmium, Total	< 0.08	mg/Kg	0.08	0.25	1	6010B		9/1/2020	CWT	1
Chromium, Total	22.0	mg/Kg	0.08	0.26	1	6010B		9/1/2020	CWT	1
Lead, Total	6.79	mg/Kg	0.17	0.58	1	6010B		9/1/2020	CWT	1
Mercury, Total	0.0192	mg/kg	0.019	0.064	1	7471		9/2/2020	CWT	1
Selenium, Total	< 0.52	mg/Kg	0.52	1.73	1	6010B		9/1/2020	CWT	1
Silver, Total	< 0.57	mg/Kg	0.57	1.89	1	6010B		9/1/2020	CWT	1
Organic										
Semi Volatiles										
Acetophenone	< 0.0342	mg/kg	0.0342	0.109	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthene	< 0.027	mg/kg	0.027	0.086	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthylene	< 0.0261	mg/kg	0.0261	0.083	1	8270E	9/1/2020	9/1/2020	MJR	1
Anthracene	< 0.0151	mg/kg	0.0151	0.0479	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)anthracene	< 0.0148	mg/kg	0.0148	0.0472	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)pyrene	< 0.0149	mg/kg	0.0149	0.0475	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(b)fluoranthene	< 0.02	mg/kg	0.02	0.0636	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(g,h,i)perylene	< 0.0209	mg/kg	0.0209	0.0666	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(k)fluoranthene	< 0.0137	mg/kg	0.0137	0.0437	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzyl Alcohol	< 0.131	mg/kg	0.131	0.415	1	8270E	9/1/2020	9/1/2020	MJR	1
Butyl benzyl phthalate	< 0.0265	mg/kg	0.0265	0.0843	1	8270E	9/1/2020	9/1/2020	MJR	5
Bis(2-chloroethoxy)methane	< 0.0216	mg/kg	0.0216	0.0686	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroethyl)ether	< 0.0554	mg/kg	0.0554	0.176	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroisopropyl)ether	< 0.0183	mg/kg	0.0183	0.0583	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-ethylhexyl)phthalate	< 0.0898	mg/kg	0.0898	0.186	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Bromophenylphenyl ether	< 0.0249	mg/kg	0.0249	0.0791	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chloro-3-methylphenol	< 254	mg/kg	0.0254	0.081	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chloronaphthalene	< 0.021	mg/kg	0.021	0.0667	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chlorophenol	< 0.0236	mg/kg	0.0236	0.0752	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chlorophenylphenyl ether	< 0.0193	mg/kg	0.0193	0.0612	1	8270E	9/1/2020	9/1/2020	MJR	1
Chrysene	< 0.196	mg/kg	0.196	0.0624	1	8270E	9/1/2020	9/1/2020	MJR	1
o-Cresol	< 0.027	mg/kg	0.027	0.084	1	8270E	9/1/2020	9/1/2020	MJR	1
m & p-Cresol	< 0.029	mg/kg	0.029	0.095	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzofuran	< 0.0275	mg/kg	0.0275	0.0875	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzo(a,h)anthracene	< 0.0188	mg/kg	0.0188	0.0598	1	8270E	9/1/2020	9/1/2020	MJR	1
1,4-Dichlorobenzene	< 0.0194	mg/kg	0.0194	0.0618	1	8270E	9/1/2020	9/1/2020	MJR	1
1,3-Dichlorobenzene	< 0.0199	mg/kg	0.0199	0.0632	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2-Dichlorobenzene	< 0.0245	mg/kg	0.0245	0.0779	1	8270E	9/1/2020	9/1/2020	MJR	1
3,3'-Dichlorobenzidine	< 0.0406	mg/kg	0.0406	0.129	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dichlorophenol	< 0.0512	mg/kg	0.0512	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Diethyl phthalate	< 0.029	mg/kg	0.029	0.0922	1	8270E	9/1/2020	9/1/2020	MJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383E
Sample ID GP-5 4-6
Sample Matrix Soil
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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Dimethyl phthalate	0.102	mg/kg	0.0267	0.0849	1	8270E	9/1/2020	9/1/2020	MJR	5
2,4-Dimethylphenol	< 0.0241	mg/kg	0.0241	0.0768	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-butyl phthalate	< 0.139	mg/kg	0.139	0.441	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrophenol	< 0.129	mg/kg	0.129	0.412	1	8270E	9/1/2020	9/1/2020	MJR	1
2,6-Dinitrotoluene	< 0.036	mg/kg	0.036	0.114	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrotoluene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-octyl phthalate	< 0.0244	mg/kg	0.0244	0.0776	1	8270E	9/1/2020	9/1/2020	MJR	1
Diphenylamine	< 0.0281	mg/kg	0.0281	0.0892	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluoranthene	< 0.0173	mg/kg	0.0173	0.0549	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluorene	< 0.0293	mg/kg	0.0293	0.0931	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobenzene	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobutadiene	< 0.0292	mg/kg	0.0292	0.0928	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorocyclopentadiene	< 0.036	mg/kg	0.036	0.115	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachloroethane	< 0.0248	mg/kg	0.0248	0.0789	1	8270E	9/1/2020	9/1/2020	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.0327	mg/kg	0.0327	0.104	1	8270E	9/1/2020	9/1/2020	MJR	1
Isophorone	< 0.0309	mg/kg	0.0309	0.0982	1	8270E	9/1/2020	9/1/2020	MJR	1
1-Methyl naphthalene	< 0.0216	mg/kg	0.0216	0.0688	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl naphthalene	< 0.0234	mg/kg	0.0234	0.0745	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.0887	mg/kg	0.0887	0.282	1	8270E	9/1/2020	9/1/2020	MJR	1
Naphthalene	< 0.0207	mg/kg	0.0207	0.0658	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitroaniline	< 0.0256	mg/kg	0.0256	0.0814	1	8270E	9/1/2020	9/1/2020	MJR	1
3-Nitroaniline	< 0.144	mg/kg	0.144	0.458	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitroaniline	< 0.0511	mg/kg	0.0511	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene	< 0.0415	mg/kg	0.0415	0.132	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitrophenol	< 0.0187	mg/kg	0.0187	0.0595	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitrophenol	< 0.0761	mg/kg	0.0761	0.242	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodimethylamine	< 0.0254	mg/kg	0.0254	0.0808	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodi-n-propylamine	< 0.0266	mg/kg	0.0266	0.0845	1	8270E	9/1/2020	9/1/2020	MJR	1
Pentachlorophenol (PCP)	< 0.148	mg/kg	0.148	0.47	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenanthrene	< 0.0179	mg/kg	0.0179	0.0568	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyrene	< 0.0181	mg/kg	0.0181	0.0575	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyridine	< 0.0261	mg/kg	0.0261	0.0834	1	8270E	9/1/2020	9/1/2020	MJR	1
2,3,4,6-Tetrachlorophenol	< 0.0475	mg/kg	0.0475	0.151	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2,4-Trichlorobenzene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,5-Trichlorophenol	< 0.0365	mg/kg	0.0365	0.116	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Trichlorophenol	< 0.0386	mg/kg	0.0386	0.123	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorobiphenyl-surrogate	65	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorophenol-surrogate	78	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene-d5-surrogate	75	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol-d6-surrogate	73	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
p-Terphenyl-d14-surrogate	69	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Tribromophenol-surrogate	52	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
VOC's										
Benzene	< 0.015	mg/kg	0.015	0.047	1	8260B		9/2/2020	CJR	1
Bromobenzene	< 0.045	mg/kg	0.045	0.14	1	8260B		9/2/2020	CJR	1

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Sample ID GP-5 4-6
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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromodichloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		9/2/2020	CJR	1
Bromoform	< 0.048	mg/kg	0.048	0.15	1	8260B		9/2/2020	CJR	1
tert-Butylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		9/2/2020	CJR	1
sec-Butylbenzene	< 0.024	mg/kg	0.024	0.077	1	8260B		9/2/2020	CJR	1
n-Butylbenzene	< 0.018	mg/kg	0.018	0.056	1	8260B		9/2/2020	CJR	1
Carbon Tetrachloride	< 0.055	mg/kg	0.055	0.17	1	8260B		9/2/2020	CJR	1
Chlorobenzene	< 0.022	mg/kg	0.022	0.07	1	8260B		9/2/2020	CJR	1
Chloroethane	< 0.11	mg/kg	0.11	0.35	1	8260B		9/2/2020	CJR	1
Chloroform	< 0.053	mg/kg	0.053	0.17	1	8260B		9/2/2020	CJR	1
Chloromethane	< 0.088	mg/kg	0.088	0.28	1	8260B		9/2/2020	CJR	1
2-Chlorotoluene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/2/2020	CJR	1
4-Chlorotoluene	< 0.017	mg/kg	0.017	0.054	1	8260B		9/2/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.064	mg/kg	0.064	0.2	1	8260B		9/2/2020	CJR	1
Dibromochloromethane	< 0.056	mg/kg	0.056	0.18	1	8260B		9/2/2020	CJR	1
1,4-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		9/2/2020	CJR	1
1,3-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		9/2/2020	CJR	1
1,2-Dichlorobenzene	< 0.024	mg/kg	0.024	0.076	1	8260B		9/2/2020	CJR	1
Dichlorodifluoromethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/2/2020	CJR	1
1,2-Dichloroethane	< 0.037	mg/kg	0.037	0.12	1	8260B		9/2/2020	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.078	1	8260B		9/2/2020	CJR	1
1,1-Dichloroethene	< 0.073	mg/kg	0.073	0.23	1	8260B		9/2/2020	CJR	1
cis-1,2-Dichloroethene	< 0.021	mg/kg	0.021	0.069	1	8260B		9/2/2020	CJR	1
trans-1,2-Dichloroethene	< 0.038	mg/kg	0.038	0.12	1	8260B		9/2/2020	CJR	1
1,2-Dichloropropane	< 0.069	mg/kg	0.069	0.22	1	8260B		9/2/2020	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		9/2/2020	CJR	1
trans-1,3-Dichloropropene	< 0.036	mg/kg	0.036	0.11	1	8260B		9/2/2020	CJR	1
cis-1,3-Dichloropropene	< 0.048	mg/kg	0.048	0.15	1	8260B		9/2/2020	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.09	1	8260B		9/2/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.021	mg/kg	0.021	0.068	1	8260B		9/2/2020	CJR	1
Ethylbenzene	< 0.019	mg/kg	0.019	0.061	1	8260B		9/2/2020	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.32	1	8260B		9/2/2020	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.078	1	8260B		9/2/2020	CJR	1
p-Isopropyltoluene	< 0.026	mg/kg	0.026	0.083	1	8260B		9/2/2020	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		9/2/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.041	mg/kg	0.041	0.13	1	8260B		9/2/2020	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		9/2/2020	CJR	1
n-Propylbenzene	< 0.019	mg/kg	0.019	0.062	1	8260B		9/2/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/2/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.083	mg/kg	0.083	0.26	1	8260B		9/2/2020	CJR	1
Tetrachloroethene	< 0.04	mg/kg	0.04	0.13	1	8260B		9/2/2020	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		9/2/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.087	mg/kg	0.087	0.27	1	8260B		9/2/2020	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/2/2020	CJR	1
1,1,1-Trichloroethane	< 0.053	mg/kg	0.053	0.17	1	8260B		9/2/2020	CJR	1
1,1,2-Trichloroethane	< 0.06	mg/kg	0.06	0.19	1	8260B		9/2/2020	CJR	1
Trichloroethene (TCE)	< 0.048	mg/kg	0.048	0.15	1	8260B		9/2/2020	CJR	1

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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichlorofluoromethane	< 0.1	mg/kg	0.1	0.33	1	8260B		9/2/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.054	mg/kg	0.054	0.17	1	8260B		9/2/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.017	mg/kg	0.017	0.053	1	8260B		9/2/2020	CJR	1
Vinyl Chloride	< 0.066	mg/kg	0.066	0.21	1	8260B		9/2/2020	CJR	1
m&p-Xylene	< 0.083	mg/kg	0.083	0.27	1	8260B		9/2/2020	CJR	1
o-Xylene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/2/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	102	Rec %			1	8260B		9/2/2020	CJR	1
SUR - 4-Bromofluorobenzene	114	Rec %			1	8260B		9/2/2020	CJR	1
SUR - Dibromofluoromethane	105	Rec %			1	8260B		9/2/2020	CJR	1
SUR - Toluene-d8	102	Rec %			1	8260B		9/2/2020	CJR	1

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Project # 19558

Lab Code 5038383F
Sample ID GP-6 4-6
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.2	%			1	5021		8/27/2020	MJR	1
Inorganic										
Metals										
Arsenic, Total	4.67	mg/Kg	0.33	1.09	1	6010B		9/1/2020	CWT	1
Barium, Total	40.7	mg/Kg	0.21	0.7	1	6010B		9/1/2020	CWT	1
Cadmium, Total	< 0.08	mg/Kg	0.08	0.25	1	6010B		9/1/2020	CWT	1
Chromium, Total	22.6	mg/Kg	0.08	0.26	1	6010B		9/1/2020	CWT	1
Lead, Total	8.36	mg/Kg	0.17	0.58	1	6010B		9/1/2020	CWT	1
Mercury, Total	0.019	mg/kg	0.019	0.064	1	7471		9/2/2020	CWT	1
Selenium, Total	0.796 "J"	mg/Kg	0.52	1.73	1	6010B		9/1/2020	CWT	1
Silver, Total	< 0.57	mg/Kg	0.57	1.89	1	6010B		9/1/2020	CWT	1
Organic										
Semi Volatiles										
Acetophenone	< 0.0342	mg/kg	0.0342	0.109	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthene	< 0.027	mg/kg	0.027	0.086	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthylene	< 0.0261	mg/kg	0.0261	0.083	1	8270E	9/1/2020	9/1/2020	MJR	1
Anthracene	< 0.0151	mg/kg	0.0151	0.0479	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)anthracene	< 0.0148	mg/kg	0.0148	0.0472	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)pyrene	< 0.0149	mg/kg	0.0149	0.0475	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(b)fluoranthene	< 0.02	mg/kg	0.02	0.0636	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(g,h,i)perylene	< 0.0209	mg/kg	0.0209	0.0666	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(k)fluoranthene	< 0.0137	mg/kg	0.0137	0.0437	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzyl Alcohol	< 0.131	mg/kg	0.131	0.415	1	8270E	9/1/2020	9/1/2020	MJR	1
Butyl benzyl phthalate	< 0.0265	mg/kg	0.0265	0.0843	1	8270E	9/1/2020	9/1/2020	MJR	5
Bis(2-chloroethoxy)methane	< 0.0216	mg/kg	0.0216	0.0686	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroethyl)ether	< 0.0554	mg/kg	0.0554	0.176	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroisopropyl)ether	< 0.0183	mg/kg	0.0183	0.0583	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-ethylhexyl)phthalate	< 0.0898	mg/kg	0.0898	0.186	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Bromophenylphenyl ether	< 0.0249	mg/kg	0.0249	0.0791	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chloro-3-methylphenol	< 254	mg/kg	0.0254	0.081	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chloronaphthalene	< 0.021	mg/kg	0.021	0.0667	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chlorophenol	< 0.0236	mg/kg	0.0236	0.0752	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chlorophenylphenyl ether	< 0.0193	mg/kg	0.0193	0.0612	1	8270E	9/1/2020	9/1/2020	MJR	1
Chrysene	< 0.196	mg/kg	0.196	0.0624	1	8270E	9/1/2020	9/1/2020	MJR	1
o-Cresol	< 0.027	mg/kg	0.027	0.084	1	8270E	9/1/2020	9/1/2020	MJR	1
m & p-Cresol	< 0.029	mg/kg	0.029	0.095	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzofuran	< 0.0275	mg/kg	0.0275	0.0875	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzo(a,h)anthracene	< 0.0188	mg/kg	0.0188	0.0598	1	8270E	9/1/2020	9/1/2020	MJR	1
1,4-Dichlorobenzene	< 0.0194	mg/kg	0.0194	0.0618	1	8270E	9/1/2020	9/1/2020	MJR	1
1,3-Dichlorobenzene	< 0.0199	mg/kg	0.0199	0.0632	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2-Dichlorobenzene	< 0.0245	mg/kg	0.0245	0.0779	1	8270E	9/1/2020	9/1/2020	MJR	1
3,3'-Dichlorobenzidine	< 0.0406	mg/kg	0.0406	0.129	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dichlorophenol	< 0.0512	mg/kg	0.0512	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Diethyl phthalate	< 0.029	mg/kg	0.029	0.0922	1	8270E	9/1/2020	9/1/2020	MJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383F
Sample ID GP-6 4-6
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Dimethyl phthalate	0.286	mg/kg	0.0267	0.0849	1	8270E	9/1/2020	9/1/2020	MJR	5
2,4-Dimethylphenol	< 0.0241	mg/kg	0.0241	0.0768	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-butyl phthalate	< 0.139	mg/kg	0.139	0.441	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrophenol	< 0.129	mg/kg	0.129	0.412	1	8270E	9/1/2020	9/1/2020	MJR	1
2,6-Dinitrotoluene	< 0.036	mg/kg	0.036	0.114	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrotoluene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-octyl phthalate	< 0.0244	mg/kg	0.0244	0.0776	1	8270E	9/1/2020	9/1/2020	MJR	1
Diphenylamine	< 0.0281	mg/kg	0.0281	0.0892	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluoranthene	< 0.0173	mg/kg	0.0173	0.0549	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluorene	< 0.0293	mg/kg	0.0293	0.0931	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobenzene	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobutadiene	< 0.0292	mg/kg	0.0292	0.0928	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorocyclopentadiene	< 0.036	mg/kg	0.036	0.115	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachloroethane	< 0.0248	mg/kg	0.0248	0.0789	1	8270E	9/1/2020	9/1/2020	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.0327	mg/kg	0.0327	0.104	1	8270E	9/1/2020	9/1/2020	MJR	1
Isophorone	< 0.0309	mg/kg	0.0309	0.0982	1	8270E	9/1/2020	9/1/2020	MJR	1
1-Methyl naphthalene	< 0.0216	mg/kg	0.0216	0.0688	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl naphthalene	< 0.0234	mg/kg	0.0234	0.0745	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.0887	mg/kg	0.0887	0.282	1	8270E	9/1/2020	9/1/2020	MJR	1
Naphthalene	< 0.0207	mg/kg	0.0207	0.0658	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitroaniline	< 0.0256	mg/kg	0.0256	0.0814	1	8270E	9/1/2020	9/1/2020	MJR	1
3-Nitroaniline	< 0.144	mg/kg	0.144	0.458	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitroaniline	< 0.0511	mg/kg	0.0511	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene	< 0.0415	mg/kg	0.0415	0.132	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitrophenol	< 0.0187	mg/kg	0.0187	0.0595	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitrophenol	< 0.0761	mg/kg	0.0761	0.242	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodimethylamine	< 0.0254	mg/kg	0.0254	0.0808	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodi-n-propylamine	< 0.0266	mg/kg	0.0266	0.0845	1	8270E	9/1/2020	9/1/2020	MJR	1
Pentachlorophenol (PCP)	< 0.148	mg/kg	0.148	0.47	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenanthrene	< 0.0179	mg/kg	0.0179	0.0568	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol	0.0245 "J"	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyrene	< 0.0181	mg/kg	0.0181	0.0575	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyridine	< 0.0261	mg/kg	0.0261	0.0834	1	8270E	9/1/2020	9/1/2020	MJR	1
2,3,4,6-Tetrachlorophenol	< 0.0475	mg/kg	0.0475	0.151	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2,4-Trichlorobenzene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,5-Trichlorophenol	< 0.0365	mg/kg	0.0365	0.116	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Trichlorophenol	< 0.0386	mg/kg	0.0386	0.123	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorobiphenyl-surrogate	60	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorophenol-surrogate	67	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene-d5-surrogate	66	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol-d6-surrogate	66	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
p-Terphenyl-d14-surrogate	76	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Tribromophenol-surrogate	60	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
VOC's										
Benzene	< 0.015	mg/kg	0.015	0.047	1	8260B		9/2/2020	CJR	1
Bromobenzene	< 0.045	mg/kg	0.045	0.14	1	8260B		9/2/2020	CJR	1

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Sample ID GP-6 4-6
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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromodichloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		9/2/2020	CJR	1
Bromoform	< 0.048	mg/kg	0.048	0.15	1	8260B		9/2/2020	CJR	1
tert-Butylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		9/2/2020	CJR	1
sec-Butylbenzene	< 0.024	mg/kg	0.024	0.077	1	8260B		9/2/2020	CJR	1
n-Butylbenzene	< 0.018	mg/kg	0.018	0.056	1	8260B		9/2/2020	CJR	1
Carbon Tetrachloride	< 0.055	mg/kg	0.055	0.17	1	8260B		9/2/2020	CJR	1
Chlorobenzene	< 0.022	mg/kg	0.022	0.07	1	8260B		9/2/2020	CJR	1
Chloroethane	< 0.11	mg/kg	0.11	0.35	1	8260B		9/2/2020	CJR	1
Chloroform	< 0.053	mg/kg	0.053	0.17	1	8260B		9/2/2020	CJR	1
Chloromethane	< 0.088	mg/kg	0.088	0.28	1	8260B		9/2/2020	CJR	1
2-Chlorotoluene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/2/2020	CJR	1
4-Chlorotoluene	< 0.017	mg/kg	0.017	0.054	1	8260B		9/2/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.064	mg/kg	0.064	0.2	1	8260B		9/2/2020	CJR	1
Dibromochloromethane	< 0.056	mg/kg	0.056	0.18	1	8260B		9/2/2020	CJR	1
1,4-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		9/2/2020	CJR	1
1,3-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		9/2/2020	CJR	1
1,2-Dichlorobenzene	< 0.024	mg/kg	0.024	0.076	1	8260B		9/2/2020	CJR	1
Dichlorodifluoromethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/2/2020	CJR	1
1,2-Dichloroethane	< 0.037	mg/kg	0.037	0.12	1	8260B		9/2/2020	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.078	1	8260B		9/2/2020	CJR	1
1,1-Dichloroethene	< 0.073	mg/kg	0.073	0.23	1	8260B		9/2/2020	CJR	1
cis-1,2-Dichloroethene	< 0.021	mg/kg	0.021	0.069	1	8260B		9/2/2020	CJR	1
trans-1,2-Dichloroethene	< 0.038	mg/kg	0.038	0.12	1	8260B		9/2/2020	CJR	1
1,2-Dichloropropane	< 0.069	mg/kg	0.069	0.22	1	8260B		9/2/2020	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		9/2/2020	CJR	1
trans-1,3-Dichloropropene	< 0.036	mg/kg	0.036	0.11	1	8260B		9/2/2020	CJR	1
cis-1,3-Dichloropropene	< 0.048	mg/kg	0.048	0.15	1	8260B		9/2/2020	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.09	1	8260B		9/2/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.021	mg/kg	0.021	0.068	1	8260B		9/2/2020	CJR	1
Ethylbenzene	< 0.019	mg/kg	0.019	0.061	1	8260B		9/2/2020	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.32	1	8260B		9/2/2020	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.078	1	8260B		9/2/2020	CJR	1
p-Isopropyltoluene	< 0.026	mg/kg	0.026	0.083	1	8260B		9/2/2020	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		9/2/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.041	mg/kg	0.041	0.13	1	8260B		9/2/2020	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		9/2/2020	CJR	1
n-Propylbenzene	< 0.019	mg/kg	0.019	0.062	1	8260B		9/2/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/2/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.083	mg/kg	0.083	0.26	1	8260B		9/2/2020	CJR	1
Tetrachloroethene	< 0.04	mg/kg	0.04	0.13	1	8260B		9/2/2020	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		9/2/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.087	mg/kg	0.087	0.27	1	8260B		9/2/2020	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/2/2020	CJR	1
1,1,1-Trichloroethane	< 0.053	mg/kg	0.053	0.17	1	8260B		9/2/2020	CJR	1
1,1,2-Trichloroethane	< 0.06	mg/kg	0.06	0.19	1	8260B		9/2/2020	CJR	1
Trichloroethene (TCE)	< 0.048	mg/kg	0.048	0.15	1	8260B		9/2/2020	CJR	1

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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichlorofluoromethane	< 0.1	mg/kg	0.1	0.33	1	8260B		9/2/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.054	mg/kg	0.054	0.17	1	8260B		9/2/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.017	mg/kg	0.017	0.053	1	8260B		9/2/2020	CJR	1
Vinyl Chloride	< 0.066	mg/kg	0.066	0.21	1	8260B		9/2/2020	CJR	1
m&p-Xylene	< 0.083	mg/kg	0.083	0.27	1	8260B		9/2/2020	CJR	1
o-Xylene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/2/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	101	Rec %			1	8260B		9/2/2020	CJR	1
SUR - Toluene-d8	99	Rec %			1	8260B		9/2/2020	CJR	1
SUR - 4-Bromofluorobenzene	112	Rec %			1	8260B		9/2/2020	CJR	1
SUR - Dibromofluoromethane	101	Rec %			1	8260B		9/2/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383G
Sample ID GP-7 2-4
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	68.8	%			1	5021		8/27/2020	MJR	1
Inorganic										
Metals										
Arsenic, Total	127	mg/Kg	0.33	1.09	1	6010B		9/1/2020	CWT	1
Barium, Total	126	mg/Kg	0.21	0.7	1	6010B		9/1/2020	CWT	1
Cadmium, Total	5.23	mg/Kg	0.08	0.25	1	6010B		9/1/2020	CWT	1
Chromium, Total	29.4	mg/Kg	0.08	0.26	1	6010B		9/1/2020	CWT	1
Lead, Total	331	mg/Kg	0.17	0.58	1	6010B		9/1/2020	CWT	1
Mercury, Total	0.213	mg/kg	0.019	0.064	1	7471		9/2/2020	CWT	1
Selenium, Total	2.81	mg/Kg	0.52	1.73	1	6010B		9/1/2020	CWT	1
Silver, Total	< 0.57	mg/Kg	0.57	1.89	1	6010B		9/1/2020	CWT	1
Organic										
Semi Volatiles										
Acetophenone	< 0.0342	mg/kg	0.0342	0.109	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthene	0.128	mg/kg	0.027	0.086	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthylene	0.056 "J"	mg/kg	0.0261	0.083	1	8270E	9/1/2020	9/1/2020	MJR	1
Anthracene	0.296	mg/kg	0.0151	0.0479	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)anthracene	1.09	mg/kg	0.0148	0.0472	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)pyrene	1.09	mg/kg	0.0149	0.0475	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(b)fluoranthene	1.32	mg/kg	0.02	0.0636	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(g,h,i)perylene	0.46	mg/kg	0.0209	0.0666	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(k)fluoranthene	0.35	mg/kg	0.0137	0.0437	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzyl Alcohol	< 0.131	mg/kg	0.131	0.415	1	8270E	9/1/2020	9/1/2020	MJR	1
Butyl benzyl phthalate	< 0.0265	mg/kg	0.0265	0.0843	1	8270E	9/1/2020	9/1/2020	MJR	5
Bis(2-chloroethoxy)methane	< 0.0216	mg/kg	0.0216	0.0686	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroethyl)ether	< 0.0554	mg/kg	0.0554	0.176	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroisopropyl)ether	< 0.0183	mg/kg	0.0183	0.0583	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-ethylhexyl)phthalate	< 0.0898	mg/kg	0.0898	0.186	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Bromophenylphenyl ether	< 0.0249	mg/kg	0.0249	0.0791	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chloro-3-methylphenol	< 254	mg/kg	0.0254	0.081	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chloronaphthalene	< 0.021	mg/kg	0.021	0.0667	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chlorophenol	< 0.0236	mg/kg	0.0236	0.0752	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chlorophenylphenyl ether	< 0.0193	mg/kg	0.0193	0.0612	1	8270E	9/1/2020	9/1/2020	MJR	1
Chrysene	1.08	mg/kg	0.196	0.0624	1	8270E	9/1/2020	9/1/2020	MJR	1
o-Cresol	< 0.027	mg/kg	0.027	0.084	1	8270E	9/1/2020	9/1/2020	MJR	1
m & p-Cresol	< 0.029	mg/kg	0.029	0.095	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzofuran	0.053 "J"	mg/kg	0.0275	0.0875	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzo(a,h)anthracene	0.123	mg/kg	0.0188	0.0598	1	8270E	9/1/2020	9/1/2020	MJR	1
1,4-Dichlorobenzene	< 0.0194	mg/kg	0.0194	0.0618	1	8270E	9/1/2020	9/1/2020	MJR	1
1,3-Dichlorobenzene	< 0.0199	mg/kg	0.0199	0.0632	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2-Dichlorobenzene	< 0.0245	mg/kg	0.0245	0.0779	1	8270E	9/1/2020	9/1/2020	MJR	1
3,3'-Dichlorobenzidine	< 0.0406	mg/kg	0.0406	0.129	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dichlorophenol	< 0.0512	mg/kg	0.0512	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Diethyl phthalate	< 0.029	mg/kg	0.029	0.0922	1	8270E	9/1/2020	9/1/2020	MJR	1

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Sample ID GP-7 2-4
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Dimethyl phthalate	0.276	mg/kg	0.0267	0.0849	1	8270E	9/1/2020	9/1/2020	MJR	5
2,4-Dimethylphenol	< 0.0241	mg/kg	0.0241	0.0768	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-butyl phthalate	< 0.139	mg/kg	0.139	0.441	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrophenol	< 0.129	mg/kg	0.129	0.412	1	8270E	9/1/2020	9/1/2020	MJR	1
2,6-Dinitrotoluene	< 0.036	mg/kg	0.036	0.114	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrotoluene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-octyl phthalate	< 0.0244	mg/kg	0.0244	0.0776	1	8270E	9/1/2020	9/1/2020	MJR	1
Diphenylamine	< 0.0281	mg/kg	0.0281	0.0892	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluoranthene	2.62	mg/kg	0.0173	0.0549	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluorene	0.125	mg/kg	0.0293	0.0931	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobenzene	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobutadiene	< 0.0292	mg/kg	0.0292	0.0928	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorocyclopentadiene	< 0.036	mg/kg	0.036	0.115	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachloroethane	< 0.0248	mg/kg	0.0248	0.0789	1	8270E	9/1/2020	9/1/2020	MJR	1
Indeno(1,2,3-cd)pyrene	0.43	mg/kg	0.0327	0.104	1	8270E	9/1/2020	9/1/2020	MJR	1
Isophorone	< 0.0309	mg/kg	0.0309	0.0982	1	8270E	9/1/2020	9/1/2020	MJR	1
1-Methyl naphthalene	0.082	mg/kg	0.0216	0.0688	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl naphthalene	0.062 "J"	mg/kg	0.0234	0.0745	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.0887	mg/kg	0.0887	0.282	1	8270E	9/1/2020	9/1/2020	MJR	1
Naphthalene	0.091	mg/kg	0.0207	0.0658	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitroaniline	< 0.0256	mg/kg	0.0256	0.0814	1	8270E	9/1/2020	9/1/2020	MJR	1
3-Nitroaniline	< 0.144	mg/kg	0.144	0.458	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitroaniline	< 0.0511	mg/kg	0.0511	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene	< 0.0415	mg/kg	0.0415	0.132	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitrophenol	< 0.0187	mg/kg	0.0187	0.0595	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitrophenol	< 0.0761	mg/kg	0.0761	0.242	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodimethylamine	< 0.0254	mg/kg	0.0254	0.0808	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodi-n-propylamine	< 0.0266	mg/kg	0.0266	0.0845	1	8270E	9/1/2020	9/1/2020	MJR	1
Pentachlorophenol (PCP)	< 0.148	mg/kg	0.148	0.47	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenanthrene	1.48	mg/kg	0.0179	0.0568	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol	0.042 "J"	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyrene	2.11	mg/kg	0.0181	0.0575	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyridine	0.0268 "J"	mg/kg	0.0261	0.0834	1	8270E	9/1/2020	9/1/2020	MJR	1
2,3,4,6-Tetrachlorophenol	< 0.0475	mg/kg	0.0475	0.151	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2,4-Trichlorobenzene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,5-Trichlorophenol	< 0.0365	mg/kg	0.0365	0.116	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Trichlorophenol	< 0.0386	mg/kg	0.0386	0.123	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorobiphenyl-surrogate	47	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorophenol-surrogate	52	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene-d5-surrogate	49	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol-d6-surrogate	52	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
p-Terphenyl-d14-surrogate	44	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Tribromophenol-surrogate	46	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
VOC's										
Benzene	< 0.015	mg/kg	0.015	0.047	1	8260B		9/3/2020	CJR	1
Bromobenzene	< 0.045	mg/kg	0.045	0.14	1	8260B		9/3/2020	CJR	1

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Project # 19558

Lab Code 5038383G
Sample ID GP-7 2-4
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromodichloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		9/3/2020	CJR	1
Bromoform	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1
tert-Butylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		9/3/2020	CJR	1
sec-Butylbenzene	< 0.024	mg/kg	0.024	0.077	1	8260B		9/3/2020	CJR	1
n-Butylbenzene	< 0.018	mg/kg	0.018	0.056	1	8260B		9/3/2020	CJR	1
Carbon Tetrachloride	< 0.055	mg/kg	0.055	0.17	1	8260B		9/3/2020	CJR	1
Chlorobenzene	< 0.022	mg/kg	0.022	0.07	1	8260B		9/3/2020	CJR	1
Chloroethane	< 0.11	mg/kg	0.11	0.35	1	8260B		9/3/2020	CJR	1
Chloroform	< 0.053	mg/kg	0.053	0.17	1	8260B		9/3/2020	CJR	1
Chloromethane	< 0.088	mg/kg	0.088	0.28	1	8260B		9/3/2020	CJR	1
2-Chlorotoluene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
4-Chlorotoluene	< 0.017	mg/kg	0.017	0.054	1	8260B		9/3/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.064	mg/kg	0.064	0.2	1	8260B		9/3/2020	CJR	1
Dibromochloromethane	< 0.056	mg/kg	0.056	0.18	1	8260B		9/3/2020	CJR	1
1,4-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		9/3/2020	CJR	1
1,3-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		9/3/2020	CJR	1
1,2-Dichlorobenzene	< 0.024	mg/kg	0.024	0.076	1	8260B		9/3/2020	CJR	1
Dichlorodifluoromethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
1,2-Dichloroethane	< 0.037	mg/kg	0.037	0.12	1	8260B		9/3/2020	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.078	1	8260B		9/3/2020	CJR	1
1,1-Dichloroethene	< 0.073	mg/kg	0.073	0.23	1	8260B		9/3/2020	CJR	1
cis-1,2-Dichloroethene	< 0.021	mg/kg	0.021	0.069	1	8260B		9/3/2020	CJR	1
trans-1,2-Dichloroethene	< 0.038	mg/kg	0.038	0.12	1	8260B		9/3/2020	CJR	1
1,2-Dichloropropane	< 0.069	mg/kg	0.069	0.22	1	8260B		9/3/2020	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		9/3/2020	CJR	1
trans-1,3-Dichloropropene	< 0.036	mg/kg	0.036	0.11	1	8260B		9/3/2020	CJR	1
cis-1,3-Dichloropropene	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.021	mg/kg	0.021	0.068	1	8260B		9/3/2020	CJR	1
Ethylbenzene	< 0.019	mg/kg	0.019	0.061	1	8260B		9/3/2020	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.32	1	8260B		9/3/2020	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.078	1	8260B		9/3/2020	CJR	1
p-Isopropyltoluene	0.0313 "J"	mg/kg	0.026	0.083	1	8260B		9/3/2020	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		9/3/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.041	mg/kg	0.041	0.13	1	8260B		9/3/2020	CJR	1
Naphthalene	0.276 "J"	mg/kg	0.12	0.38	1	8260B		9/3/2020	CJR	1
n-Propylbenzene	< 0.019	mg/kg	0.019	0.062	1	8260B		9/3/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.083	mg/kg	0.083	0.26	1	8260B		9/3/2020	CJR	1
Tetrachloroethene	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		9/3/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.087	mg/kg	0.087	0.27	1	8260B		9/3/2020	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/3/2020	CJR	1
1,1,1-Trichloroethane	< 0.053	mg/kg	0.053	0.17	1	8260B		9/3/2020	CJR	1
1,1,2-Trichloroethane	< 0.06	mg/kg	0.06	0.19	1	8260B		9/3/2020	CJR	1
Trichloroethene (TCE)	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1

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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichlorofluoromethane	< 0.1	mg/kg	0.1	0.33	1	8260B		9/3/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.054	mg/kg	0.054	0.17	1	8260B		9/3/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.017	mg/kg	0.017	0.053	1	8260B		9/3/2020	CJR	1
Vinyl Chloride	< 0.066	mg/kg	0.066	0.21	1	8260B		9/3/2020	CJR	1
m&p-Xylene	< 0.083	mg/kg	0.083	0.27	1	8260B		9/3/2020	CJR	1
o-Xylene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	105	Rec %			1	8260B		9/3/2020	CJR	1
SUR - 4-Bromofluorobenzene	114	Rec %			1	8260B		9/3/2020	CJR	1
SUR - Dibromofluoromethane	104	Rec %			1	8260B		9/3/2020	CJR	1
SUR - Toluene-d8	101	Rec %			1	8260B		9/3/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383H
Sample ID GP-8 1-3
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.0	%			1	5021		8/27/2020	MJR	1
Inorganic										
Metals										
Arsenic, Total	6.01	mg/Kg	0.66	2.18	2	6010B		9/1/2020	CWT	1 49
Barium, Total	65.4	mg/Kg	0.21	0.7	1	6010B		9/1/2020	CWT	1
Cadmium, Total	0.706	mg/Kg	0.08	0.25	1	6010B		9/1/2020	CWT	1
Chromium, Total	25.4	mg/Kg	0.08	0.26	1	6010B		9/1/2020	CWT	1
Lead, Total	155	mg/Kg	0.17	0.58	1	6010B		9/1/2020	CWT	1
Mercury, Total	0.067	mg/kg	0.019	0.064	1	7471		9/2/2020	CWT	1
Selenium, Total	2.08	mg/Kg	0.52	1.73	1	6010B		9/1/2020	CWT	1
Silver, Total	< 0.57	mg/Kg	0.57	1.89	1	6010B		9/1/2020	CWT	1
Organic										
Semi Volatiles										
Acetophenone	< 0.0342	mg/kg	0.0342	0.109	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthene	< 0.027	mg/kg	0.027	0.086	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthylene	< 0.0261	mg/kg	0.0261	0.083	1	8270E	9/1/2020	9/1/2020	MJR	1
Anthracene	0.074	mg/kg	0.0151	0.0479	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)anthracene	0.32	mg/kg	0.0148	0.0472	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)pyrene	0.304	mg/kg	0.0149	0.0475	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(b)fluoranthene	0.37	mg/kg	0.02	0.0636	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(g,h,i)perylene	0.122	mg/kg	0.0209	0.0666	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(k)fluoranthene	0.117	mg/kg	0.0137	0.0437	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzyl Alcohol	< 0.131	mg/kg	0.131	0.415	1	8270E	9/1/2020	9/1/2020	MJR	1
Butyl benzyl phthalate	< 0.0265	mg/kg	0.0265	0.0843	1	8270E	9/1/2020	9/1/2020	MJR	5
Bis(2-chloroethoxy)methane	< 0.0216	mg/kg	0.0216	0.0686	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroethyl)ether	< 0.0554	mg/kg	0.0554	0.176	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroisopropyl)ether	< 0.0183	mg/kg	0.0183	0.0583	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-ethylhexyl)phthalate	< 0.0898	mg/kg	0.0898	0.186	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Bromophenylphenyl ether	< 0.0249	mg/kg	0.0249	0.0791	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chloro-3-methylphenol	< 254	mg/kg	0.0254	0.081	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chloronaphthalene	< 0.021	mg/kg	0.021	0.0667	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chlorophenol	< 0.0236	mg/kg	0.0236	0.0752	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chlorophenylphenyl ether	< 0.0193	mg/kg	0.0193	0.0612	1	8270E	9/1/2020	9/1/2020	MJR	1
Chrysene	0.246	mg/kg	0.196	0.0624	1	8270E	9/1/2020	9/1/2020	MJR	1
o-Cresol	< 0.027	mg/kg	0.027	0.084	1	8270E	9/1/2020	9/1/2020	MJR	1
m & p-Cresol	< 0.029	mg/kg	0.029	0.095	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzofuran	0.035 "J"	mg/kg	0.0275	0.0875	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzo(a,h)anthracene	0.032 "J"	mg/kg	0.0188	0.0598	1	8270E	9/1/2020	9/1/2020	MJR	1
1,4-Dichlorobenzene	< 0.0194	mg/kg	0.0194	0.0618	1	8270E	9/1/2020	9/1/2020	MJR	1
1,3-Dichlorobenzene	< 0.0199	mg/kg	0.0199	0.0632	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2-Dichlorobenzene	< 0.0245	mg/kg	0.0245	0.0779	1	8270E	9/1/2020	9/1/2020	MJR	1
3,3'-Dichlorobenzidine	< 0.0406	mg/kg	0.0406	0.129	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dichlorophenol	< 0.0512	mg/kg	0.0512	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Diethyl phthalate	< 0.029	mg/kg	0.029	0.0922	1	8270E	9/1/2020	9/1/2020	MJR	1

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Lab Code 5038383H
Sample ID GP-8 1-3
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Dimethyl phthalate	0.10	mg/kg	0.0267	0.0849	1	8270E	9/1/2020	9/1/2020	MJR	5
2,4-Dimethylphenol	< 0.0241	mg/kg	0.0241	0.0768	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-butyl phthalate	< 0.139	mg/kg	0.139	0.441	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrophenol	< 0.129	mg/kg	0.129	0.412	1	8270E	9/1/2020	9/1/2020	MJR	1
2,6-Dinitrotoluene	< 0.036	mg/kg	0.036	0.114	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrotoluene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-octyl phthalate	< 0.0244	mg/kg	0.0244	0.0776	1	8270E	9/1/2020	9/1/2020	MJR	1
Diphenylamine	< 0.0281	mg/kg	0.0281	0.0892	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluoranthene	0.60	mg/kg	0.0173	0.0549	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluorene	< 0.0293	mg/kg	0.0293	0.0931	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobenzene	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobutadiene	< 0.0292	mg/kg	0.0292	0.0928	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorocyclopentadiene	< 0.036	mg/kg	0.036	0.115	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachloroethane	< 0.0248	mg/kg	0.0248	0.0789	1	8270E	9/1/2020	9/1/2020	MJR	1
Indeno(1,2,3-cd)pyrene	0.107	mg/kg	0.0327	0.104	1	8270E	9/1/2020	9/1/2020	MJR	1
Isophorone	< 0.0309	mg/kg	0.0309	0.0982	1	8270E	9/1/2020	9/1/2020	MJR	1
1-Methyl naphthalene	0.068 "J"	mg/kg	0.0216	0.0688	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl naphthalene	0.073 "J"	mg/kg	0.0234	0.0745	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.0887	mg/kg	0.0887	0.282	1	8270E	9/1/2020	9/1/2020	MJR	1
Naphthalene	0.036 "J"	mg/kg	0.0207	0.0658	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitroaniline	< 0.0256	mg/kg	0.0256	0.0814	1	8270E	9/1/2020	9/1/2020	MJR	1
3-Nitroaniline	< 0.144	mg/kg	0.144	0.458	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitroaniline	< 0.0511	mg/kg	0.0511	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene	< 0.0415	mg/kg	0.0415	0.132	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitrophenol	< 0.0187	mg/kg	0.0187	0.0595	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitrophenol	< 0.0761	mg/kg	0.0761	0.242	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodimethylamine	< 0.0254	mg/kg	0.0254	0.0808	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodi-n-propylamine	< 0.0266	mg/kg	0.0266	0.0845	1	8270E	9/1/2020	9/1/2020	MJR	1
Pentachlorophenol (PCP)	< 0.148	mg/kg	0.148	0.47	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenanthrene	0.40	mg/kg	0.0179	0.0568	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol	0.0196 "J"	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyrene	0.52	mg/kg	0.0181	0.0575	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyridine	< 0.0261	mg/kg	0.0261	0.0834	1	8270E	9/1/2020	9/1/2020	MJR	1
2,3,4,6-Tetrachlorophenol	< 0.0475	mg/kg	0.0475	0.151	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2,4-Trichlorobenzene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,5-Trichlorophenol	< 0.0365	mg/kg	0.0365	0.116	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Trichlorophenol	< 0.0386	mg/kg	0.0386	0.123	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorobiphenyl-surrogate	60	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorophenol-surrogate	67	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene-d5-surrogate	67	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol-d6-surrogate	67	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
p-Terphenyl-d14-surrogate	62	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Tribromophenol-surrogate	56	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
VOC's										
Benzene	< 0.015	mg/kg	0.015	0.047	1	8260B		9/3/2020	CJR	1
Bromobenzene	< 0.045	mg/kg	0.045	0.14	1	8260B		9/3/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383H
Sample ID GP-8 1-3
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromodichloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		9/3/2020	CJR	1
Bromoform	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1
tert-Butylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		9/3/2020	CJR	1
sec-Butylbenzene	< 0.024	mg/kg	0.024	0.077	1	8260B		9/3/2020	CJR	1
n-Butylbenzene	< 0.018	mg/kg	0.018	0.056	1	8260B		9/3/2020	CJR	1
Carbon Tetrachloride	< 0.055	mg/kg	0.055	0.17	1	8260B		9/3/2020	CJR	1
Chlorobenzene	< 0.022	mg/kg	0.022	0.07	1	8260B		9/3/2020	CJR	1
Chloroethane	< 0.11	mg/kg	0.11	0.35	1	8260B		9/3/2020	CJR	1
Chloroform	< 0.053	mg/kg	0.053	0.17	1	8260B		9/3/2020	CJR	1
Chloromethane	< 0.088	mg/kg	0.088	0.28	1	8260B		9/3/2020	CJR	1
2-Chlorotoluene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
4-Chlorotoluene	< 0.017	mg/kg	0.017	0.054	1	8260B		9/3/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.064	mg/kg	0.064	0.2	1	8260B		9/3/2020	CJR	1
Dibromochloromethane	< 0.056	mg/kg	0.056	0.18	1	8260B		9/3/2020	CJR	1
1,4-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		9/3/2020	CJR	1
1,3-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		9/3/2020	CJR	1
1,2-Dichlorobenzene	< 0.024	mg/kg	0.024	0.076	1	8260B		9/3/2020	CJR	1
Dichlorodifluoromethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
1,2-Dichloroethane	< 0.037	mg/kg	0.037	0.12	1	8260B		9/3/2020	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.078	1	8260B		9/3/2020	CJR	1
1,1-Dichloroethene	< 0.073	mg/kg	0.073	0.23	1	8260B		9/3/2020	CJR	1
cis-1,2-Dichloroethene	< 0.021	mg/kg	0.021	0.069	1	8260B		9/3/2020	CJR	1
trans-1,2-Dichloroethene	< 0.038	mg/kg	0.038	0.12	1	8260B		9/3/2020	CJR	1
1,2-Dichloropropane	< 0.069	mg/kg	0.069	0.22	1	8260B		9/3/2020	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		9/3/2020	CJR	1
trans-1,3-Dichloropropene	< 0.036	mg/kg	0.036	0.11	1	8260B		9/3/2020	CJR	1
cis-1,3-Dichloropropene	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.021	mg/kg	0.021	0.068	1	8260B		9/3/2020	CJR	1
Ethylbenzene	< 0.019	mg/kg	0.019	0.061	1	8260B		9/3/2020	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.32	1	8260B		9/3/2020	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.078	1	8260B		9/3/2020	CJR	1
p-Isopropyltoluene	< 0.026	mg/kg	0.026	0.083	1	8260B		9/3/2020	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		9/3/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.041	mg/kg	0.041	0.13	1	8260B		9/3/2020	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		9/3/2020	CJR	1
n-Propylbenzene	< 0.019	mg/kg	0.019	0.062	1	8260B		9/3/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.083	mg/kg	0.083	0.26	1	8260B		9/3/2020	CJR	1
Tetrachloroethene	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		9/3/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.087	mg/kg	0.087	0.27	1	8260B		9/3/2020	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/3/2020	CJR	1
1,1,1-Trichloroethane	< 0.053	mg/kg	0.053	0.17	1	8260B		9/3/2020	CJR	1
1,1,2-Trichloroethane	< 0.06	mg/kg	0.06	0.19	1	8260B		9/3/2020	CJR	1
Trichloroethene (TCE)	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383H
Sample ID GP-8 1-3
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichlorofluoromethane	< 0.1	mg/kg	0.1	0.33	1	8260B		9/3/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.054	mg/kg	0.054	0.17	1	8260B		9/3/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.017	mg/kg	0.017	0.053	1	8260B		9/3/2020	CJR	1
Vinyl Chloride	< 0.066	mg/kg	0.066	0.21	1	8260B		9/3/2020	CJR	1
m&p-Xylene	< 0.083	mg/kg	0.083	0.27	1	8260B		9/3/2020	CJR	1
o-Xylene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	108	Rec %			1	8260B		9/3/2020	CJR	1
SUR - 4-Bromofluorobenzene	110	Rec %			1	8260B		9/3/2020	CJR	1
SUR - Dibromofluoromethane	103	Rec %			1	8260B		9/3/2020	CJR	1
SUR - Toluene-d8	102	Rec %			1	8260B		9/3/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383I
Sample ID GP-9 2-4
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	79.8	%			1	5021		8/27/2020	MJR	1
Inorganic										
Metals										
Arsenic, Total	7.33	mg/Kg	0.33	1.09	1	6010B		9/1/2020	CWT	1
Barium, Total	84.8	mg/Kg	0.21	0.7	1	6010B		9/1/2020	CWT	1
Cadmium, Total	0.351	mg/Kg	0.08	0.25	1	6010B		9/1/2020	CWT	1
Chromium, Total	31.8	mg/Kg	0.08	0.26	1	6010B		9/1/2020	CWT	1
Lead, Total	13.3	mg/Kg	0.17	0.58	1	6010B		9/1/2020	CWT	1
Mercury, Total	0.053 "J"	mg/kg	0.019	0.064	1	7471		9/2/2020	CWT	1
Selenium, Total	< 0.52	mg/Kg	0.52	1.73	1	6010B		9/1/2020	CWT	1
Silver, Total	< 0.57	mg/Kg	0.57	1.89	1	6010B		9/1/2020	CWT	1
Organic										
Semi Volatiles										
Acetophenone	< 0.0342	mg/kg	0.0342	0.109	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthene	< 0.027	mg/kg	0.027	0.086	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthylene	< 0.0261	mg/kg	0.0261	0.083	1	8270E	9/1/2020	9/1/2020	MJR	1
Anthracene	< 0.0151	mg/kg	0.0151	0.0479	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)anthracene	< 0.0148	mg/kg	0.0148	0.0472	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)pyrene	< 0.0149	mg/kg	0.0149	0.0475	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(b)fluoranthene	< 0.02	mg/kg	0.02	0.0636	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(g,h,i)perylene	< 0.0209	mg/kg	0.0209	0.0666	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(k)fluoranthene	< 0.0137	mg/kg	0.0137	0.0437	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzyl Alcohol	< 0.131	mg/kg	0.131	0.415	1	8270E	9/1/2020	9/1/2020	MJR	1
Butyl benzyl phthalate	< 0.0265	mg/kg	0.0265	0.0843	1	8270E	9/1/2020	9/1/2020	MJR	5
Bis(2-chloroethoxy)methane	< 0.0216	mg/kg	0.0216	0.0686	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroethyl)ether	< 0.0554	mg/kg	0.0554	0.176	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroisopropyl)ether	< 0.0183	mg/kg	0.0183	0.0583	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-ethylhexyl)phthalate	< 0.0898	mg/kg	0.0898	0.186	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Bromophenylphenyl ether	< 0.0249	mg/kg	0.0249	0.0791	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chloro-3-methylphenol	< 254	mg/kg	0.0254	0.081	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chloronaphthalene	< 0.021	mg/kg	0.021	0.0667	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chlorophenol	< 0.0236	mg/kg	0.0236	0.0752	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chlorophenylphenyl ether	< 0.0193	mg/kg	0.0193	0.0612	1	8270E	9/1/2020	9/1/2020	MJR	1
Chrysene	< 0.196	mg/kg	0.196	0.0624	1	8270E	9/1/2020	9/1/2020	MJR	1
o-Cresol	< 0.027	mg/kg	0.027	0.084	1	8270E	9/1/2020	9/1/2020	MJR	1
m & p-Cresol	< 0.029	mg/kg	0.029	0.095	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzofuran	< 0.0275	mg/kg	0.0275	0.0875	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzo(a,h)anthracene	< 0.0188	mg/kg	0.0188	0.0598	1	8270E	9/1/2020	9/1/2020	MJR	1
1,4-Dichlorobenzene	< 0.0194	mg/kg	0.0194	0.0618	1	8270E	9/1/2020	9/1/2020	MJR	1
1,3-Dichlorobenzene	< 0.0199	mg/kg	0.0199	0.0632	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2-Dichlorobenzene	< 0.0245	mg/kg	0.0245	0.0779	1	8270E	9/1/2020	9/1/2020	MJR	1
3,3'-Dichlorobenzidine	< 0.0406	mg/kg	0.0406	0.129	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dichlorophenol	< 0.0512	mg/kg	0.0512	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Diethyl phthalate	< 0.029	mg/kg	0.029	0.0922	1	8270E	9/1/2020	9/1/2020	MJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383I
Sample ID GP-9 2-4
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Dimethyl phthalate	0.191	mg/kg	0.0267	0.0849	1	8270E	9/1/2020	9/1/2020	MJR	5
2,4-Dimethylphenol	< 0.0241	mg/kg	0.0241	0.0768	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-butyl phthalate	< 0.139	mg/kg	0.139	0.441	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrophenol	< 0.129	mg/kg	0.129	0.412	1	8270E	9/1/2020	9/1/2020	MJR	1
2,6-Dinitrotoluene	< 0.036	mg/kg	0.036	0.114	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrotoluene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-octyl phthalate	< 0.0244	mg/kg	0.0244	0.0776	1	8270E	9/1/2020	9/1/2020	MJR	1
Diphenylamine	< 0.0281	mg/kg	0.0281	0.0892	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluoranthene	< 0.0173	mg/kg	0.0173	0.0549	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluorene	< 0.0293	mg/kg	0.0293	0.0931	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobenzene	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobutadiene	< 0.0292	mg/kg	0.0292	0.0928	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorocyclopentadiene	< 0.036	mg/kg	0.036	0.115	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachloroethane	< 0.0248	mg/kg	0.0248	0.0789	1	8270E	9/1/2020	9/1/2020	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.0327	mg/kg	0.0327	0.104	1	8270E	9/1/2020	9/1/2020	MJR	1
Isophorone	< 0.0309	mg/kg	0.0309	0.0982	1	8270E	9/1/2020	9/1/2020	MJR	1
1-Methyl naphthalene	< 0.0216	mg/kg	0.0216	0.0688	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl naphthalene	< 0.0234	mg/kg	0.0234	0.0745	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.0887	mg/kg	0.0887	0.282	1	8270E	9/1/2020	9/1/2020	MJR	1
Naphthalene	< 0.0207	mg/kg	0.0207	0.0658	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitroaniline	< 0.0256	mg/kg	0.0256	0.0814	1	8270E	9/1/2020	9/1/2020	MJR	1
3-Nitroaniline	< 0.144	mg/kg	0.144	0.458	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitroaniline	< 0.0511	mg/kg	0.0511	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene	< 0.0415	mg/kg	0.0415	0.132	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitrophenol	< 0.0187	mg/kg	0.0187	0.0595	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitrophenol	< 0.0761	mg/kg	0.0761	0.242	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodimethylamine	< 0.0254	mg/kg	0.0254	0.0808	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodi-n-propylamine	< 0.0266	mg/kg	0.0266	0.0845	1	8270E	9/1/2020	9/1/2020	MJR	1
Pentachlorophenol (PCP)	< 0.148	mg/kg	0.148	0.47	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenanthrene	< 0.0179	mg/kg	0.0179	0.0568	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol	0.0181 "J"	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyrene	< 0.0181	mg/kg	0.0181	0.0575	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyridine	< 0.0261	mg/kg	0.0261	0.0834	1	8270E	9/1/2020	9/1/2020	MJR	1
2,3,4,6-Tetrachlorophenol	< 0.0475	mg/kg	0.0475	0.151	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2,4-Trichlorobenzene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,5-Trichlorophenol	< 0.0365	mg/kg	0.0365	0.116	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Trichlorophenol	< 0.0386	mg/kg	0.0386	0.123	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorobiphenyl-surrogate	54	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorophenol-surrogate	76	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene-d5-surrogate	65	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol-d6-surrogate	68	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
p-Terphenyl-d14-surrogate	58	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Tribromophenol-surrogate	47	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
VOC's										
Benzene	< 0.015	mg/kg	0.015	0.047	1	8260B		9/3/2020	CJR	1
Bromobenzene	< 0.045	mg/kg	0.045	0.14	1	8260B		9/3/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383I
Sample ID GP-9 2-4
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromodichloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		9/3/2020	CJR	1
Bromoform	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1
tert-Butylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		9/3/2020	CJR	1
sec-Butylbenzene	< 0.024	mg/kg	0.024	0.077	1	8260B		9/3/2020	CJR	1
n-Butylbenzene	< 0.018	mg/kg	0.018	0.056	1	8260B		9/3/2020	CJR	1
Carbon Tetrachloride	< 0.055	mg/kg	0.055	0.17	1	8260B		9/3/2020	CJR	1
Chlorobenzene	< 0.022	mg/kg	0.022	0.07	1	8260B		9/3/2020	CJR	1
Chloroethane	< 0.11	mg/kg	0.11	0.35	1	8260B		9/3/2020	CJR	1
Chloroform	< 0.053	mg/kg	0.053	0.17	1	8260B		9/3/2020	CJR	1
Chloromethane	< 0.088	mg/kg	0.088	0.28	1	8260B		9/3/2020	CJR	1
2-Chlorotoluene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
4-Chlorotoluene	< 0.017	mg/kg	0.017	0.054	1	8260B		9/3/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.064	mg/kg	0.064	0.2	1	8260B		9/3/2020	CJR	1
Dibromochloromethane	< 0.056	mg/kg	0.056	0.18	1	8260B		9/3/2020	CJR	1
1,4-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		9/3/2020	CJR	1
1,3-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		9/3/2020	CJR	1
1,2-Dichlorobenzene	< 0.024	mg/kg	0.024	0.076	1	8260B		9/3/2020	CJR	1
Dichlorodifluoromethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
1,2-Dichloroethane	< 0.037	mg/kg	0.037	0.12	1	8260B		9/3/2020	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.078	1	8260B		9/3/2020	CJR	1
1,1-Dichloroethene	< 0.073	mg/kg	0.073	0.23	1	8260B		9/3/2020	CJR	1
cis-1,2-Dichloroethene	< 0.021	mg/kg	0.021	0.069	1	8260B		9/3/2020	CJR	1
trans-1,2-Dichloroethene	< 0.038	mg/kg	0.038	0.12	1	8260B		9/3/2020	CJR	1
1,2-Dichloropropane	< 0.069	mg/kg	0.069	0.22	1	8260B		9/3/2020	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		9/3/2020	CJR	1
trans-1,3-Dichloropropene	< 0.036	mg/kg	0.036	0.11	1	8260B		9/3/2020	CJR	1
cis-1,3-Dichloropropene	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.021	mg/kg	0.021	0.068	1	8260B		9/3/2020	CJR	1
Ethylbenzene	< 0.019	mg/kg	0.019	0.061	1	8260B		9/3/2020	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.32	1	8260B		9/3/2020	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.078	1	8260B		9/3/2020	CJR	1
p-Isopropyltoluene	< 0.026	mg/kg	0.026	0.083	1	8260B		9/3/2020	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		9/3/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.041	mg/kg	0.041	0.13	1	8260B		9/3/2020	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		9/3/2020	CJR	1
n-Propylbenzene	< 0.019	mg/kg	0.019	0.062	1	8260B		9/3/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.083	mg/kg	0.083	0.26	1	8260B		9/3/2020	CJR	1
Tetrachloroethene	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		9/3/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.087	mg/kg	0.087	0.27	1	8260B		9/3/2020	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/3/2020	CJR	1
1,1,1-Trichloroethane	< 0.053	mg/kg	0.053	0.17	1	8260B		9/3/2020	CJR	1
1,1,2-Trichloroethane	< 0.06	mg/kg	0.06	0.19	1	8260B		9/3/2020	CJR	1
Trichloroethene (TCE)	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383I
Sample ID GP-9 2-4
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichlorofluoromethane	< 0.1	mg/kg	0.1	0.33	1	8260B		9/3/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.054	mg/kg	0.054	0.17	1	8260B		9/3/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.017	mg/kg	0.017	0.053	1	8260B		9/3/2020	CJR	1
Vinyl Chloride	< 0.066	mg/kg	0.066	0.21	1	8260B		9/3/2020	CJR	1
m&p-Xylene	< 0.083	mg/kg	0.083	0.27	1	8260B		9/3/2020	CJR	1
o-Xylene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	103	Rec %			1	8260B		9/3/2020	CJR	1
SUR - 4-Bromofluorobenzene	111	Rec %			1	8260B		9/3/2020	CJR	1
SUR - Dibromofluoromethane	103	Rec %			1	8260B		9/3/2020	CJR	1
SUR - Toluene-d8	99	Rec %			1	8260B		9/3/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383J
Sample ID GP-10 1-3
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	79.3	%			1	5021		8/27/2020	MJR	1
Inorganic										
Metals										
Arsenic, Total	4.05	mg/Kg	0.66	2.18	2	6010B		9/1/2020	CWT	1 49
Barium, Total	66.5	mg/Kg	0.21	0.7	1	6010B		9/1/2020	CWT	1
Cadmium, Total	0.202 "J"	mg/Kg	0.08	0.25	1	6010B		9/1/2020	CWT	1
Chromium, Total	28.4	mg/Kg	0.08	0.26	1	6010B		9/1/2020	CWT	1
Lead, Total	11.2	mg/Kg	0.17	0.58	1	6010B		9/1/2020	CWT	1
Mercury, Total	0.036 "J"	mg/kg	0.019	0.064	1	7471		9/2/2020	CWT	1
Selenium, Total	< 0.52	mg/Kg	0.52	1.73	1	6010B		9/1/2020	CWT	1
Silver, Total	< 0.57	mg/Kg	0.57	1.89	1	6010B		9/1/2020	CWT	1
Organic										
Semi Volatiles										
Acetophenone	< 0.0342	mg/kg	0.0342	0.109	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthene	< 0.027	mg/kg	0.027	0.086	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthylene	< 0.0261	mg/kg	0.0261	0.083	1	8270E	9/1/2020	9/1/2020	MJR	1
Anthracene	< 0.0151	mg/kg	0.0151	0.0479	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)anthracene	< 0.0148	mg/kg	0.0148	0.0472	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)pyrene	< 0.0149	mg/kg	0.0149	0.0475	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(b)fluoranthene	< 0.02	mg/kg	0.02	0.0636	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(g,h,i)perylene	< 0.0209	mg/kg	0.0209	0.0666	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(k)fluoranthene	< 0.0137	mg/kg	0.0137	0.0437	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzyl Alcohol	< 0.131	mg/kg	0.131	0.415	1	8270E	9/1/2020	9/1/2020	MJR	1
Butyl benzyl phthalate	< 0.0265	mg/kg	0.0265	0.0843	1	8270E	9/1/2020	9/1/2020	MJR	5
Bis(2-chloroethoxy)methane	< 0.0216	mg/kg	0.0216	0.0686	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroethyl)ether	< 0.0554	mg/kg	0.0554	0.176	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroisopropyl)ether	< 0.0183	mg/kg	0.0183	0.0583	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-ethylhexyl)phthalate	< 0.0898	mg/kg	0.0898	0.186	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Bromophenylphenyl ether	< 0.0249	mg/kg	0.0249	0.0791	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chloro-3-methylphenol	< 254	mg/kg	0.0254	0.081	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chloronaphthalene	< 0.021	mg/kg	0.021	0.0667	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chlorophenol	< 0.0236	mg/kg	0.0236	0.0752	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chlorophenylphenyl ether	< 0.0193	mg/kg	0.0193	0.0612	1	8270E	9/1/2020	9/1/2020	MJR	1
Chrysene	< 0.196	mg/kg	0.196	0.0624	1	8270E	9/1/2020	9/1/2020	MJR	1
o-Cresol	< 0.027	mg/kg	0.027	0.084	1	8270E	9/1/2020	9/1/2020	MJR	1
m & p-Cresol	< 0.029	mg/kg	0.029	0.095	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzofuran	< 0.0275	mg/kg	0.0275	0.0875	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzo(a,h)anthracene	< 0.0188	mg/kg	0.0188	0.0598	1	8270E	9/1/2020	9/1/2020	MJR	1
1,4-Dichlorobenzene	< 0.0194	mg/kg	0.0194	0.0618	1	8270E	9/1/2020	9/1/2020	MJR	1
1,3-Dichlorobenzene	< 0.0199	mg/kg	0.0199	0.0632	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2-Dichlorobenzene	< 0.0245	mg/kg	0.0245	0.0779	1	8270E	9/1/2020	9/1/2020	MJR	1
3,3'-Dichlorobenzidine	< 0.0406	mg/kg	0.0406	0.129	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dichlorophenol	< 0.0512	mg/kg	0.0512	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Diethyl phthalate	< 0.029	mg/kg	0.029	0.0922	1	8270E	9/1/2020	9/1/2020	MJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383J
Sample ID GP-10 1-3
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Dimethyl phthalate	0.241	mg/kg	0.0267	0.0849	1	8270E	9/1/2020	9/1/2020	MJR	5
2,4-Dimethylphenol	< 0.0241	mg/kg	0.0241	0.0768	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-butyl phthalate	< 0.139	mg/kg	0.139	0.441	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrophenol	< 0.129	mg/kg	0.129	0.412	1	8270E	9/1/2020	9/1/2020	MJR	1
2,6-Dinitrotoluene	< 0.036	mg/kg	0.036	0.114	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrotoluene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-octyl phthalate	< 0.0244	mg/kg	0.0244	0.0776	1	8270E	9/1/2020	9/1/2020	MJR	1
Diphenylamine	< 0.0281	mg/kg	0.0281	0.0892	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluoranthene	< 0.0173	mg/kg	0.0173	0.0549	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluorene	< 0.0293	mg/kg	0.0293	0.0931	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobenzene	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobutadiene	< 0.0292	mg/kg	0.0292	0.0928	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorocyclopentadiene	< 0.036	mg/kg	0.036	0.115	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachloroethane	< 0.0248	mg/kg	0.0248	0.0789	1	8270E	9/1/2020	9/1/2020	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.0327	mg/kg	0.0327	0.104	1	8270E	9/1/2020	9/1/2020	MJR	1
Isophorone	< 0.0309	mg/kg	0.0309	0.0982	1	8270E	9/1/2020	9/1/2020	MJR	1
1-Methyl naphthalene	< 0.0216	mg/kg	0.0216	0.0688	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl naphthalene	< 0.0234	mg/kg	0.0234	0.0745	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.0887	mg/kg	0.0887	0.282	1	8270E	9/1/2020	9/1/2020	MJR	1
Naphthalene	< 0.0207	mg/kg	0.0207	0.0658	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitroaniline	< 0.0256	mg/kg	0.0256	0.0814	1	8270E	9/1/2020	9/1/2020	MJR	1
3-Nitroaniline	< 0.144	mg/kg	0.144	0.458	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitroaniline	< 0.0511	mg/kg	0.0511	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene	< 0.0415	mg/kg	0.0415	0.132	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitrophenol	< 0.0187	mg/kg	0.0187	0.0595	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitrophenol	< 0.0761	mg/kg	0.0761	0.242	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodimethylamine	< 0.0254	mg/kg	0.0254	0.0808	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodi-n-propylamine	< 0.0266	mg/kg	0.0266	0.0845	1	8270E	9/1/2020	9/1/2020	MJR	1
Pentachlorophenol (PCP)	< 0.148	mg/kg	0.148	0.47	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenanthrene	< 0.0179	mg/kg	0.0179	0.0568	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol	0.0289 "J"	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyrene	< 0.0181	mg/kg	0.0181	0.0575	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyridine	< 0.0261	mg/kg	0.0261	0.0834	1	8270E	9/1/2020	9/1/2020	MJR	1
2,3,4,6-Tetrachlorophenol	< 0.0475	mg/kg	0.0475	0.151	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2,4-Trichlorobenzene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,5-Trichlorophenol	< 0.0365	mg/kg	0.0365	0.116	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Trichlorophenol	< 0.0386	mg/kg	0.0386	0.123	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorobiphenyl-surrogate	69	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorophenol-surrogate	82	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene-d5-surrogate	77	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol-d6-surrogate	76	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
p-Terphenyl-d14-surrogate	78	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Tribromophenol-surrogate	64	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
VOC's										
Benzene	< 0.015	mg/kg	0.015	0.047	1	8260B		9/3/2020	CJR	1
Bromobenzene	< 0.045	mg/kg	0.045	0.14	1	8260B		9/3/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383J
Sample ID GP-10 1-3
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromodichloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		9/3/2020	CJR	1
Bromoform	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1
tert-Butylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		9/3/2020	CJR	1
sec-Butylbenzene	< 0.024	mg/kg	0.024	0.077	1	8260B		9/3/2020	CJR	1
n-Butylbenzene	< 0.018	mg/kg	0.018	0.056	1	8260B		9/3/2020	CJR	1
Carbon Tetrachloride	< 0.055	mg/kg	0.055	0.17	1	8260B		9/3/2020	CJR	1
Chlorobenzene	< 0.022	mg/kg	0.022	0.07	1	8260B		9/3/2020	CJR	1
Chloroethane	< 0.11	mg/kg	0.11	0.35	1	8260B		9/3/2020	CJR	1
Chloroform	< 0.053	mg/kg	0.053	0.17	1	8260B		9/3/2020	CJR	1
Chloromethane	< 0.088	mg/kg	0.088	0.28	1	8260B		9/3/2020	CJR	1
2-Chlorotoluene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
4-Chlorotoluene	< 0.017	mg/kg	0.017	0.054	1	8260B		9/3/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.064	mg/kg	0.064	0.2	1	8260B		9/3/2020	CJR	1
Dibromochloromethane	< 0.056	mg/kg	0.056	0.18	1	8260B		9/3/2020	CJR	1
1,4-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		9/3/2020	CJR	1
1,3-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		9/3/2020	CJR	1
1,2-Dichlorobenzene	< 0.024	mg/kg	0.024	0.076	1	8260B		9/3/2020	CJR	1
Dichlorodifluoromethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
1,2-Dichloroethane	< 0.037	mg/kg	0.037	0.12	1	8260B		9/3/2020	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.078	1	8260B		9/3/2020	CJR	1
1,1-Dichloroethene	< 0.073	mg/kg	0.073	0.23	1	8260B		9/3/2020	CJR	1
cis-1,2-Dichloroethene	< 0.021	mg/kg	0.021	0.069	1	8260B		9/3/2020	CJR	1
trans-1,2-Dichloroethene	< 0.038	mg/kg	0.038	0.12	1	8260B		9/3/2020	CJR	1
1,2-Dichloropropane	< 0.069	mg/kg	0.069	0.22	1	8260B		9/3/2020	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		9/3/2020	CJR	1
trans-1,3-Dichloropropene	< 0.036	mg/kg	0.036	0.11	1	8260B		9/3/2020	CJR	1
cis-1,3-Dichloropropene	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.021	mg/kg	0.021	0.068	1	8260B		9/3/2020	CJR	1
Ethylbenzene	< 0.019	mg/kg	0.019	0.061	1	8260B		9/3/2020	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.32	1	8260B		9/3/2020	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.078	1	8260B		9/3/2020	CJR	1
p-Isopropyltoluene	< 0.026	mg/kg	0.026	0.083	1	8260B		9/3/2020	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		9/3/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.041	mg/kg	0.041	0.13	1	8260B		9/3/2020	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		9/3/2020	CJR	1
n-Propylbenzene	< 0.019	mg/kg	0.019	0.062	1	8260B		9/3/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.083	mg/kg	0.083	0.26	1	8260B		9/3/2020	CJR	1
Tetrachloroethene	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		9/3/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.087	mg/kg	0.087	0.27	1	8260B		9/3/2020	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/3/2020	CJR	1
1,1,1-Trichloroethane	< 0.053	mg/kg	0.053	0.17	1	8260B		9/3/2020	CJR	1
1,1,2-Trichloroethane	< 0.06	mg/kg	0.06	0.19	1	8260B		9/3/2020	CJR	1
Trichloroethene (TCE)	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383J
Sample ID GP-10 1-3
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichlorofluoromethane	< 0.1	mg/kg	0.1	0.33	1	8260B		9/3/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.054	mg/kg	0.054	0.17	1	8260B		9/3/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.017	mg/kg	0.017	0.053	1	8260B		9/3/2020	CJR	1
Vinyl Chloride	< 0.066	mg/kg	0.066	0.21	1	8260B		9/3/2020	CJR	1
m&p-Xylene	< 0.083	mg/kg	0.083	0.27	1	8260B		9/3/2020	CJR	1
o-Xylene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	107	Rec %			1	8260B		9/3/2020	CJR	1
SUR - 4-Bromofluorobenzene	110	Rec %			1	8260B		9/3/2020	CJR	1
SUR - Dibromofluoromethane	105	Rec %			1	8260B		9/3/2020	CJR	1
SUR - Toluene-d8	99	Rec %			1	8260B		9/3/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383K
Sample ID GP-11 4-6
Sample Matrix Soil
Sample Date 8/25/2020

	Result		Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General											
General											
Solids Percent	87.1		%			1	5021		8/27/2020	MJR	1
Inorganic											
Metals											
Arsenic, Total	2.58		mg/Kg	0.66	2.18	2	6010B		9/1/2020	CWT	1 49
Barium, Total	34.8		mg/Kg	0.21	0.7	1	6010B		9/1/2020	CWT	1
Cadmium, Total		< 0.08	mg/Kg	0.08	0.25	1	6010B		9/1/2020	CWT	1
Chromium, Total	19.6		mg/Kg	0.08	0.26	1	6010B		9/1/2020	CWT	1
Lead, Total	13.4		mg/Kg	0.17	0.58	1	6010B		9/1/2020	CWT	1
Mercury, Total		< 0.019	mg/kg	0.019	0.064	1	7471		9/2/2020	CWT	1
Selenium, Total	1.58	"J"	mg/Kg	0.52	1.73	1	6010B		9/1/2020	CWT	1
Silver, Total		< 0.57	mg/Kg	0.57	1.89	1	6010B		9/1/2020	CWT	1
Organic											
Semi Volatiles											
Acetophenone		< 0.0342	mg/kg	0.0342	0.109	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthene		< 0.027	mg/kg	0.027	0.086	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthylene		< 0.0261	mg/kg	0.0261	0.083	1	8270E	9/1/2020	9/1/2020	MJR	1
Anthracene		< 0.0151	mg/kg	0.0151	0.0479	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)anthracene		< 0.0148	mg/kg	0.0148	0.0472	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)pyrene		< 0.0149	mg/kg	0.0149	0.0475	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(b)fluoranthene		< 0.02	mg/kg	0.02	0.0636	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(g,h,i)perylene		< 0.0209	mg/kg	0.0209	0.0666	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(k)fluoranthene		< 0.0137	mg/kg	0.0137	0.0437	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzyl Alcohol		< 0.131	mg/kg	0.131	0.415	1	8270E	9/1/2020	9/1/2020	MJR	1
Butyl benzyl phthalate		< 0.0265	mg/kg	0.0265	0.0843	1	8270E	9/1/2020	9/1/2020	MJR	5
Bis(2-chloroethoxy)methane		< 0.0216	mg/kg	0.0216	0.0686	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroethyl)ether		< 0.0554	mg/kg	0.0554	0.176	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroisopropyl)ether		< 0.0183	mg/kg	0.0183	0.0583	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-ethylhexyl)phthalate		< 0.0898	mg/kg	0.0898	0.186	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Bromophenylphenyl ether		< 0.0249	mg/kg	0.0249	0.0791	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chloro-3-methylphenol		< 254	mg/kg	0.0254	0.081	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chloronaphthalene		< 0.021	mg/kg	0.021	0.0667	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chlorophenol		< 0.0236	mg/kg	0.0236	0.0752	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chlorophenylphenyl ether		< 0.0193	mg/kg	0.0193	0.0612	1	8270E	9/1/2020	9/1/2020	MJR	1
Chrysene		< 0.196	mg/kg	0.196	0.0624	1	8270E	9/1/2020	9/1/2020	MJR	1
o-Cresol		< 0.027	mg/kg	0.027	0.084	1	8270E	9/1/2020	9/1/2020	MJR	1
m & p-Cresol		< 0.029	mg/kg	0.029	0.095	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzofuran		< 0.0275	mg/kg	0.0275	0.0875	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzo(a,h)anthracene		< 0.0188	mg/kg	0.0188	0.0598	1	8270E	9/1/2020	9/1/2020	MJR	1
1,4-Dichlorobenzene		< 0.0194	mg/kg	0.0194	0.0618	1	8270E	9/1/2020	9/1/2020	MJR	1
1,3-Dichlorobenzene		< 0.0199	mg/kg	0.0199	0.0632	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2-Dichlorobenzene		< 0.0245	mg/kg	0.0245	0.0779	1	8270E	9/1/2020	9/1/2020	MJR	1
3,3'-Dichlorobenzidine		< 0.0406	mg/kg	0.0406	0.129	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dichlorophenol		< 0.0512	mg/kg	0.0512	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Diethyl phthalate		< 0.029	mg/kg	0.029	0.0922	1	8270E	9/1/2020	9/1/2020	MJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383K
Sample ID GP-11 4-6
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Dimethyl phthalate	0.41	mg/kg	0.0267	0.0849	1	8270E	9/1/2020	9/1/2020	MJR	5
2,4-Dimethylphenol	< 0.0241	mg/kg	0.0241	0.0768	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-butyl phthalate	< 0.139	mg/kg	0.139	0.441	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrophenol	< 0.129	mg/kg	0.129	0.412	1	8270E	9/1/2020	9/1/2020	MJR	1
2,6-Dinitrotoluene	< 0.036	mg/kg	0.036	0.114	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrotoluene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-octyl phthalate	< 0.0244	mg/kg	0.0244	0.0776	1	8270E	9/1/2020	9/1/2020	MJR	1
Diphenylamine	< 0.0281	mg/kg	0.0281	0.0892	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluoranthene	< 0.0173	mg/kg	0.0173	0.0549	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluorene	< 0.0293	mg/kg	0.0293	0.0931	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobenzene	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobutadiene	< 0.0292	mg/kg	0.0292	0.0928	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorocyclopentadiene	< 0.036	mg/kg	0.036	0.115	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachloroethane	< 0.0248	mg/kg	0.0248	0.0789	1	8270E	9/1/2020	9/1/2020	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.0327	mg/kg	0.0327	0.104	1	8270E	9/1/2020	9/1/2020	MJR	1
Isophorone	< 0.0309	mg/kg	0.0309	0.0982	1	8270E	9/1/2020	9/1/2020	MJR	1
1-Methyl naphthalene	< 0.0216	mg/kg	0.0216	0.0688	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl naphthalene	< 0.0234	mg/kg	0.0234	0.0745	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.0887	mg/kg	0.0887	0.282	1	8270E	9/1/2020	9/1/2020	MJR	1
Naphthalene	< 0.0207	mg/kg	0.0207	0.0658	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitroaniline	< 0.0256	mg/kg	0.0256	0.0814	1	8270E	9/1/2020	9/1/2020	MJR	1
3-Nitroaniline	< 0.144	mg/kg	0.144	0.458	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitroaniline	< 0.0511	mg/kg	0.0511	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene	< 0.0415	mg/kg	0.0415	0.132	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitrophenol	< 0.0187	mg/kg	0.0187	0.0595	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitrophenol	< 0.0761	mg/kg	0.0761	0.242	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodimethylamine	< 0.0254	mg/kg	0.0254	0.0808	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodi-n-propylamine	< 0.0266	mg/kg	0.0266	0.0845	1	8270E	9/1/2020	9/1/2020	MJR	1
Pentachlorophenol (PCP)	< 0.148	mg/kg	0.148	0.47	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenanthrene	< 0.0179	mg/kg	0.0179	0.0568	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol	0.0282 "J"	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyrene	< 0.0181	mg/kg	0.0181	0.0575	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyridine	< 0.0261	mg/kg	0.0261	0.0834	1	8270E	9/1/2020	9/1/2020	MJR	1
2,3,4,6-Tetrachlorophenol	< 0.0475	mg/kg	0.0475	0.151	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2,4-Trichlorobenzene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,5-Trichlorophenol	< 0.0365	mg/kg	0.0365	0.116	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Trichlorophenol	< 0.0386	mg/kg	0.0386	0.123	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorobiphenyl-surrogate	63	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorophenol-surrogate	70	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene-d5-surrogate	68	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol-d6-surrogate	68	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
p-Terphenyl-d14-surrogate	75	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Tribromophenol-surrogate	62	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
VOC's										
Benzene	< 0.015	mg/kg	0.015	0.047	1	8260B		9/3/2020	CJR	1
Bromobenzene	< 0.045	mg/kg	0.045	0.14	1	8260B		9/3/2020	CJR	1

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Lab Code 5038383K
Sample ID GP-11 4-6
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromodichloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		9/3/2020	CJR	1
Bromoform	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1
tert-Butylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		9/3/2020	CJR	1
sec-Butylbenzene	< 0.024	mg/kg	0.024	0.077	1	8260B		9/3/2020	CJR	1
n-Butylbenzene	< 0.018	mg/kg	0.018	0.056	1	8260B		9/3/2020	CJR	1
Carbon Tetrachloride	< 0.055	mg/kg	0.055	0.17	1	8260B		9/3/2020	CJR	1
Chlorobenzene	< 0.022	mg/kg	0.022	0.07	1	8260B		9/3/2020	CJR	1
Chloroethane	< 0.11	mg/kg	0.11	0.35	1	8260B		9/3/2020	CJR	1
Chloroform	< 0.053	mg/kg	0.053	0.17	1	8260B		9/3/2020	CJR	1
Chloromethane	< 0.088	mg/kg	0.088	0.28	1	8260B		9/3/2020	CJR	1
2-Chlorotoluene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
4-Chlorotoluene	< 0.017	mg/kg	0.017	0.054	1	8260B		9/3/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.064	mg/kg	0.064	0.2	1	8260B		9/3/2020	CJR	1
Dibromochloromethane	< 0.056	mg/kg	0.056	0.18	1	8260B		9/3/2020	CJR	1
1,4-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		9/3/2020	CJR	1
1,3-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		9/3/2020	CJR	1
1,2-Dichlorobenzene	< 0.024	mg/kg	0.024	0.076	1	8260B		9/3/2020	CJR	1
Dichlorodifluoromethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
1,2-Dichloroethane	< 0.037	mg/kg	0.037	0.12	1	8260B		9/3/2020	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.078	1	8260B		9/3/2020	CJR	1
1,1-Dichloroethene	< 0.073	mg/kg	0.073	0.23	1	8260B		9/3/2020	CJR	1
cis-1,2-Dichloroethene	< 0.021	mg/kg	0.021	0.069	1	8260B		9/3/2020	CJR	1
trans-1,2-Dichloroethene	< 0.038	mg/kg	0.038	0.12	1	8260B		9/3/2020	CJR	1
1,2-Dichloropropane	< 0.069	mg/kg	0.069	0.22	1	8260B		9/3/2020	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		9/3/2020	CJR	1
trans-1,3-Dichloropropene	< 0.036	mg/kg	0.036	0.11	1	8260B		9/3/2020	CJR	1
cis-1,3-Dichloropropene	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.021	mg/kg	0.021	0.068	1	8260B		9/3/2020	CJR	1
Ethylbenzene	< 0.019	mg/kg	0.019	0.061	1	8260B		9/3/2020	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.32	1	8260B		9/3/2020	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.078	1	8260B		9/3/2020	CJR	1
p-Isopropyltoluene	< 0.026	mg/kg	0.026	0.083	1	8260B		9/3/2020	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		9/3/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.041	mg/kg	0.041	0.13	1	8260B		9/3/2020	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		9/3/2020	CJR	1
n-Propylbenzene	< 0.019	mg/kg	0.019	0.062	1	8260B		9/3/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.083	mg/kg	0.083	0.26	1	8260B		9/3/2020	CJR	1
Tetrachloroethene	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		9/3/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.087	mg/kg	0.087	0.27	1	8260B		9/3/2020	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/3/2020	CJR	1
1,1,1-Trichloroethane	< 0.053	mg/kg	0.053	0.17	1	8260B		9/3/2020	CJR	1
1,1,2-Trichloroethane	< 0.06	mg/kg	0.06	0.19	1	8260B		9/3/2020	CJR	1
Trichloroethene (TCE)	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
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Lab Code 5038383K
Sample ID GP-11 4-6
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichlorofluoromethane	< 0.1	mg/kg	0.1	0.33	1	8260B		9/3/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.054	mg/kg	0.054	0.17	1	8260B		9/3/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.017	mg/kg	0.017	0.053	1	8260B		9/3/2020	CJR	1
Vinyl Chloride	< 0.066	mg/kg	0.066	0.21	1	8260B		9/3/2020	CJR	1
m&p-Xylene	< 0.083	mg/kg	0.083	0.27	1	8260B		9/3/2020	CJR	1
o-Xylene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	102	Rec %			1	8260B		9/3/2020	CJR	1
SUR - 4-Bromofluorobenzene	107	Rec %			1	8260B		9/3/2020	CJR	1
SUR - Dibromofluoromethane	101	Rec %			1	8260B		9/3/2020	CJR	1
SUR - Toluene-d8	103	Rec %			1	8260B		9/3/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383L
Sample ID GP-12 2-4
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.3	%			1	5021		8/27/2020	MJR	1
Inorganic										
Metals										
Arsenic, Total	10.4	mg/Kg	0.33	1.09	1	6010B		9/1/2020	CWT	1
Barium, Total	41.8	mg/Kg	0.21	0.7	1	6010B		9/1/2020	CWT	1
Cadmium, Total	0.30	mg/Kg	0.08	0.25	1	6010B		9/1/2020	CWT	1
Chromium, Total	20.0	mg/Kg	0.08	0.26	1	6010B		9/1/2020	CWT	1
Lead, Total	22.4	mg/Kg	0.17	0.58	1	6010B		9/1/2020	CWT	1
Mercury, Total	0.040 "J"	mg/kg	0.019	0.064	1	7471		9/2/2020	CWT	1
Selenium, Total	2.11	mg/Kg	0.52	1.73	1	6010B		9/1/2020	CWT	1
Silver, Total	< 0.57	mg/Kg	0.57	1.89	1	6010B		9/1/2020	CWT	1
Organic										
Semi Volatiles										
Acetophenone	< 0.0342	mg/kg	0.0342	0.109	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthene	< 0.027	mg/kg	0.027	0.086	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthylene	< 0.0261	mg/kg	0.0261	0.083	1	8270E	9/1/2020	9/1/2020	MJR	1
Anthracene	< 0.0151	mg/kg	0.0151	0.0479	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)anthracene	< 0.0148	mg/kg	0.0148	0.0472	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)pyrene	< 0.0149	mg/kg	0.0149	0.0475	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(b)fluoranthene	< 0.02	mg/kg	0.02	0.0636	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(g,h,i)perylene	< 0.0209	mg/kg	0.0209	0.0666	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(k)fluoranthene	< 0.0137	mg/kg	0.0137	0.0437	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzyl Alcohol	< 0.131	mg/kg	0.131	0.415	1	8270E	9/1/2020	9/1/2020	MJR	1
Butyl benzyl phthalate	< 0.0265	mg/kg	0.0265	0.0843	1	8270E	9/1/2020	9/1/2020	MJR	5
Bis(2-chloroethoxy)methane	< 0.0216	mg/kg	0.0216	0.0686	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroethyl)ether	< 0.0554	mg/kg	0.0554	0.176	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroisopropyl)ether	< 0.0183	mg/kg	0.0183	0.0583	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-ethylhexyl)phthalate	< 0.0898	mg/kg	0.0898	0.186	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Bromophenylphenyl ether	< 0.0249	mg/kg	0.0249	0.0791	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chloro-3-methylphenol	< 254	mg/kg	0.0254	0.081	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chloronaphthalene	< 0.021	mg/kg	0.021	0.0667	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chlorophenol	< 0.0236	mg/kg	0.0236	0.0752	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chlorophenylphenyl ether	< 0.0193	mg/kg	0.0193	0.0612	1	8270E	9/1/2020	9/1/2020	MJR	1
Chrysene	< 0.196	mg/kg	0.196	0.0624	1	8270E	9/1/2020	9/1/2020	MJR	1
o-Cresol	< 0.027	mg/kg	0.027	0.084	1	8270E	9/1/2020	9/1/2020	MJR	1
m & p-Cresol	< 0.029	mg/kg	0.029	0.095	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzofuran	< 0.0275	mg/kg	0.0275	0.0875	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzo(a,h)anthracene	< 0.0188	mg/kg	0.0188	0.0598	1	8270E	9/1/2020	9/1/2020	MJR	1
1,4-Dichlorobenzene	< 0.0194	mg/kg	0.0194	0.0618	1	8270E	9/1/2020	9/1/2020	MJR	1
1,3-Dichlorobenzene	< 0.0199	mg/kg	0.0199	0.0632	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2-Dichlorobenzene	< 0.0245	mg/kg	0.0245	0.0779	1	8270E	9/1/2020	9/1/2020	MJR	1
3,3'-Dichlorobenzidine	< 0.0406	mg/kg	0.0406	0.129	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dichlorophenol	< 0.0512	mg/kg	0.0512	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Diethyl phthalate	< 0.029	mg/kg	0.029	0.0922	1	8270E	9/1/2020	9/1/2020	MJR	1

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Sample ID GP-12 2-4
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Dimethyl phthalate	0.256	mg/kg	0.0267	0.0849	1	8270E	9/1/2020	9/1/2020	MJR	5
2,4-Dimethylphenol	< 0.0241	mg/kg	0.0241	0.0768	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-butyl phthalate	< 0.139	mg/kg	0.139	0.441	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrophenol	< 0.129	mg/kg	0.129	0.412	1	8270E	9/1/2020	9/1/2020	MJR	1
2,6-Dinitrotoluene	< 0.036	mg/kg	0.036	0.114	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrotoluene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-octyl phthalate	< 0.0244	mg/kg	0.0244	0.0776	1	8270E	9/1/2020	9/1/2020	MJR	1
Diphenylamine	< 0.0281	mg/kg	0.0281	0.0892	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluoranthene	< 0.0173	mg/kg	0.0173	0.0549	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluorene	< 0.0293	mg/kg	0.0293	0.0931	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobenzene	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobutadiene	< 0.0292	mg/kg	0.0292	0.0928	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorocyclopentadiene	< 0.036	mg/kg	0.036	0.115	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachloroethane	< 0.0248	mg/kg	0.0248	0.0789	1	8270E	9/1/2020	9/1/2020	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.0327	mg/kg	0.0327	0.104	1	8270E	9/1/2020	9/1/2020	MJR	1
Isophorone	< 0.0309	mg/kg	0.0309	0.0982	1	8270E	9/1/2020	9/1/2020	MJR	1
1-Methyl naphthalene	< 0.0216	mg/kg	0.0216	0.0688	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl naphthalene	< 0.0234	mg/kg	0.0234	0.0745	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.0887	mg/kg	0.0887	0.282	1	8270E	9/1/2020	9/1/2020	MJR	1
Naphthalene	< 0.0207	mg/kg	0.0207	0.0658	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitroaniline	< 0.0256	mg/kg	0.0256	0.0814	1	8270E	9/1/2020	9/1/2020	MJR	1
3-Nitroaniline	< 0.144	mg/kg	0.144	0.458	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitroaniline	< 0.0511	mg/kg	0.0511	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene	< 0.0415	mg/kg	0.0415	0.132	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitrophenol	< 0.0187	mg/kg	0.0187	0.0595	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitrophenol	< 0.0761	mg/kg	0.0761	0.242	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodimethylamine	< 0.0254	mg/kg	0.0254	0.0808	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodi-n-propylamine	< 0.0266	mg/kg	0.0266	0.0845	1	8270E	9/1/2020	9/1/2020	MJR	1
Pentachlorophenol (PCP)	< 0.148	mg/kg	0.148	0.47	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenanthrene	< 0.0179	mg/kg	0.0179	0.0568	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyrene	< 0.0181	mg/kg	0.0181	0.0575	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyridine	< 0.0261	mg/kg	0.0261	0.0834	1	8270E	9/1/2020	9/1/2020	MJR	1
2,3,4,6-Tetrachlorophenol	< 0.0475	mg/kg	0.0475	0.151	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2,4-Trichlorobenzene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,5-Trichlorophenol	< 0.0365	mg/kg	0.0365	0.116	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Trichlorophenol	< 0.0386	mg/kg	0.0386	0.123	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorobiphenyl-surrogate	42	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorophenol-surrogate	50	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene-d5-surrogate	47	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol-d6-surrogate	46	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
p-Terphenyl-d14-surrogate	57	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Tribromophenol-surrogate	45	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
VOC's										
Benzene	< 0.015	mg/kg	0.015	0.047	1	8260B		9/3/2020	CJR	1
Bromobenzene	< 0.045	mg/kg	0.045	0.14	1	8260B		9/3/2020	CJR	1

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Sample ID GP-12 2-4
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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromodichloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		9/3/2020	CJR	1
Bromoform	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1
tert-Butylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		9/3/2020	CJR	1
sec-Butylbenzene	< 0.024	mg/kg	0.024	0.077	1	8260B		9/3/2020	CJR	1
n-Butylbenzene	< 0.018	mg/kg	0.018	0.056	1	8260B		9/3/2020	CJR	1
Carbon Tetrachloride	< 0.055	mg/kg	0.055	0.17	1	8260B		9/3/2020	CJR	1
Chlorobenzene	< 0.022	mg/kg	0.022	0.07	1	8260B		9/3/2020	CJR	1
Chloroethane	< 0.11	mg/kg	0.11	0.35	1	8260B		9/3/2020	CJR	1
Chloroform	< 0.053	mg/kg	0.053	0.17	1	8260B		9/3/2020	CJR	1
Chloromethane	< 0.088	mg/kg	0.088	0.28	1	8260B		9/3/2020	CJR	1
2-Chlorotoluene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
4-Chlorotoluene	< 0.017	mg/kg	0.017	0.054	1	8260B		9/3/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.064	mg/kg	0.064	0.2	1	8260B		9/3/2020	CJR	1
Dibromochloromethane	< 0.056	mg/kg	0.056	0.18	1	8260B		9/3/2020	CJR	1
1,4-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		9/3/2020	CJR	1
1,3-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		9/3/2020	CJR	1
1,2-Dichlorobenzene	< 0.024	mg/kg	0.024	0.076	1	8260B		9/3/2020	CJR	1
Dichlorodifluoromethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
1,2-Dichloroethane	< 0.037	mg/kg	0.037	0.12	1	8260B		9/3/2020	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.078	1	8260B		9/3/2020	CJR	1
1,1-Dichloroethene	< 0.073	mg/kg	0.073	0.23	1	8260B		9/3/2020	CJR	1
cis-1,2-Dichloroethene	< 0.021	mg/kg	0.021	0.069	1	8260B		9/3/2020	CJR	1
trans-1,2-Dichloroethene	< 0.038	mg/kg	0.038	0.12	1	8260B		9/3/2020	CJR	1
1,2-Dichloropropane	< 0.069	mg/kg	0.069	0.22	1	8260B		9/3/2020	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		9/3/2020	CJR	1
trans-1,3-Dichloropropene	< 0.036	mg/kg	0.036	0.11	1	8260B		9/3/2020	CJR	1
cis-1,3-Dichloropropene	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.021	mg/kg	0.021	0.068	1	8260B		9/3/2020	CJR	1
Ethylbenzene	< 0.019	mg/kg	0.019	0.061	1	8260B		9/3/2020	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.32	1	8260B		9/3/2020	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.078	1	8260B		9/3/2020	CJR	1
p-Isopropyltoluene	< 0.026	mg/kg	0.026	0.083	1	8260B		9/3/2020	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		9/3/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.041	mg/kg	0.041	0.13	1	8260B		9/3/2020	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		9/3/2020	CJR	1
n-Propylbenzene	< 0.019	mg/kg	0.019	0.062	1	8260B		9/3/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.083	mg/kg	0.083	0.26	1	8260B		9/3/2020	CJR	1
Tetrachloroethene	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		9/3/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.087	mg/kg	0.087	0.27	1	8260B		9/3/2020	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/3/2020	CJR	1
1,1,1-Trichloroethane	< 0.053	mg/kg	0.053	0.17	1	8260B		9/3/2020	CJR	1
1,1,2-Trichloroethane	< 0.06	mg/kg	0.06	0.19	1	8260B		9/3/2020	CJR	1
Trichloroethene (TCE)	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1

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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichlorofluoromethane	< 0.1	mg/kg	0.1	0.33	1	8260B		9/3/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.054	mg/kg	0.054	0.17	1	8260B		9/3/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.017	mg/kg	0.017	0.053	1	8260B		9/3/2020	CJR	1
Vinyl Chloride	< 0.066	mg/kg	0.066	0.21	1	8260B		9/3/2020	CJR	1
m&p-Xylene	< 0.083	mg/kg	0.083	0.27	1	8260B		9/3/2020	CJR	1
o-Xylene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
SUR - 4-Bromofluorobenzene	110	Rec %			1	8260B		9/3/2020	CJR	1
SUR - Dibromofluoromethane	103	Rec %			1	8260B		9/3/2020	CJR	1
SUR - Toluene-d8	101	Rec %			1	8260B		9/3/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	107	Rec %			1	8260B		9/3/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383M
Sample ID GP-13 4-6
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.2	%			1	5021		8/27/2020	MJR	1
Inorganic										
Metals										
Arsenic, Total	2.02	mg/Kg	0.33	1.09	1	6010B		9/1/2020	CWT	1
Barium, Total	48.0	mg/Kg	0.21	0.7	1	6010B		9/1/2020	CWT	1
Cadmium, Total	< 0.08	mg/Kg	0.08	0.25	1	6010B		9/1/2020	CWT	1
Chromium, Total	21.0	mg/Kg	0.08	0.26	1	6010B		9/1/2020	CWT	1
Lead, Total	6.37	mg/Kg	0.17	0.58	1	6010B		9/1/2020	CWT	1
Mercury, Total	0.019	mg/kg	0.019	0.064	1	7471		9/2/2020	CWT	1
Selenium, Total	1.22 "J"	mg/Kg	0.52	1.73	1	6010B		9/1/2020	CWT	1
Silver, Total	< 0.57	mg/Kg	0.57	1.89	1	6010B		9/1/2020	CWT	1
Organic										
Semi Volatiles										
Acetophenone	< 0.0342	mg/kg	0.0342	0.109	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthene	< 0.027	mg/kg	0.027	0.086	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthylene	< 0.0261	mg/kg	0.0261	0.083	1	8270E	9/1/2020	9/1/2020	MJR	1
Anthracene	< 0.0151	mg/kg	0.0151	0.0479	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)anthracene	< 0.0148	mg/kg	0.0148	0.0472	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)pyrene	< 0.0149	mg/kg	0.0149	0.0475	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(b)fluoranthene	< 0.02	mg/kg	0.02	0.0636	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(g,h,i)perylene	< 0.0209	mg/kg	0.0209	0.0666	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(k)fluoranthene	< 0.0137	mg/kg	0.0137	0.0437	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzyl Alcohol	< 0.131	mg/kg	0.131	0.415	1	8270E	9/1/2020	9/1/2020	MJR	1
Butyl benzyl phthalate	< 0.0265	mg/kg	0.0265	0.0843	1	8270E	9/1/2020	9/1/2020	MJR	5
Bis(2-chloroethoxy)methane	< 0.0216	mg/kg	0.0216	0.0686	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroethyl)ether	< 0.0554	mg/kg	0.0554	0.176	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroisopropyl)ether	< 0.0183	mg/kg	0.0183	0.0583	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-ethylhexyl)phthalate	< 0.0898	mg/kg	0.0898	0.186	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Bromophenylphenyl ether	< 0.0249	mg/kg	0.0249	0.0791	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chloro-3-methylphenol	< 254	mg/kg	0.0254	0.081	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chloronaphthalene	< 0.021	mg/kg	0.021	0.0667	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chlorophenol	< 0.0236	mg/kg	0.0236	0.0752	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chlorophenylphenyl ether	< 0.0193	mg/kg	0.0193	0.0612	1	8270E	9/1/2020	9/1/2020	MJR	1
Chrysene	< 0.196	mg/kg	0.196	0.0624	1	8270E	9/1/2020	9/1/2020	MJR	1
o-Cresol	< 0.027	mg/kg	0.027	0.084	1	8270E	9/1/2020	9/1/2020	MJR	1
m & p-Cresol	< 0.029	mg/kg	0.029	0.095	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzofuran	< 0.0275	mg/kg	0.0275	0.0875	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzo(a,h)anthracene	< 0.0188	mg/kg	0.0188	0.0598	1	8270E	9/1/2020	9/1/2020	MJR	1
1,4-Dichlorobenzene	< 0.0194	mg/kg	0.0194	0.0618	1	8270E	9/1/2020	9/1/2020	MJR	1
1,3-Dichlorobenzene	< 0.0199	mg/kg	0.0199	0.0632	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2-Dichlorobenzene	< 0.0245	mg/kg	0.0245	0.0779	1	8270E	9/1/2020	9/1/2020	MJR	1
3,3'-Dichlorobenzidine	< 0.0406	mg/kg	0.0406	0.129	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dichlorophenol	< 0.0512	mg/kg	0.0512	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Diethyl phthalate	< 0.029	mg/kg	0.029	0.0922	1	8270E	9/1/2020	9/1/2020	MJR	1

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Sample ID GP-13 4-6
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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Dimethyl phthalate	0.087	mg/kg	0.0267	0.0849	1	8270E	9/1/2020	9/1/2020	MJR	5
2,4-Dimethylphenol	< 0.0241	mg/kg	0.0241	0.0768	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-butyl phthalate	< 0.139	mg/kg	0.139	0.441	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrophenol	< 0.129	mg/kg	0.129	0.412	1	8270E	9/1/2020	9/1/2020	MJR	1
2,6-Dinitrotoluene	< 0.036	mg/kg	0.036	0.114	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrotoluene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-octyl phthalate	< 0.0244	mg/kg	0.0244	0.0776	1	8270E	9/1/2020	9/1/2020	MJR	1
Diphenylamine	< 0.0281	mg/kg	0.0281	0.0892	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluoranthene	< 0.0173	mg/kg	0.0173	0.0549	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluorene	< 0.0293	mg/kg	0.0293	0.0931	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobenzene	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobutadiene	< 0.0292	mg/kg	0.0292	0.0928	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorocyclopentadiene	< 0.036	mg/kg	0.036	0.115	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachloroethane	< 0.0248	mg/kg	0.0248	0.0789	1	8270E	9/1/2020	9/1/2020	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.0327	mg/kg	0.0327	0.104	1	8270E	9/1/2020	9/1/2020	MJR	1
Isophorone	< 0.0309	mg/kg	0.0309	0.0982	1	8270E	9/1/2020	9/1/2020	MJR	1
1-Methyl naphthalene	< 0.0216	mg/kg	0.0216	0.0688	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl naphthalene	< 0.0234	mg/kg	0.0234	0.0745	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.0887	mg/kg	0.0887	0.282	1	8270E	9/1/2020	9/1/2020	MJR	1
Naphthalene	< 0.0207	mg/kg	0.0207	0.0658	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitroaniline	< 0.0256	mg/kg	0.0256	0.0814	1	8270E	9/1/2020	9/1/2020	MJR	1
3-Nitroaniline	< 0.144	mg/kg	0.144	0.458	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitroaniline	< 0.0511	mg/kg	0.0511	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene	< 0.0415	mg/kg	0.0415	0.132	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitrophenol	< 0.0187	mg/kg	0.0187	0.0595	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitrophenol	< 0.0761	mg/kg	0.0761	0.242	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodimethylamine	< 0.0254	mg/kg	0.0254	0.0808	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodi-n-propylamine	< 0.0266	mg/kg	0.0266	0.0845	1	8270E	9/1/2020	9/1/2020	MJR	1
Pentachlorophenol (PCP)	< 0.148	mg/kg	0.148	0.47	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenanthrene	< 0.0179	mg/kg	0.0179	0.0568	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyrene	< 0.0181	mg/kg	0.0181	0.0575	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyridine	< 0.0261	mg/kg	0.0261	0.0834	1	8270E	9/1/2020	9/1/2020	MJR	1
2,3,4,6-Tetrachlorophenol	< 0.0475	mg/kg	0.0475	0.151	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2,4-Trichlorobenzene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,5-Trichlorophenol	< 0.0365	mg/kg	0.0365	0.116	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Trichlorophenol	< 0.0386	mg/kg	0.0386	0.123	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorobiphenyl-surrogate	51	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorophenol-surrogate	56	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene-d5-surrogate	53	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol-d6-surrogate	54	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
p-Terphenyl-d14-surrogate	63	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Tribromophenol-surrogate	48	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
VOC's										
Benzene	< 0.015	mg/kg	0.015	0.047	1	8260B		9/3/2020	CJR	1
Bromobenzene	< 0.045	mg/kg	0.045	0.14	1	8260B		9/3/2020	CJR	1

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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromodichloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		9/3/2020	CJR	1
Bromoform	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1
tert-Butylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		9/3/2020	CJR	1
sec-Butylbenzene	< 0.024	mg/kg	0.024	0.077	1	8260B		9/3/2020	CJR	1
n-Butylbenzene	< 0.018	mg/kg	0.018	0.056	1	8260B		9/3/2020	CJR	1
Carbon Tetrachloride	< 0.055	mg/kg	0.055	0.17	1	8260B		9/3/2020	CJR	1
Chlorobenzene	< 0.022	mg/kg	0.022	0.07	1	8260B		9/3/2020	CJR	1
Chloroethane	< 0.11	mg/kg	0.11	0.35	1	8260B		9/3/2020	CJR	1
Chloroform	< 0.053	mg/kg	0.053	0.17	1	8260B		9/3/2020	CJR	1
Chloromethane	< 0.088	mg/kg	0.088	0.28	1	8260B		9/3/2020	CJR	1
2-Chlorotoluene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
4-Chlorotoluene	< 0.017	mg/kg	0.017	0.054	1	8260B		9/3/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.064	mg/kg	0.064	0.2	1	8260B		9/3/2020	CJR	1
Dibromochloromethane	< 0.056	mg/kg	0.056	0.18	1	8260B		9/3/2020	CJR	1
1,4-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		9/3/2020	CJR	1
1,3-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		9/3/2020	CJR	1
1,2-Dichlorobenzene	< 0.024	mg/kg	0.024	0.076	1	8260B		9/3/2020	CJR	1
Dichlorodifluoromethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
1,2-Dichloroethane	< 0.037	mg/kg	0.037	0.12	1	8260B		9/3/2020	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.078	1	8260B		9/3/2020	CJR	1
1,1-Dichloroethene	< 0.073	mg/kg	0.073	0.23	1	8260B		9/3/2020	CJR	1
cis-1,2-Dichloroethene	< 0.021	mg/kg	0.021	0.069	1	8260B		9/3/2020	CJR	1
trans-1,2-Dichloroethene	< 0.038	mg/kg	0.038	0.12	1	8260B		9/3/2020	CJR	1
1,2-Dichloropropane	< 0.069	mg/kg	0.069	0.22	1	8260B		9/3/2020	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		9/3/2020	CJR	1
trans-1,3-Dichloropropene	< 0.036	mg/kg	0.036	0.11	1	8260B		9/3/2020	CJR	1
cis-1,3-Dichloropropene	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.021	mg/kg	0.021	0.068	1	8260B		9/3/2020	CJR	1
Ethylbenzene	< 0.019	mg/kg	0.019	0.061	1	8260B		9/3/2020	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.32	1	8260B		9/3/2020	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.078	1	8260B		9/3/2020	CJR	1
p-Isopropyltoluene	< 0.026	mg/kg	0.026	0.083	1	8260B		9/3/2020	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		9/3/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.041	mg/kg	0.041	0.13	1	8260B		9/3/2020	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		9/3/2020	CJR	1
n-Propylbenzene	< 0.019	mg/kg	0.019	0.062	1	8260B		9/3/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.083	mg/kg	0.083	0.26	1	8260B		9/3/2020	CJR	1
Tetrachloroethene	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		9/3/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.087	mg/kg	0.087	0.27	1	8260B		9/3/2020	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/3/2020	CJR	1
1,1,1-Trichloroethane	< 0.053	mg/kg	0.053	0.17	1	8260B		9/3/2020	CJR	1
1,1,2-Trichloroethane	< 0.06	mg/kg	0.06	0.19	1	8260B		9/3/2020	CJR	1
Trichloroethene (TCE)	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1

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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichlorofluoromethane	< 0.1	mg/kg	0.1	0.33	1	8260B		9/3/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.054	mg/kg	0.054	0.17	1	8260B		9/3/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.017	mg/kg	0.017	0.053	1	8260B		9/3/2020	CJR	1
Vinyl Chloride	< 0.066	mg/kg	0.066	0.21	1	8260B		9/3/2020	CJR	1
m&p-Xylene	< 0.083	mg/kg	0.083	0.27	1	8260B		9/3/2020	CJR	1
o-Xylene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
SUR - Dibromofluoromethane	103	Rec %			1	8260B		9/3/2020	CJR	1
SUR - Toluene-d8	101	Rec %			1	8260B		9/3/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	98	Rec %			1	8260B		9/3/2020	CJR	1
SUR - 4-Bromofluorobenzene	110	Rec %			1	8260B		9/3/2020	CJR	1

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Project # 19558

Lab Code 5038383N
Sample ID GP-14 4-6
Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.7	%			1	5021		8/27/2020	MJR	1
Inorganic										
Metals										
Arsenic, Total	3.02	mg/Kg	0.66	2.18	2	6010B		9/1/2020	CWT	1 49
Barium, Total	39.1	mg/Kg	0.21	0.7	1	6010B		9/1/2020	CWT	1
Cadmium, Total	< 0.08	mg/Kg	0.08	0.25	1	6010B		9/1/2020	CWT	1
Chromium, Total	19.8	mg/Kg	0.08	0.26	1	6010B		9/1/2020	CWT	1
Lead, Total	6.66	mg/Kg	0.17	0.58	1	6010B		9/1/2020	CWT	1
Mercury, Total	< 0.019	mg/kg	0.019	0.064	1	7471		9/2/2020	CWT	1
Selenium, Total	1.97	mg/Kg	0.52	1.73	1	6010B		9/1/2020	CWT	1
Silver, Total	< 0.57	mg/Kg	0.57	1.89	1	6010B		9/1/2020	CWT	1
Organic										
Semi Volatiles										
Acetophenone	< 0.0342	mg/kg	0.0342	0.109	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthene	< 0.027	mg/kg	0.027	0.086	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthylene	< 0.0261	mg/kg	0.0261	0.083	1	8270E	9/1/2020	9/1/2020	MJR	1
Anthracene	< 0.0151	mg/kg	0.0151	0.0479	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)anthracene	< 0.0148	mg/kg	0.0148	0.0472	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)pyrene	< 0.0149	mg/kg	0.0149	0.0475	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(b)fluoranthene	< 0.02	mg/kg	0.02	0.0636	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(g,h,i)perylene	< 0.0209	mg/kg	0.0209	0.0666	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(k)fluoranthene	< 0.0137	mg/kg	0.0137	0.0437	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzyl Alcohol	< 0.131	mg/kg	0.131	0.415	1	8270E	9/1/2020	9/1/2020	MJR	1
Butyl benzyl phthalate	< 0.0265	mg/kg	0.0265	0.0843	1	8270E	9/1/2020	9/1/2020	MJR	5
Bis(2-chloroethoxy)methane	< 0.0216	mg/kg	0.0216	0.0686	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroethyl)ether	< 0.0554	mg/kg	0.0554	0.176	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroisopropyl)ether	< 0.0183	mg/kg	0.0183	0.0583	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-ethylhexyl)phthalate	< 0.0898	mg/kg	0.0898	0.186	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Bromophenylphenyl ether	< 0.0249	mg/kg	0.0249	0.0791	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chloro-3-methylphenol	< 254	mg/kg	0.0254	0.081	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chloronaphthalene	< 0.021	mg/kg	0.021	0.0667	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chlorophenol	< 0.0236	mg/kg	0.0236	0.0752	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chlorophenylphenyl ether	< 0.0193	mg/kg	0.0193	0.0612	1	8270E	9/1/2020	9/1/2020	MJR	1
Chrysene	< 0.196	mg/kg	0.196	0.0624	1	8270E	9/1/2020	9/1/2020	MJR	1
o-Cresol	< 0.027	mg/kg	0.027	0.084	1	8270E	9/1/2020	9/1/2020	MJR	1
m & p-Cresol	< 0.029	mg/kg	0.029	0.095	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzofuran	< 0.0275	mg/kg	0.0275	0.0875	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzo(a,h)anthracene	< 0.0188	mg/kg	0.0188	0.0598	1	8270E	9/1/2020	9/1/2020	MJR	1
1,4-Dichlorobenzene	< 0.0194	mg/kg	0.0194	0.0618	1	8270E	9/1/2020	9/1/2020	MJR	1
1,3-Dichlorobenzene	< 0.0199	mg/kg	0.0199	0.0632	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2-Dichlorobenzene	< 0.0245	mg/kg	0.0245	0.0779	1	8270E	9/1/2020	9/1/2020	MJR	1
3,3'-Dichlorobenzidine	< 0.0406	mg/kg	0.0406	0.129	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dichlorophenol	< 0.0512	mg/kg	0.0512	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Diethyl phthalate	< 0.029	mg/kg	0.029	0.0922	1	8270E	9/1/2020	9/1/2020	MJR	1

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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Dimethyl phthalate	0.087	mg/kg	0.0267	0.0849	1	8270E	9/1/2020	9/1/2020	MJR	5
2,4-Dimethylphenol	< 0.0241	mg/kg	0.0241	0.0768	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-butyl phthalate	< 0.139	mg/kg	0.139	0.441	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrophenol	< 0.129	mg/kg	0.129	0.412	1	8270E	9/1/2020	9/1/2020	MJR	1
2,6-Dinitrotoluene	< 0.036	mg/kg	0.036	0.114	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrotoluene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-octyl phthalate	< 0.0244	mg/kg	0.0244	0.0776	1	8270E	9/1/2020	9/1/2020	MJR	1
Diphenylamine	< 0.0281	mg/kg	0.0281	0.0892	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluoranthene	< 0.0173	mg/kg	0.0173	0.0549	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluorene	< 0.0293	mg/kg	0.0293	0.0931	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobenzene	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobutadiene	< 0.0292	mg/kg	0.0292	0.0928	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorocyclopentadiene	< 0.036	mg/kg	0.036	0.115	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachloroethane	< 0.0248	mg/kg	0.0248	0.0789	1	8270E	9/1/2020	9/1/2020	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.0327	mg/kg	0.0327	0.104	1	8270E	9/1/2020	9/1/2020	MJR	1
Isophorone	< 0.0309	mg/kg	0.0309	0.0982	1	8270E	9/1/2020	9/1/2020	MJR	1
1-Methyl naphthalene	< 0.0216	mg/kg	0.0216	0.0688	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl naphthalene	< 0.0234	mg/kg	0.0234	0.0745	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.0887	mg/kg	0.0887	0.282	1	8270E	9/1/2020	9/1/2020	MJR	1
Naphthalene	< 0.0207	mg/kg	0.0207	0.0658	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitroaniline	< 0.0256	mg/kg	0.0256	0.0814	1	8270E	9/1/2020	9/1/2020	MJR	1
3-Nitroaniline	< 0.144	mg/kg	0.144	0.458	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitroaniline	< 0.0511	mg/kg	0.0511	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene	< 0.0415	mg/kg	0.0415	0.132	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitrophenol	< 0.0187	mg/kg	0.0187	0.0595	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitrophenol	< 0.0761	mg/kg	0.0761	0.242	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodimethylamine	< 0.0254	mg/kg	0.0254	0.0808	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodi-n-propylamine	< 0.0266	mg/kg	0.0266	0.0845	1	8270E	9/1/2020	9/1/2020	MJR	1
Pentachlorophenol (PCP)	< 0.148	mg/kg	0.148	0.47	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenanthrene	< 0.0179	mg/kg	0.0179	0.0568	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol	0.0181 "J"	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyrene	< 0.0181	mg/kg	0.0181	0.0575	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyridine	< 0.0261	mg/kg	0.0261	0.0834	1	8270E	9/1/2020	9/1/2020	MJR	1
2,3,4,6-Tetrachlorophenol	< 0.0475	mg/kg	0.0475	0.151	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2,4-Trichlorobenzene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,5-Trichlorophenol	< 0.0365	mg/kg	0.0365	0.116	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Trichlorophenol	< 0.0386	mg/kg	0.0386	0.123	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorobiphenyl-surrogate	53	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorophenol-surrogate	66	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene-d5-surrogate	59	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol-d6-surrogate	62	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
p-Terphenyl-d14-surrogate	55	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Tribromophenol-surrogate	43	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
VOC's										
Benzene	< 0.015	mg/kg	0.015	0.047	1	8260B		9/3/2020	CJR	1
Bromobenzene	< 0.045	mg/kg	0.045	0.14	1	8260B		9/3/2020	CJR	1

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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromodichloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		9/3/2020	CJR	1
Bromoform	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1
tert-Butylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		9/3/2020	CJR	1
sec-Butylbenzene	< 0.024	mg/kg	0.024	0.077	1	8260B		9/3/2020	CJR	1
n-Butylbenzene	< 0.018	mg/kg	0.018	0.056	1	8260B		9/3/2020	CJR	1
Carbon Tetrachloride	< 0.055	mg/kg	0.055	0.17	1	8260B		9/3/2020	CJR	1
Chlorobenzene	< 0.022	mg/kg	0.022	0.07	1	8260B		9/3/2020	CJR	1
Chloroethane	< 0.11	mg/kg	0.11	0.35	1	8260B		9/3/2020	CJR	1
Chloroform	< 0.053	mg/kg	0.053	0.17	1	8260B		9/3/2020	CJR	1
Chloromethane	< 0.088	mg/kg	0.088	0.28	1	8260B		9/3/2020	CJR	1
2-Chlorotoluene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
4-Chlorotoluene	< 0.017	mg/kg	0.017	0.054	1	8260B		9/3/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.064	mg/kg	0.064	0.2	1	8260B		9/3/2020	CJR	1
Dibromochloromethane	< 0.056	mg/kg	0.056	0.18	1	8260B		9/3/2020	CJR	1
1,4-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		9/3/2020	CJR	1
1,3-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		9/3/2020	CJR	1
1,2-Dichlorobenzene	< 0.024	mg/kg	0.024	0.076	1	8260B		9/3/2020	CJR	1
Dichlorodifluoromethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
1,2-Dichloroethane	< 0.037	mg/kg	0.037	0.12	1	8260B		9/3/2020	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.078	1	8260B		9/3/2020	CJR	1
1,1-Dichloroethene	< 0.073	mg/kg	0.073	0.23	1	8260B		9/3/2020	CJR	1
cis-1,2-Dichloroethene	< 0.021	mg/kg	0.021	0.069	1	8260B		9/3/2020	CJR	1
trans-1,2-Dichloroethene	< 0.038	mg/kg	0.038	0.12	1	8260B		9/3/2020	CJR	1
1,2-Dichloropropane	< 0.069	mg/kg	0.069	0.22	1	8260B		9/3/2020	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		9/3/2020	CJR	1
trans-1,3-Dichloropropene	< 0.036	mg/kg	0.036	0.11	1	8260B		9/3/2020	CJR	1
cis-1,3-Dichloropropene	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.021	mg/kg	0.021	0.068	1	8260B		9/3/2020	CJR	1
Ethylbenzene	< 0.019	mg/kg	0.019	0.061	1	8260B		9/3/2020	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.32	1	8260B		9/3/2020	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.078	1	8260B		9/3/2020	CJR	1
p-Isopropyltoluene	< 0.026	mg/kg	0.026	0.083	1	8260B		9/3/2020	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		9/3/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.041	mg/kg	0.041	0.13	1	8260B		9/3/2020	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		9/3/2020	CJR	1
n-Propylbenzene	< 0.019	mg/kg	0.019	0.062	1	8260B		9/3/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.083	mg/kg	0.083	0.26	1	8260B		9/3/2020	CJR	1
Tetrachloroethene	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		9/3/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.087	mg/kg	0.087	0.27	1	8260B		9/3/2020	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/3/2020	CJR	1
1,1,1-Trichloroethane	< 0.053	mg/kg	0.053	0.17	1	8260B		9/3/2020	CJR	1
1,1,2-Trichloroethane	< 0.06	mg/kg	0.06	0.19	1	8260B		9/3/2020	CJR	1
Trichloroethene (TCE)	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1

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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichlorofluoromethane	< 0.1	mg/kg	0.1	0.33	1	8260B		9/3/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.054	mg/kg	0.054	0.17	1	8260B		9/3/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.017	mg/kg	0.017	0.053	1	8260B		9/3/2020	CJR	1
Vinyl Chloride	< 0.066	mg/kg	0.066	0.21	1	8260B		9/3/2020	CJR	1
m&p-Xylene	< 0.083	mg/kg	0.083	0.27	1	8260B		9/3/2020	CJR	1
o-Xylene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	104	Rec %			1	8260B		9/3/2020	CJR	1
SUR - 4-Bromofluorobenzene	116	Rec %			1	8260B		9/3/2020	CJR	1
SUR - Dibromofluoromethane	104	Rec %			1	8260B		9/3/2020	CJR	1
SUR - Toluene-d8	101	Rec %			1	8260B		9/3/2020	CJR	1

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Lab Code 5038383O
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Sample Matrix Soil
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.3	%			1	5021		8/27/2020	MJR	1
Inorganic										
Metals										
Arsenic, Total	< 0.66	mg/Kg	0.66	2.18	2	6010B		9/1/2020	CWT	1
Barium, Total	41.1	mg/Kg	0.21	0.7	1	6010B		9/1/2020	CWT	1
Cadmium, Total	< 0.08	mg/Kg	0.08	0.25	1	6010B		9/1/2020	CWT	1
Chromium, Total	21.1	mg/Kg	0.08	0.26	1	6010B		9/1/2020	CWT	1
Lead, Total	7.25	mg/Kg	0.17	0.58	1	6010B		9/1/2020	CWT	1
Mercury, Total	< 0.019	mg/kg	0.019	0.064	1	7471		9/2/2020	CWT	1
Selenium, Total	0.985 "J"	mg/Kg	0.52	1.73	1	6010B		9/1/2020	CWT	1
Silver, Total	< 0.57	mg/Kg	0.57	1.89	1	6010B		9/1/2020	CWT	1
Organic										
Semi Volatiles										
Acetophenone	< 0.0342	mg/kg	0.0342	0.109	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthene	< 0.027	mg/kg	0.027	0.086	1	8270E	9/1/2020	9/1/2020	MJR	1
Acenaphthylene	< 0.0261	mg/kg	0.0261	0.083	1	8270E	9/1/2020	9/1/2020	MJR	1
Anthracene	< 0.0151	mg/kg	0.0151	0.0479	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)anthracene	< 0.0148	mg/kg	0.0148	0.0472	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(a)pyrene	< 0.0149	mg/kg	0.0149	0.0475	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(b)fluoranthene	< 0.02	mg/kg	0.02	0.0636	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(g,h,i)perylene	< 0.0209	mg/kg	0.0209	0.0666	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzo(k)fluoranthene	< 0.0137	mg/kg	0.0137	0.0437	1	8270E	9/1/2020	9/1/2020	MJR	1
Benzyl Alcohol	< 0.131	mg/kg	0.131	0.415	1	8270E	9/1/2020	9/1/2020	MJR	1
Butyl benzyl phthalate	< 0.0265	mg/kg	0.0265	0.0843	1	8270E	9/1/2020	9/1/2020	MJR	5
Bis(2-chloroethoxy)methane	< 0.0216	mg/kg	0.0216	0.0686	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroethyl)ether	< 0.0554	mg/kg	0.0554	0.176	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-chloroisopropyl)ether	< 0.0183	mg/kg	0.0183	0.0583	1	8270E	9/1/2020	9/1/2020	MJR	1
Bis(2-ethylhexyl)phthalate	< 0.0898	mg/kg	0.0898	0.186	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Bromophenylphenyl ether	< 0.0249	mg/kg	0.0249	0.0791	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chloro-3-methylphenol	< 254	mg/kg	0.0254	0.081	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chloronaphthalene	< 0.021	mg/kg	0.021	0.0667	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Chlorophenol	< 0.0236	mg/kg	0.0236	0.0752	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Chlorophenylphenyl ether	< 0.0193	mg/kg	0.0193	0.0612	1	8270E	9/1/2020	9/1/2020	MJR	1
Chrysene	< 0.196	mg/kg	0.196	0.0624	1	8270E	9/1/2020	9/1/2020	MJR	1
o-Cresol	< 0.027	mg/kg	0.027	0.084	1	8270E	9/1/2020	9/1/2020	MJR	1
m & p-Cresol	< 0.029	mg/kg	0.029	0.095	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzofuran	< 0.0275	mg/kg	0.0275	0.0875	1	8270E	9/1/2020	9/1/2020	MJR	1
Dibenzo(a,h)anthracene	< 0.0188	mg/kg	0.0188	0.0598	1	8270E	9/1/2020	9/1/2020	MJR	1
1,4-Dichlorobenzene	< 0.0194	mg/kg	0.0194	0.0618	1	8270E	9/1/2020	9/1/2020	MJR	1
1,3-Dichlorobenzene	< 0.0199	mg/kg	0.0199	0.0632	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2-Dichlorobenzene	< 0.0245	mg/kg	0.0245	0.0779	1	8270E	9/1/2020	9/1/2020	MJR	1
3,3'-Dichlorobenzidine	< 0.0406	mg/kg	0.0406	0.129	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dichlorophenol	< 0.0512	mg/kg	0.0512	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Diethyl phthalate	< 0.029	mg/kg	0.029	0.0922	1	8270E	9/1/2020	9/1/2020	MJR	1

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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Dimethyl phthalate	0.112	mg/kg	0.0267	0.0849	1	8270E	9/1/2020	9/1/2020	MJR	5
2,4-Dimethylphenol	< 0.0241	mg/kg	0.0241	0.0768	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-butyl phthalate	< 0.139	mg/kg	0.139	0.441	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrophenol	< 0.129	mg/kg	0.129	0.412	1	8270E	9/1/2020	9/1/2020	MJR	1
2,6-Dinitrotoluene	< 0.036	mg/kg	0.036	0.114	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4-Dinitrotoluene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
Di-n-octyl phthalate	< 0.0244	mg/kg	0.0244	0.0776	1	8270E	9/1/2020	9/1/2020	MJR	1
Diphenylamine	< 0.0281	mg/kg	0.0281	0.0892	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluoranthene	< 0.0173	mg/kg	0.0173	0.0549	1	8270E	9/1/2020	9/1/2020	MJR	1
Fluorene	< 0.0293	mg/kg	0.0293	0.0931	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobenzene	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorobutadiene	< 0.0292	mg/kg	0.0292	0.0928	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachlorocyclopentadiene	< 0.036	mg/kg	0.036	0.115	1	8270E	9/1/2020	9/1/2020	MJR	1
Hexachloroethane	< 0.0248	mg/kg	0.0248	0.0789	1	8270E	9/1/2020	9/1/2020	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.0327	mg/kg	0.0327	0.104	1	8270E	9/1/2020	9/1/2020	MJR	1
Isophorone	< 0.0309	mg/kg	0.0309	0.0982	1	8270E	9/1/2020	9/1/2020	MJR	1
1-Methyl naphthalene	< 0.0216	mg/kg	0.0216	0.0688	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl naphthalene	< 0.0234	mg/kg	0.0234	0.0745	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.0887	mg/kg	0.0887	0.282	1	8270E	9/1/2020	9/1/2020	MJR	1
Naphthalene	< 0.0207	mg/kg	0.0207	0.0658	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitroaniline	< 0.0256	mg/kg	0.0256	0.0814	1	8270E	9/1/2020	9/1/2020	MJR	1
3-Nitroaniline	< 0.144	mg/kg	0.144	0.458	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitroaniline	< 0.0511	mg/kg	0.0511	0.163	1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene	< 0.0415	mg/kg	0.0415	0.132	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Nitrophenol	< 0.0187	mg/kg	0.0187	0.0595	1	8270E	9/1/2020	9/1/2020	MJR	1
4-Nitrophenol	< 0.0761	mg/kg	0.0761	0.242	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodimethylamine	< 0.0254	mg/kg	0.0254	0.0808	1	8270E	9/1/2020	9/1/2020	MJR	1
n-Nitrosodi-n-propylamine	< 0.0266	mg/kg	0.0266	0.0845	1	8270E	9/1/2020	9/1/2020	MJR	1
Pentachlorophenol (PCP)	< 0.148	mg/kg	0.148	0.47	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenanthrene	< 0.0179	mg/kg	0.0179	0.0568	1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol	< 0.0174	mg/kg	0.0174	0.0555	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyrene	< 0.0181	mg/kg	0.0181	0.0575	1	8270E	9/1/2020	9/1/2020	MJR	1
Pyridine	< 0.0261	mg/kg	0.0261	0.0834	1	8270E	9/1/2020	9/1/2020	MJR	1
2,3,4,6-Tetrachlorophenol	< 0.0475	mg/kg	0.0475	0.151	1	8270E	9/1/2020	9/1/2020	MJR	1
1,2,4-Trichlorobenzene	< 0.0301	mg/kg	0.0301	0.0958	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,5-Trichlorophenol	< 0.0365	mg/kg	0.0365	0.116	1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Trichlorophenol	< 0.0386	mg/kg	0.0386	0.123	1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorobiphenyl-surrogate	48	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2-Fluorophenol-surrogate	57	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Nitrobenzene-d5-surrogate	53	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
Phenol-d6-surrogate	53	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
p-Terphenyl-d14-surrogate	60	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
2,4,6-Tribromophenol-surrogate	46	REC %			1	8270E	9/1/2020	9/1/2020	MJR	1
VOC's										
Benzene	< 0.015	mg/kg	0.015	0.047	1	8260B		9/3/2020	CJR	1
Bromobenzene	< 0.045	mg/kg	0.045	0.14	1	8260B		9/3/2020	CJR	1

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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromodichloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		9/3/2020	CJR	1
Bromoform	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1
tert-Butylbenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		9/3/2020	CJR	1
sec-Butylbenzene	< 0.024	mg/kg	0.024	0.077	1	8260B		9/3/2020	CJR	1
n-Butylbenzene	< 0.018	mg/kg	0.018	0.056	1	8260B		9/3/2020	CJR	1
Carbon Tetrachloride	< 0.055	mg/kg	0.055	0.17	1	8260B		9/3/2020	CJR	1
Chlorobenzene	< 0.022	mg/kg	0.022	0.07	1	8260B		9/3/2020	CJR	1
Chloroethane	< 0.11	mg/kg	0.11	0.35	1	8260B		9/3/2020	CJR	1
Chloroform	< 0.053	mg/kg	0.053	0.17	1	8260B		9/3/2020	CJR	1
Chloromethane	< 0.088	mg/kg	0.088	0.28	1	8260B		9/3/2020	CJR	1
2-Chlorotoluene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
4-Chlorotoluene	< 0.017	mg/kg	0.017	0.054	1	8260B		9/3/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.064	mg/kg	0.064	0.2	1	8260B		9/3/2020	CJR	1
Dibromochloromethane	< 0.056	mg/kg	0.056	0.18	1	8260B		9/3/2020	CJR	1
1,4-Dichlorobenzene	< 0.039	mg/kg	0.039	0.12	1	8260B		9/3/2020	CJR	1
1,3-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		9/3/2020	CJR	1
1,2-Dichlorobenzene	< 0.024	mg/kg	0.024	0.076	1	8260B		9/3/2020	CJR	1
Dichlorodifluoromethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
1,2-Dichloroethane	< 0.037	mg/kg	0.037	0.12	1	8260B		9/3/2020	CJR	1
1,1-Dichloroethane	< 0.025	mg/kg	0.025	0.078	1	8260B		9/3/2020	CJR	1
1,1-Dichloroethene	< 0.073	mg/kg	0.073	0.23	1	8260B		9/3/2020	CJR	1
cis-1,2-Dichloroethene	< 0.021	mg/kg	0.021	0.069	1	8260B		9/3/2020	CJR	1
trans-1,2-Dichloroethene	< 0.038	mg/kg	0.038	0.12	1	8260B		9/3/2020	CJR	1
1,2-Dichloropropane	< 0.069	mg/kg	0.069	0.22	1	8260B		9/3/2020	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		9/3/2020	CJR	1
trans-1,3-Dichloropropene	< 0.036	mg/kg	0.036	0.11	1	8260B		9/3/2020	CJR	1
cis-1,3-Dichloropropene	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.021	mg/kg	0.021	0.068	1	8260B		9/3/2020	CJR	1
Ethylbenzene	< 0.019	mg/kg	0.019	0.061	1	8260B		9/3/2020	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.32	1	8260B		9/3/2020	CJR	1
Isopropylbenzene	< 0.025	mg/kg	0.025	0.078	1	8260B		9/3/2020	CJR	1
p-Isopropyltoluene	< 0.026	mg/kg	0.026	0.083	1	8260B		9/3/2020	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		9/3/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.041	mg/kg	0.041	0.13	1	8260B		9/3/2020	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		9/3/2020	CJR	1
n-Propylbenzene	< 0.019	mg/kg	0.019	0.062	1	8260B		9/3/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.083	mg/kg	0.083	0.26	1	8260B		9/3/2020	CJR	1
Tetrachloroethene	< 0.04	mg/kg	0.04	0.13	1	8260B		9/3/2020	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		9/3/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.087	mg/kg	0.087	0.27	1	8260B		9/3/2020	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		9/3/2020	CJR	1
1,1,1-Trichloroethane	< 0.053	mg/kg	0.053	0.17	1	8260B		9/3/2020	CJR	1
1,1,2-Trichloroethane	< 0.06	mg/kg	0.06	0.19	1	8260B		9/3/2020	CJR	1
Trichloroethene (TCE)	< 0.048	mg/kg	0.048	0.15	1	8260B		9/3/2020	CJR	1

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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichlorofluoromethane	< 0.1	mg/kg	0.1	0.33	1	8260B		9/3/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.054	mg/kg	0.054	0.17	1	8260B		9/3/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.017	mg/kg	0.017	0.053	1	8260B		9/3/2020	CJR	1
Vinyl Chloride	< 0.066	mg/kg	0.066	0.21	1	8260B		9/3/2020	CJR	1
m&p-Xylene	< 0.083	mg/kg	0.083	0.27	1	8260B		9/3/2020	CJR	1
o-Xylene	< 0.028	mg/kg	0.028	0.09	1	8260B		9/3/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	105	Rec %			1	8260B		9/3/2020	CJR	1
SUR - 4-Bromofluorobenzene	110	Rec %			1	8260B		9/3/2020	CJR	1
SUR - Dibromofluoromethane	101	Rec %			1	8260B		9/3/2020	CJR	1
SUR - Toluene-d8	103	Rec %			1	8260B		9/3/2020	CJR	1

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Project # 19558

Lab Code 5038383P
Sample ID GP-8
Sample Matrix Water
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Arsenic, Dissolved	< 0.8	ug/L	0.8	2.7	1	7060A		8/29/2020	CWT	1
Barium, Dissolved	34.6	ug/L	1.7	5.5	1	200.7		8/31/2020	CWT	1
Cadmium, Dissolved	< 0.4	ug/L	0.4	1.3	1	200.7		8/31/2020	CWT	1
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		8/31/2020	CWT	1
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		8/28/2020	CWT	1
Mercury, Dissolved	< 0.1	ug/L	0.1	0.34	1	245.1		8/28/2020	CWT	1
Mercury, Dissolved	< 0.1	ug/L	0.1	0.34	1	245.1		8/28/2020	CWT	1
Selenium, Dissolved	< 1.2	ug/L	1.2	4	1	7740		9/1/2020	CWT	1
Silver, Dissolved	< 8.4	ug/L	8.4	28	1	200.7		8/31/2020	CWT	1
Organic										
Semi Volatiles										
Acetophenone	< 0.95	ug/l	0.95	3.03	1	8270E	8/31/2020	8/31/2020	MJR	1
Acenaphthene	< 0.7	ug/l	0.7	2.23	1	8270E	8/31/2020	8/31/2020	MJR	1
Acenaphthylene	< 0.63	ug/l	0.63	1.99	1	8270E	8/31/2020	8/31/2020	MJR	1
Anthracene	< 0.65	ug/l	0.65	2.06	1	8270E	8/31/2020	8/31/2020	MJR	1
Benzo(a)anthracene	< 0.51	ug/l	0.51	1.63	1	8270E	8/31/2020	8/31/2020	MJR	1
Benzo(a)pyrene	< 0.58	ug/l	0.58	1.84	1	8270E	8/31/2020	8/31/2020	MJR	1
Benzo(b)fluoranthene	< 0.82	ug/l	0.82	2.62	1	8270E	8/31/2020	8/31/2020	MJR	1
Benzo(g,h,i)perylene	< 1.04	ug/l	1.04	3.32	1	8270E	8/31/2020	8/31/2020	MJR	1
Benzo(k)fluoranthene	< 0.8	ug/l	0.8	2.54	1	8270E	8/31/2020	8/31/2020	MJR	1
Benzyl Alcohol	< 0.97	ug/l	0.97	3.07	1	8270E	8/31/2020	8/31/2020	MJR	1
Butyl benzyl phthalate	< 0.96	ug/l	0.96	3.05	1	8270E	8/31/2020	8/31/2020	MJR	1
Bis(2-chloroethoxy)methane	< 0.58	ug/l	0.58	1.86	1	8270E	8/31/2020	8/31/2020	MJR	1
Bis(2-chloroethyl)ether	< 1.64	ug/l	1.64	5.21	1	8270E	8/31/2020	8/31/2020	MJR	1
Bis(2-chloroisopropyl)ether	< 1.19	ug/l	1.19	3.78	1	8270E	8/31/2020	8/31/2020	MJR	1
Bis(2-ethylhexyl)phthalate	< 1.61	ug/l	1.61	5.13	1	8270E	8/31/2020	8/31/2020	MJR	1
4-Bromophenylphenyl ether	< 0.53	ug/l	0.53	1.69	1	8270E	8/31/2020	8/31/2020	MJR	1
4-Chloro-3-methylphenol	< 0.62	ug/l	0.62	1.97	1	8270E	8/31/2020	8/31/2020	MJR	1
2-Chloronaphthalene	< 0.58	ug/l	0.58	1.83	1	8270E	8/31/2020	8/31/2020	MJR	1
2-Chlorophenol	< 1.14	ug/l	1.14	3.62	1	8270E	8/31/2020	8/31/2020	MJR	1
4-Chlorophenylphenyl ether	< 0.41	ug/l	0.41	1.32	1	8270E	8/31/2020	8/31/2020	MJR	1
Chrysene	< 0.39	ug/l	0.39	1.23	1	8270E	8/31/2020	8/31/2020	MJR	1
o-Cresol	< 0.38	ug/l	0.38	1.22	1	8270E	8/31/2020	8/31/2020	MJR	1
m & p-Cresol	< 0.54	ug/l	0.54	1.72	1	8270E	8/31/2020	8/31/2020	MJR	1
Dibenzofuran	< 0.77	ug/l	0.77	2.46	1	8270E	8/31/2020	8/31/2020	MJR	1
Dibenzo(a,h)anthracene	< 0.99	ug/l	0.99	3.16	1	8270E	8/31/2020	8/31/2020	MJR	1
1,4-Dichlorobenzene	< 0.77	ug/l	0.77	2.44	1	8270E	8/31/2020	8/31/2020	MJR	1
1,3-Dichlorobenzene	< 0.78	ug/l	0.78	2.49	1	8270E	8/31/2020	8/31/2020	MJR	1
1,2-Dichlorobenzene	< 0.69	ug/l	0.69	2.2	1	8270E	8/31/2020	8/31/2020	MJR	1
3,3'-Dichlorobenzidine	< 1.7	ug/l	1.7	5.42	1	8270E	8/31/2020	8/31/2020	MJR	1
2,4-Dichlorophenol	< 1.37	ug/l	1.37	4.36	1	8270E	8/31/2020	8/31/2020	MJR	1
Diethyl phthalate	< 1.12	ug/l	1.12	3.56	1	8270E	8/31/2020	8/31/2020	MJR	1
Dimethyl phthalate	1.02 "J"	ug/l	0.83	2.64	1	8270E	8/31/2020	8/31/2020	MJR	1
2,4-Dimethylphenol	< 0.45	ug/l	0.45	1.43	1	8270E	8/31/2020	8/31/2020	MJR	1

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Sample ID GP-8
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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Di-n-butyl phthalate	5.9	ug/l	1.29	4.12	1	8270E	8/31/2020	8/31/2020	MJR	1
2,4-Dinitrophenol	< 2.32	ug/l	2.32	7.39	1	8270E	8/31/2020	8/31/2020	MJR	1
2,6-Dinitrotoluene	< 0.95	ug/l	0.95	3.03	1	8270E	8/31/2020	8/31/2020	MJR	1
2,4-Dinitrotoluene	< 0.81	ug/l	0.81	2.57	1	8270E	8/31/2020	8/31/2020	MJR	1
Di-n-octyl phthalate	< 0.76	ug/l	0.76	2.43	1	8270E	8/31/2020	8/31/2020	MJR	1
Diphenylamine	< 0.78	ug/l	0.78	2.47	1	8270E	8/31/2020	8/31/2020	MJR	1
Fluoranthene	< 0.44	ug/l	0.44	1.39	1	8270E	8/31/2020	8/31/2020	MJR	1
Fluorene	< 0.73	ug/l	0.73	2.34	1	8270E	8/31/2020	8/31/2020	MJR	1
Hexachlorobenzene	< 0.59	ug/l	0.59	1.89	1	8270E	8/31/2020	8/31/2020	MJR	1
Hexachlorobutadiene	< 0.49	ug/l	0.49	1.56	1	8270E	8/31/2020	8/31/2020	MJR	1
Hexachlorocyclopentadiene	< 2.37	ug/l	2.37	7.53	1	8270E	8/31/2020	8/31/2020	MJR	1
Hexachloroethane	< 1.29	ug/l	1.29	4.1	1	8270E	8/31/2020	8/31/2020	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.98	ug/l	0.98	3.11	1	8270E	8/31/2020	8/31/2020	MJR	1
Isophorone	< 0.91	ug/l	0.91	2.89	1	8270E	8/31/2020	8/31/2020	MJR	1
1-Methyl naphthalene	< 0.72	ug/l	0.72	2.3	1	8270E	8/31/2020	8/31/2020	MJR	1
2-Methyl naphthalene	< 0.9	ug/l	0.9	2.86	1	8270E	8/31/2020	8/31/2020	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.32	ug/l	0.32	1.02	1	8270E	8/31/2020	8/31/2020	MJR	1
Naphthalene	< 0.64	ug/l	0.64	2.04	1	8270E	8/31/2020	8/31/2020	MJR	1
2-Nitroaniline	< 1	ug/l	1	3.17	1	8270E	8/31/2020	8/31/2020	MJR	1
3-Nitroaniline	< 1.53	ug/l	1.53	4.85	1	8270E	8/31/2020	8/31/2020	MJR	1
4-Nitroaniline	< 0.93	ug/l	0.93	2.96	1	8270E	8/31/2020	8/31/2020	MJR	1
Nitrobenzene	< 1.24	ug/l	1.24	3.93	1	8270E	8/31/2020	8/31/2020	MJR	1
2-Nitrophenol	< 1.1	ug/l	1.1	3.5	1	8270E	8/31/2020	8/31/2020	MJR	1
4-Nitrophenol	< 5.59	ug/l	5.59	17.8	1	8270E	8/31/2020	8/31/2020	MJR	1
n-Nitrosodimethylamine	< 0.56	ug/l	0.56	1.79	1	8270E	8/31/2020	8/31/2020	MJR	1
n-Nitrosodi-n-propylamine	< 0.68	ug/l	0.68	2.17	1	8270E	8/31/2020	8/31/2020	MJR	1
Pentachlorophenol (PCP)	< 1.21	ug/l	1.21	3.86	1	8270E	8/31/2020	8/31/2020	MJR	1
Phenanthrene	< 0.69	ug/l	0.69	2.18	1	8270E	8/31/2020	8/31/2020	MJR	1
Phenol	< 0.68	ug/l	0.68	2.18	1	8270E	8/31/2020	8/31/2020	MJR	1
Pyrene	< 0.48	ug/l	0.48	1.52	1	8270E	8/31/2020	8/31/2020	MJR	1
Pyridine	< 1.26	ug/l	1.26	4	1	8270E	8/31/2020	8/31/2020	MJR	1
2,3,4,6-Tetrachlorophenol	< 1.77	ug/l	1.77	5.64	1	8270E	8/31/2020	8/31/2020	MJR	1
1,2,4-Trichlorobenzene	< 0.41	ug/l	0.41	1.3	1	8270E	8/31/2020	8/31/2020	MJR	1
2,4,5-Trichlorophenol	< 0.69	ug/l	0.69	2.21	1	8270E	8/31/2020	8/31/2020	MJR	1
2,4,6-Trichlorophenol	< 0.79	ug/l	0.79	2.52	1	8270E	8/31/2020	8/31/2020	MJR	1
2-Fluorobiphenyl-surrogate	80	REC %			1	8270E	8/31/2020	8/31/2020	MJR	1
2-Fluorophenol-surrogate	43	REC %			1	8270E	8/31/2020	8/31/2020	MJR	1
Nitrobenzene-d5-surrogate	86	REC %			1	8270E	8/31/2020	8/31/2020	MJR	1
Phenol-d6-surrogate	27	REC %			1	8270E	8/31/2020	8/31/2020	MJR	1
p-Terphenyl-d14-surrogate	94	REC %			1	8270E	8/31/2020	8/31/2020	MJR	1
2,4,6-Tribromophenol-surrogate	73	REC %			1	8270E	8/31/2020	8/31/2020	MJR	1
VOC's										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		9/1/2020	CJR	1
Bromobenzene	< 0.26	ug/l	0.26	0.84	1	8260B		9/1/2020	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1	1	8260B		9/1/2020	CJR	1
Bromoform	< 0.65	ug/l	0.65	2.1	1	8260B		9/1/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383P
Sample ID GP-8
Sample Matrix Water
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
tert-Butylbenzene	< 0.61	ug/l	0.61	1.9	1	8260B		9/1/2020	CJR	1
sec-Butylbenzene	< 0.32	ug/l	0.32	1	1	8260B		9/1/2020	CJR	1
n-Butylbenzene	< 0.28	ug/l	0.28	0.89	1	8260B		9/1/2020	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		9/1/2020	CJR	1
Chlorobenzene	< 0.39	ug/l	0.39	1.2	1	8260B		9/1/2020	CJR	1
Chloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		9/1/2020	CJR	1
Chloroform	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2020	CJR	1
Chloromethane	< 0.8	ug/l	0.8	2.5	1	8260B		9/1/2020	CJR	1
2-Chlorotoluene	< 0.32	ug/l	0.32	1	1	8260B		9/1/2020	CJR	1
4-Chlorotoluene	< 0.3	ug/l	0.3	0.96	1	8260B		9/1/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.82	ug/l	0.82	2.6	1	8260B		9/1/2020	CJR	1
Dibromochloromethane	< 0.23	ug/l	0.23	0.74	1	8260B		9/1/2020	CJR	1
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260B		9/1/2020	CJR	1
1,3-Dichlorobenzene	< 0.31	ug/l	0.31	0.98	1	8260B		9/1/2020	CJR	1
1,2-Dichlorobenzene	< 0.32	ug/l	0.32	1	1	8260B		9/1/2020	CJR	1
Dichlorodifluoromethane	< 0.45	ug/l	0.45	1.4	1	8260B		9/1/2020	CJR	1
1,2-Dichloroethane	< 0.39	ug/l	0.39	1.3	1	8260B		9/1/2020	CJR	1
1,1-Dichloroethane	< 0.46	ug/l	0.46	1.5	1	8260B		9/1/2020	CJR	1
1,1-Dichloroethene	< 0.5	ug/l	0.5	1.6	1	8260B		9/1/2020	CJR	1
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		9/1/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		9/1/2020	CJR	1
1,2-Dichloropropane	< 0.38	ug/l	0.38	1.2	1	8260B		9/1/2020	CJR	1
1,3-Dichloropropane	< 0.35	ug/l	0.35	1.1	1	8260B		9/1/2020	CJR	1
trans-1,3-Dichloropropene	< 0.3	ug/l	0.3	0.94	1	8260B		9/1/2020	CJR	1
cis-1,3-Dichloropropene	< 0.36	ug/l	0.36	1.1	1	8260B		9/1/2020	CJR	1
Di-isopropyl ether	< 0.34	ug/l	0.34	1.1	1	8260B		9/1/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.24	ug/l	0.24	0.75	1	8260B		9/1/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		9/1/2020	CJR	1
Hexachlorobutadiene	< 0.72	ug/l	0.72	2.3	1	8260B		9/1/2020	CJR	1
Isopropylbenzene	< 0.32	ug/l	0.32	1	1	8260B		9/1/2020	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.5	1	8260B		9/1/2020	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		9/1/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	8260B		9/1/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		9/1/2020	CJR	1
n-Propylbenzene	< 0.33	ug/l	0.33	1.1	1	8260B		9/1/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.37	ug/l	0.37	1.2	1	8260B		9/1/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.88	ug/l	0.88	3.3	1	8260B		9/1/2020	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1	1	8260B		9/1/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		9/1/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2020	CJR	1
1,2,3-Trichlorobenzene	< 1	ug/l	1	3.2	1	8260B		9/1/2020	CJR	1
1,1,1-Trichloroethane	< 0.3	ug/l	0.3	0.95	1	8260B		9/1/2020	CJR	1
1,1,2-Trichloroethane	< 0.36	ug/l	0.36	1.1	1	8260B		9/1/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		9/1/2020	CJR	1
Trichlorofluoromethane	< 0.42	ug/l	0.42	1.3	1	8260B		9/1/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/1/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383P
Sample ID GP-8
Sample Matrix Water
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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		9/1/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		9/1/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		9/1/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		9/1/2020	CJR	1
SUR - Toluene-d8	112	REC %			1	8260B		9/1/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B		9/1/2020	CJR	1
SUR - 4-Bromofluorobenzene	120	REC %			1	8260B		9/1/2020	CJR	1
SUR - Dibromofluoromethane	104	REC %			1	8260B		9/1/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383Q
Sample ID GP-14
Sample Matrix Water
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Arsenic, Dissolved	2.1 "J"	ug/L	0.8	2.7	1	7060A		8/29/2020	CWT	1
Barium, Dissolved	122	ug/L	1.7	5.5	1	200.7		8/31/2020	CWT	1
Cadmium, Dissolved	< 0.4	ug/L	0.4	1.3	1	200.7		8/31/2020	CWT	1
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		8/31/2020	CWT	1
Lead, Dissolved	3.1 "J"	ug/L	1.1	3.7	1	7421		8/28/2020	CWT	1
Mercury, Dissolved	0.331	ug/L	0.1	0.34	1	245.1		8/28/2020	CWT	1
Mercury, Dissolved	0.331 "J"	ug/L	0.1	0.34	1	245.1		8/28/2020	CWT	1
Selenium, Dissolved	< 1.2	ug/L	1.2	4	1	7740		9/1/2020	CWT	1
Silver, Dissolved	< 8.4	ug/L	8.4	28	1	200.7		8/31/2020	CWT	1
Organic										
Semi Volatiles										
Acetophenone	< 0.95	ug/l	0.95	3.03	1	8270E	8/31/2020	8/31/2020	MJR	1
Acenaphthene	< 0.7	ug/l	0.7	2.23	1	8270E	8/31/2020	8/31/2020	MJR	1
Acenaphthylene	< 0.63	ug/l	0.63	1.99	1	8270E	8/31/2020	8/31/2020	MJR	1
Anthracene	< 0.65	ug/l	0.65	2.06	1	8270E	8/31/2020	8/31/2020	MJR	1
Benzo(a)anthracene	< 0.51	ug/l	0.51	1.63	1	8270E	8/31/2020	8/31/2020	MJR	1
Benzo(a)pyrene	< 0.58	ug/l	0.58	1.84	1	8270E	8/31/2020	8/31/2020	MJR	1
Benzo(b)fluoranthene	< 0.82	ug/l	0.82	2.62	1	8270E	8/31/2020	8/31/2020	MJR	1
Benzo(g,h,i)perylene	< 1.04	ug/l	1.04	3.32	1	8270E	8/31/2020	8/31/2020	MJR	1
Benzo(k)fluoranthene	< 0.8	ug/l	0.8	2.54	1	8270E	8/31/2020	8/31/2020	MJR	1
Benzyl Alcohol	< 0.97	ug/l	0.97	3.07	1	8270E	8/31/2020	8/31/2020	MJR	1
Butyl benzyl phthalate	< 0.96	ug/l	0.96	3.05	1	8270E	8/31/2020	8/31/2020	MJR	1
Bis(2-chloroethoxy)methane	< 0.58	ug/l	0.58	1.86	1	8270E	8/31/2020	8/31/2020	MJR	1
Bis(2-chloroethyl)ether	< 1.64	ug/l	1.64	5.21	1	8270E	8/31/2020	8/31/2020	MJR	1
Bis(2-chloroisopropyl)ether	< 1.19	ug/l	1.19	3.78	1	8270E	8/31/2020	8/31/2020	MJR	1
Bis(2-ethylhexyl)phthalate	< 1.61	ug/l	1.61	5.13	1	8270E	8/31/2020	8/31/2020	MJR	1
4-Bromophenylphenyl ether	< 0.53	ug/l	0.53	1.69	1	8270E	8/31/2020	8/31/2020	MJR	1
4-Chloro-3-methylphenol	< 0.62	ug/l	0.62	1.97	1	8270E	8/31/2020	8/31/2020	MJR	1
2-Chloronaphthalene	< 0.58	ug/l	0.58	1.83	1	8270E	8/31/2020	8/31/2020	MJR	1
2-Chlorophenol	< 1.14	ug/l	1.14	3.62	1	8270E	8/31/2020	8/31/2020	MJR	1
4-Chlorophenylphenyl ether	< 0.41	ug/l	0.41	1.32	1	8270E	8/31/2020	8/31/2020	MJR	1
Chrysene	< 0.39	ug/l	0.39	1.23	1	8270E	8/31/2020	8/31/2020	MJR	1
o-Cresol	< 0.38	ug/l	0.38	1.22	1	8270E	8/31/2020	8/31/2020	MJR	1
m & p-Cresol	< 0.54	ug/l	0.54	1.72	1	8270E	8/31/2020	8/31/2020	MJR	1
Dibenzofuran	< 0.77	ug/l	0.77	2.46	1	8270E	8/31/2020	8/31/2020	MJR	1
Dibenzo(a,h)anthracene	< 0.99	ug/l	0.99	3.16	1	8270E	8/31/2020	8/31/2020	MJR	1
1,4-Dichlorobenzene	< 0.77	ug/l	0.77	2.44	1	8270E	8/31/2020	8/31/2020	MJR	1
1,3-Dichlorobenzene	< 0.78	ug/l	0.78	2.49	1	8270E	8/31/2020	8/31/2020	MJR	1
1,2-Dichlorobenzene	< 0.69	ug/l	0.69	2.2	1	8270E	8/31/2020	8/31/2020	MJR	1
3,3'-Dichlorobenzidine	< 1.7	ug/l	1.7	5.42	1	8270E	8/31/2020	8/31/2020	MJR	1
2,4-Dichlorophenol	< 1.37	ug/l	1.37	4.36	1	8270E	8/31/2020	8/31/2020	MJR	1
Diethyl phthalate	< 1.12	ug/l	1.12	3.56	1	8270E	8/31/2020	8/31/2020	MJR	1
Dimethyl phthalate	0.88 "J"	ug/l	0.83	2.64	1	8270E	8/31/2020	8/31/2020	MJR	1
2,4-Dimethylphenol	< 0.45	ug/l	0.45	1.43	1	8270E	8/31/2020	8/31/2020	MJR	1

Project Name RAEME COUNTY **Invoice #** E38383
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Lab Code 5038383Q
Sample ID GP-14
Sample Matrix Water
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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Di-n-butyl phthalate	< 1.29	ug/l	1.29	4.12	1	8270E	8/31/2020	8/31/2020	MJR	1
2,4-Dinitrophenol	< 2.32	ug/l	2.32	7.39	1	8270E	8/31/2020	8/31/2020	MJR	1
2,6-Dinitrotoluene	< 0.95	ug/l	0.95	3.03	1	8270E	8/31/2020	8/31/2020	MJR	1
2,4-Dinitrotoluene	< 0.81	ug/l	0.81	2.57	1	8270E	8/31/2020	8/31/2020	MJR	1
Di-n-octyl phthalate	< 0.76	ug/l	0.76	2.43	1	8270E	8/31/2020	8/31/2020	MJR	1
Diphenylamine	< 0.78	ug/l	0.78	2.47	1	8270E	8/31/2020	8/31/2020	MJR	1
Fluoranthene	< 0.44	ug/l	0.44	1.39	1	8270E	8/31/2020	8/31/2020	MJR	1
Fluorene	< 0.73	ug/l	0.73	2.34	1	8270E	8/31/2020	8/31/2020	MJR	1
Hexachlorobenzene	< 0.59	ug/l	0.59	1.89	1	8270E	8/31/2020	8/31/2020	MJR	1
Hexachlorobutadiene	< 0.49	ug/l	0.49	1.56	1	8270E	8/31/2020	8/31/2020	MJR	1
Hexachlorocyclopentadiene	< 2.37	ug/l	2.37	7.53	1	8270E	8/31/2020	8/31/2020	MJR	1
Hexachloroethane	< 1.29	ug/l	1.29	4.1	1	8270E	8/31/2020	8/31/2020	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.98	ug/l	0.98	3.11	1	8270E	8/31/2020	8/31/2020	MJR	1
Isophorone	< 0.91	ug/l	0.91	2.89	1	8270E	8/31/2020	8/31/2020	MJR	1
1-Methyl naphthalene	< 0.72	ug/l	0.72	2.3	1	8270E	8/31/2020	8/31/2020	MJR	1
2-Methyl naphthalene	< 0.9	ug/l	0.9	2.86	1	8270E	8/31/2020	8/31/2020	MJR	1
2-Methyl-4,6-dinitrophenol	< 0.32	ug/l	0.32	1.02	1	8270E	8/31/2020	8/31/2020	MJR	1
Naphthalene	< 0.64	ug/l	0.64	2.04	1	8270E	8/31/2020	8/31/2020	MJR	1
2-Nitroaniline	< 1	ug/l	1	3.17	1	8270E	8/31/2020	8/31/2020	MJR	1
3-Nitroaniline	< 1.53	ug/l	1.53	4.85	1	8270E	8/31/2020	8/31/2020	MJR	1
4-Nitroaniline	< 0.93	ug/l	0.93	2.96	1	8270E	8/31/2020	8/31/2020	MJR	1
Nitrobenzene	< 1.24	ug/l	1.24	3.93	1	8270E	8/31/2020	8/31/2020	MJR	1
2-Nitrophenol	< 1.1	ug/l	1.1	3.5	1	8270E	8/31/2020	8/31/2020	MJR	1
4-Nitrophenol	< 5.59	ug/l	5.59	17.8	1	8270E	8/31/2020	8/31/2020	MJR	1
n-Nitrosodimethylamine	< 0.56	ug/l	0.56	1.79	1	8270E	8/31/2020	8/31/2020	MJR	1
n-Nitrosodi-n-propylamine	< 0.68	ug/l	0.68	2.17	1	8270E	8/31/2020	8/31/2020	MJR	1
Pentachlorophenol (PCP)	< 1.21	ug/l	1.21	3.86	1	8270E	8/31/2020	8/31/2020	MJR	1
Phenanthrene	< 0.69	ug/l	0.69	2.18	1	8270E	8/31/2020	8/31/2020	MJR	1
Phenol	< 0.68	ug/l	0.68	2.18	1	8270E	8/31/2020	8/31/2020	MJR	1
Pyrene	< 0.48	ug/l	0.48	1.52	1	8270E	8/31/2020	8/31/2020	MJR	1
Pyridine	< 1.26	ug/l	1.26	4	1	8270E	8/31/2020	8/31/2020	MJR	1
2,3,4,6-Tetrachlorophenol	< 1.77	ug/l	1.77	5.64	1	8270E	8/31/2020	8/31/2020	MJR	1
1,2,4-Trichlorobenzene	< 0.41	ug/l	0.41	1.3	1	8270E	8/31/2020	8/31/2020	MJR	1
2,4,5-Trichlorophenol	< 0.69	ug/l	0.69	2.21	1	8270E	8/31/2020	8/31/2020	MJR	1
2,4,6-Trichlorophenol	< 0.79	ug/l	0.79	2.52	1	8270E	8/31/2020	8/31/2020	MJR	1
2-Fluorobiphenyl-surrogate	55	REC %			1	8270E	8/31/2020	8/31/2020	MJR	1
2-Fluorophenol-surrogate	30	REC %			1	8270E	8/31/2020	8/31/2020	MJR	1
Nitrobenzene-d5-surrogate	60	REC %			1	8270E	8/31/2020	8/31/2020	MJR	1
Phenol-d6-surrogate	17.9	REC %			1	8270E	8/31/2020	8/31/2020	MJR	1
p-Terphenyl-d14-surrogate	63	REC %			1	8270E	8/31/2020	8/31/2020	MJR	1
2,4,6-Tribromophenol-surrogate	48	REC %			1	8270E	8/31/2020	8/31/2020	MJR	1
VOC's										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		9/1/2020	CJR	1
Bromobenzene	< 0.26	ug/l	0.26	0.84	1	8260B		9/1/2020	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1	1	8260B		9/1/2020	CJR	1
Bromoform	< 0.65	ug/l	0.65	2.1	1	8260B		9/1/2020	CJR	1

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Lab Code 5038383Q
Sample ID GP-14
Sample Matrix Water
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
tert-Butylbenzene	< 0.61	ug/l	0.61	1.9	1	8260B		9/1/2020	CJR	1
sec-Butylbenzene	< 0.32	ug/l	0.32	1	1	8260B		9/1/2020	CJR	1
n-Butylbenzene	< 0.28	ug/l	0.28	0.89	1	8260B		9/1/2020	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		9/1/2020	CJR	1
Chlorobenzene	< 0.39	ug/l	0.39	1.2	1	8260B		9/1/2020	CJR	1
Chloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		9/1/2020	CJR	1
Chloroform	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2020	CJR	1
Chloromethane	< 0.8	ug/l	0.8	2.5	1	8260B		9/1/2020	CJR	1
2-Chlorotoluene	< 0.32	ug/l	0.32	1	1	8260B		9/1/2020	CJR	1
4-Chlorotoluene	< 0.3	ug/l	0.3	0.96	1	8260B		9/1/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.82	ug/l	0.82	2.6	1	8260B		9/1/2020	CJR	1
Dibromochloromethane	< 0.23	ug/l	0.23	0.74	1	8260B		9/1/2020	CJR	1
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260B		9/1/2020	CJR	1
1,3-Dichlorobenzene	< 0.31	ug/l	0.31	0.98	1	8260B		9/1/2020	CJR	1
1,2-Dichlorobenzene	< 0.32	ug/l	0.32	1	1	8260B		9/1/2020	CJR	1
Dichlorodifluoromethane	< 0.45	ug/l	0.45	1.4	1	8260B		9/1/2020	CJR	1
1,2-Dichloroethane	< 0.39	ug/l	0.39	1.3	1	8260B		9/1/2020	CJR	1
1,1-Dichloroethane	< 0.46	ug/l	0.46	1.5	1	8260B		9/1/2020	CJR	1
1,1-Dichloroethene	< 0.5	ug/l	0.5	1.6	1	8260B		9/1/2020	CJR	1
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		9/1/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		9/1/2020	CJR	1
1,2-Dichloropropane	< 0.38	ug/l	0.38	1.2	1	8260B		9/1/2020	CJR	1
1,3-Dichloropropane	< 0.35	ug/l	0.35	1.1	1	8260B		9/1/2020	CJR	1
trans-1,3-Dichloropropene	< 0.3	ug/l	0.3	0.94	1	8260B		9/1/2020	CJR	1
cis-1,3-Dichloropropene	< 0.36	ug/l	0.36	1.1	1	8260B		9/1/2020	CJR	1
Di-isopropyl ether	< 0.34	ug/l	0.34	1.1	1	8260B		9/1/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.24	ug/l	0.24	0.75	1	8260B		9/1/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		9/1/2020	CJR	1
Hexachlorobutadiene	< 0.72	ug/l	0.72	2.3	1	8260B		9/1/2020	CJR	1
Isopropylbenzene	< 0.32	ug/l	0.32	1	1	8260B		9/1/2020	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.5	1	8260B		9/1/2020	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		9/1/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	8260B		9/1/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		9/1/2020	CJR	1
n-Propylbenzene	< 0.33	ug/l	0.33	1.1	1	8260B		9/1/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.37	ug/l	0.37	1.2	1	8260B		9/1/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.88	ug/l	0.88	3.3	1	8260B		9/1/2020	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1	1	8260B		9/1/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		9/1/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2020	CJR	1
1,2,3-Trichlorobenzene	< 1	ug/l	1	3.2	1	8260B		9/1/2020	CJR	1
1,1,1-Trichloroethane	< 0.3	ug/l	0.3	0.95	1	8260B		9/1/2020	CJR	1
1,1,2-Trichloroethane	< 0.36	ug/l	0.36	1.1	1	8260B		9/1/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		9/1/2020	CJR	1
Trichlorofluoromethane	< 0.42	ug/l	0.42	1.3	1	8260B		9/1/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/1/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383Q
Sample ID GP-14
Sample Matrix Water
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		9/1/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		9/1/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		9/1/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		9/1/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		9/1/2020	CJR	1
SUR - Toluene-d8	110	REC %			1	8260B		9/1/2020	CJR	1
SUR - 4-Bromofluorobenzene	115	REC %			1	8260B		9/1/2020	CJR	1
SUR - Dibromofluoromethane	104	REC %			1	8260B		9/1/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383R
Sample ID DUP
Sample Matrix Water
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		9/1/2020	CJR	1
Bromobenzene	< 0.26	ug/l	0.26	0.84	1	8260B		9/1/2020	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1	1	8260B		9/1/2020	CJR	1
Bromoform	< 0.65	ug/l	0.65	2.1	1	8260B		9/1/2020	CJR	1
tert-Butylbenzene	< 0.61	ug/l	0.61	1.9	1	8260B		9/1/2020	CJR	1
sec-Butylbenzene	< 0.32	ug/l	0.32	1	1	8260B		9/1/2020	CJR	1
n-Butylbenzene	< 0.28	ug/l	0.28	0.89	1	8260B		9/1/2020	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		9/1/2020	CJR	1
Chlorobenzene	< 0.39	ug/l	0.39	1.2	1	8260B		9/1/2020	CJR	1
Chloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		9/1/2020	CJR	1
Chloroform	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2020	CJR	1
Chloromethane	< 0.8	ug/l	0.8	2.5	1	8260B		9/1/2020	CJR	1
2-Chlorotoluene	< 0.32	ug/l	0.32	1	1	8260B		9/1/2020	CJR	1
4-Chlorotoluene	< 0.3	ug/l	0.3	0.96	1	8260B		9/1/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.82	ug/l	0.82	2.6	1	8260B		9/1/2020	CJR	1
Dibromochloromethane	< 0.23	ug/l	0.23	0.74	1	8260B		9/1/2020	CJR	1
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260B		9/1/2020	CJR	1
1,3-Dichlorobenzene	< 0.31	ug/l	0.31	0.98	1	8260B		9/1/2020	CJR	1
1,2-Dichlorobenzene	< 0.32	ug/l	0.32	1	1	8260B		9/1/2020	CJR	1
Dichlorodifluoromethane	< 0.45	ug/l	0.45	1.4	1	8260B		9/1/2020	CJR	1
1,2-Dichloroethane	< 0.39	ug/l	0.39	1.3	1	8260B		9/1/2020	CJR	1
1,1-Dichloroethane	< 0.46	ug/l	0.46	1.5	1	8260B		9/1/2020	CJR	1
1,1-Dichloroethene	< 0.5	ug/l	0.5	1.6	1	8260B		9/1/2020	CJR	1
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		9/1/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		9/1/2020	CJR	1
1,2-Dichloropropane	< 0.38	ug/l	0.38	1.2	1	8260B		9/1/2020	CJR	1
1,3-Dichloropropane	< 0.35	ug/l	0.35	1.1	1	8260B		9/1/2020	CJR	1
trans-1,3-Dichloropropene	< 0.3	ug/l	0.3	0.94	1	8260B		9/1/2020	CJR	1
cis-1,3-Dichloropropene	< 0.36	ug/l	0.36	1.1	1	8260B		9/1/2020	CJR	1
Di-isopropyl ether	< 0.34	ug/l	0.34	1.1	1	8260B		9/1/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.24	ug/l	0.24	0.75	1	8260B		9/1/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		9/1/2020	CJR	1
Hexachlorobutadiene	< 0.72	ug/l	0.72	2.3	1	8260B		9/1/2020	CJR	1
Isopropylbenzene	< 0.32	ug/l	0.32	1	1	8260B		9/1/2020	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.5	1	8260B		9/1/2020	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		9/1/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	8260B		9/1/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		9/1/2020	CJR	1
n-Propylbenzene	< 0.33	ug/l	0.33	1.1	1	8260B		9/1/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.37	ug/l	0.37	1.2	1	8260B		9/1/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.88	ug/l	0.88	3.3	1	8260B		9/1/2020	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1	1	8260B		9/1/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		9/1/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2020	CJR	1

Project Name RAEME COUNTY **Invoice #** E38383
Project # 19558

Lab Code 5038383R
Sample ID DUP
Sample Matrix Water
Sample Date 8/25/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1	ug/l	1	3.2	1	8260B		9/1/2020	CJR	1
1,1,1-Trichloroethane	< 0.3	ug/l	0.3	0.95	1	8260B		9/1/2020	CJR	1
1,1,2-Trichloroethane	< 0.36	ug/l	0.36	1.1	1	8260B		9/1/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		9/1/2020	CJR	1
Trichlorofluoromethane	< 0.42	ug/l	0.42	1.3	1	8260B		9/1/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		9/1/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		9/1/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		9/1/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		9/1/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		9/1/2020	CJR	1
SUR - Toluene-d8	110	REC %			1	8260B		9/1/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		9/1/2020	CJR	1
SUR - 4-Bromofluorobenzene	117	REC %			1	8260B		9/1/2020	CJR	1
SUR - Dibromofluoromethane	104	REC %			1	8260B		9/1/2020	CJR	1

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.
5	The QC blank not within established limits.
49	Sample diluted to compensate for matrix interference.

CWT denotes sub contract lab - Certification #445126660

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

www.synergy-lab.net
1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • mrsynergy@wi.twcbc.com

Chain # No 39958

Page ____ of ____

Sample Handling Request

X Rush Analysis Date Required: 9/3

(Rushes accepted only with prior authorization)

____ Normal Turn Around

Lab I.D. #

QUOTE # :

Project #: 19558

Sampler: (signature)

Project (Name / Location): Racine County #19558

Reports To: Jacob Krause	Invoice To: same
Company The Sigma Group	Company
Address	Address
City State Zip	City State Zip
Phone	Phone
Email jkrause@thesigmagroup.us	Email

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	SVOC	PID/ FID
503838 3A	GP-1 (8-10)	8-25		N	4	S	Methanol													X		X	X	
B	GP-2 (8-10)																			X		X	X	
C	GP-3 (2-4)																			X		X	X	
D	GP-4 (8-10)																			X		X	X	
E	GP-5 (4-6)																			X		X	X	
F	GP-6 (4-6)																			X		X	X	
G	GP-7 (2-4)																			X		X	X	
H	GP-8 (1-3)																			X		X	X	
I	GP-9 (2-4)																			X		X	X	
J	GP-10 (1-3)																			X		X	X	
K	GP-11 (4-6)																			X		X	X	
L	GP-12 (2-4)																			X		X	X	

HOLD

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Need all results by 9/3, standard Sigma rates for VOCs and SVOCs, 25% mark-up for rush on RCRA Metals

Sample Integrity - To be completed by receiving lab.

Method of Shipment: GC

Temp. of Temp. Blank: ____ °C On Ice: X

Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	11am	8/26			

Received in Laboratory By: Time: 8:00 Date: 8/27/

CHAIN OF CUSTODY RECORD

Synergy
Environmental Lab, Inc.
www.synergy-lab.net
1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • mrsynergy@wi.twcbc.com

Chain # No 39959
Page 2 of 2

Sample Handling Request
X Rush Analysis Date Required: 9/3
(Rushes accepted only with prior authorization)
____ Normal Turn Around

Lab I.D. #	
QUOTE # :	
Project #:	
Sampler: (signature)	
Project (Name / Location):	19958
Reports To:	same as page 1
Company	
Address	
City State Zip	
Phone	
Email	
Invoice To:	same
Company	
Address	
City State Zip	
Phone	
Email	

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	SVOC						PID/ FID
503833M	GP-13 (4-6)	8-25		N	4															X		X	X						
N	GP-14 (4-6)	↓		N																X		X	X						
O	GP-15 (4-6)	↓		N																X		X	X						
P	GP-8	8/26		~~N~~ Y	5	GW	HCl/HNO3													X		X	X						
Q	GP-14	↓		~~N~~ No	5	GW	HCl													X		X	X						
R	Dup	↓		N	3	GW	HCl													X									

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

see page 1.

note: GP-14 for RCRA metals GW sample needs to be filtered and preserved for dissolved metals analysis, GP-8 was field filtered and preserved

Sample Integrity - To be completed by receiving lab.
Method of Shipment: GC
Temp. of Temp. Blank: ____ °C On Ice: X
Cooler seal intact upon receipt: X Yes ____ No

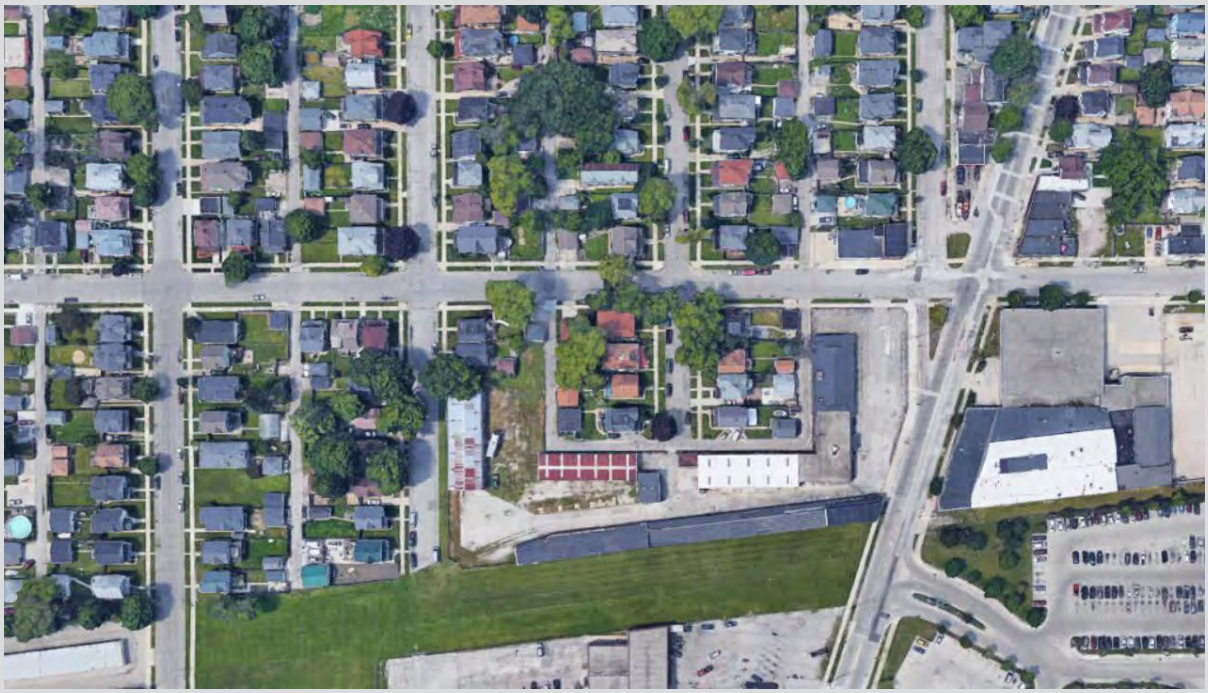
Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	Noon	8/26			

Received in Laboratory By: [signature] Time: 8:00 Date: 8/27/20

PHASE I ENVIRONMENTAL SITE ASSESSMENT

BRANNUM LUMBER

1720 Taylor Avenue, Racine, Wisconsin 53403| July 2020



Prepared For:

Nicole Jurgens
Corporation Counsel – Legal Coordinator
Racine County
730 Wisconsin Avenue
Racine, Wisconsin 53403

Prepared By:

Travis Peterson
Associate, Senior Project Manager
Kapur & Associates, Inc.

SUBMITTAL CERTIFICATION
PHASE I ENVIRONMENTAL SITE ASSESSMENT

Brannum Lumber
1720 Taylor Avenue
Racine, Wisconsin 53403

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in § 312.10 of 40 CFR § 312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Travis W. Peterson

July 31, 2020

Travis Peterson
Associate, Senior Project Manager
Kapur Inc.

Date

Ashley A. Wagner

July 31, 2020

Ashley Wagner, P.G.
Professional Geologist
Kapur Inc.

Date

Jennifer Skweres

July 31, 2020

Jennifer Skweres
Environmental Field Technician
Kapur Inc.

Date

TABLE OF CONTENTS

APPENDICES

EXECUTIVE SUMMARY

Kapur Inc. (Kapur) has completed a Phase I Environmental Site Assessment (Phase I ESA) of the Brannum Lumber property at 1720 Taylor Avenue in the City of Racine, Racine County, Wisconsin (hereafter-called subject site or subject property). This Phase I ESA was completed for Racine County.

This Phase I ESA was completed to identify, to the extent feasible, the potential sources for environmental contamination, or recognized environmental conditions (RECs), of the site due to the area's present or past land use including migration of any potential off-site contaminants from the adjoining areas. Recognized Environmental Conditions or RECs are defined as: "The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; (3) under conditions that pose a material threat of a future of a future release to the environment. De minimis conditions are not recognized environmental conditions." This assessment was performed in general accordance with the American Society for Testing and Materials (ASTM) standard practice for Environmental Site Assessments Phase I Environmental Site Assessment Process E1527-13 and the Environmental Protection Agency's (EPA) Title 40, Code of Federal Regulations, Part 312 (40 CFR part 312) – Standard Practices for All Appropriate Inquiries (AAI) and included site reconnaissance of the project area and a search of regulatory and historical records to determine sources of potential environmental contamination. This assessment has revealed no evidence of a Recognized Environmental Condition in connection with the subject property and/or surrounding area except for the following:

Subject Property

The subject property address was not identified during a record search of federal and state databases within the ASTM recommended minimum search distances.

Surrounding Area

A review of the findings within a record search of federal and state databases per the ASTM recommended minimum search distances and additional documentation (where available) revealed no sites that would potentially constitute a REC of significant concern to the subject property.

The risk of contamination at the property is minimal. As such, further investigation (Phase II ESA) is not warranted at this time.

If the project scope should expand or changes to the current property land use (or layout) be proposed, this environmental site assessment may require reevaluation and additional environmental investigation activities would be warranted.

1.0 INTRODUCTION

1.1 Purpose

Kapur Inc. (Kapur) has completed a Phase I Environmental Site Assessment (Phase I ESA) of the Brannum Lumber property at 1720 Taylor Avenue in the City of Racine, Racine County, Wisconsin (hereafter-called subject site or subject property). The purpose of this Phase I ESA was to identify, to the extent feasible, the potential sources for environmental contamination, or recognized environmental conditions (RECs), as defined in ASTM Standard E1527-13 of the site due to the area's present or past land use including migration of any potential off-site contaminants from the adjoining areas.

1.2 Detailed Scope of Services

This assessment was performed in general accordance with the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E1527-13 (Ref. 1) and the Environmental Protection Agency's (EPA) Title 40, Code of Federal Regulations, Part 312 (40 CFR part 312) – Standard Practices for All Appropriate Inquiries (AAI) (Ref 2) and included site reconnaissance of the project area and a search of regulatory and historical records to determine sources of potential environmental contamination. The site reconnaissance included visual observation of the project area for the presence of hazardous substances, hazardous substance containers, storage tanks, indications of solid waste disposal, leaking sewer lines and septic systems, fill areas, ground depressions, distressed vegetation, and other indicators of potential environmental concern. Standard record sources within the ASTM-specified search distances reviewed included the State of Wisconsin and the United States Environmental Protection Agency (U.S. EPA) databases. Environmental record sources that consisted of local and state records were checked to enhance and supplement the standard record sources. Kapur also reviewed the orphan list, provided by the database contractor, of sites that due to poor or inadequate address information are not mapped. Historical topographic maps and aerial photographs were also reviewed to determine changes in land use in the project area over time. Site and/or telephone interviews were conducted with local officials/residents, where applicable, to gather site-specific information on the properties of concern within the project area.

The American Society for Testing and Materials (ASTM) Standard E1527-13 states that: (The Phase I Environmental Site Assessment) "…is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability; that is, the practice that constitutes all appropriate inquiries into previous ownership and uses of the property consistent with good commercial and customary practice, as defined in 42 USC, § 9601(35)(B)."

The ASTM Standard E1527-13 defines a REC as:

> "The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions."

The ASTM Standard E1527-13 defines a controlled REC (CREC) as:

> "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established to regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the Environmental Professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment Report."

The ASTM Standard E1527-13 defines a historical REC (HREC) as:

> "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition."

The ASTM Standard E1527-13 defines a vapor encroachment Concern (VEC) as:

> "the presence or likely presence of chemical of concern vapors in the subsurface of the target property caused by the release of vapors from contaminated soil and/or groundwater either on or near the target property."

1.3 Assumptions

Kapur assumes that all information obtained from Client and/or current owner (representative) for the subject property is correct and complete. Kapur also assumes that the Client and/or current owner (representative) has provided Kapur with all reasonably ascertainable prior environmental reports concerning the subject property. Finally, Kapur assumes that this report will be read in its entirety by the user.

This report has been prepared to summarize observed RECs, historical RECs, and controlled RECs on the subject property. Environmental conditions and regulations are subject to constant change and reinterpretation. Current observations, conditions, or regulatory positions may not represent conditions at some future time. This report represents Kapur's judgment and opinion based on the information obtained. No warranty either expressed or implied with regard to the site conditions, or Client and/or current owner (representative) ability to assert any defense under CERCLA or any comparable state law for residual environmental impairment, is contained herein.

1.4 Limitations and Exemptions

This Phase I ESA was conducted in general accordance with ASTM Standard E1527-13, EPA 40 CFR part 312 AAI Rule and in a manner consistent with industry standard. This Phase I ESA did not include a review of or testing for the additional non-scope items identified in ASTM E1527-13, Section 13.1.5, listed below:

- Asbestos Containing Building Materials
- Biological Agents
- Cultural and Historical Resources
- Ecological Resources
- Endangered Species
- Health and Safety
- Indoor Air Quality
- Industrial Hygiene
- Lead-Based Paint
- Lead in Drinking Water
- Mold
- Radon
- Regulatory Compliance
- Wetlands

Information obtained, in part, from Client, property owner (representative), outside agents, and third parties and are assumed by Kapur to be correct and complete. As facts stated in this report are subject to professional interpretation, differing conclusions could result. Additionally, the findings and conclusions contained in this report are based on conditions, operations, and practices as they existed on or near the date of the site reconnaissance. Changes or modifications to the subject property made after the site visit are not included.

1.5 Data Gaps

Kapur did not encounter data gaps that affected the ability of the environmental professional to identify conditions indicative of releases or threatened releases other than limitations noted in Section 1.4.

1.6 User Reliance

This report is confidential and was prepared for Racine County. Kapur recommends that this report be used only for the purpose intended by Racine County and Kapur as of the date of this report. This report may be unsuitable for other uses, and reliance on its contents by anyone other than Racine county is done at the sole risk of the user. Kapur accepts no responsibility for application or interpretation of the results by any other parties.

1.7 Definitions

Environmental Repair: ERP

Environmental Repair Program sites are those other than Leaking Underground Storage Tanks (LUSTs) that have contaminated soil and/or groundwater. Examples include industrial spills (or dumping) that need long term investigation, buried containers of hazardous substances, and closed landfills that have caused contamination.

Leaking Underground Storage Tanks*:* LUST

List of Leaking Underground Storage Tank (LUST) sites as recorded by the Department of Natural Resources (DNR). When petroleum products are released from underground tanks into the soil or groundwater, the DNR will work with the responsible party and environmental professionals to clean up the spill to state standards.

2.0 PROJECT AREA DESCRIPTION

2.1 Location and Legal Description

The subject property consists of one (1) parcel with Tax Key ID Number: 276000016841000 totaling 2.78 acres and located in the Northeast 1/4 of the Northwest 1/4 of Section 20, Township 03N, Range 23E. The site is located on the Northwest corner of the intersection of 17th Street and Taylor Avenue in the City of Racine, Racine County, Wisconsin. The recorded parcel legal description according to the Racine County Property Information Web Portal is as follows:

276000016841000: BLK 53 RACINE LAND + IMPROVEMENT CO`S SUB NO 2 LOTS 1 THRU 9, BLK 52 LOTS 5 THRU 12, E 35 FT LOT 13 + ADJ VAC ALLEYS, ADJ VAC BOYD AVE + N 1/2 FORMER C M ST P + P RR CO ROW DESC VOL 1689 RECS PG 163

2.2 Historical Use

A portion of the property was developed by the 1908 as E.C.R SCOW – manufacturer of concrete blocks. According to the questionnaire the property was developed in 1909 as The Brannum Lumber Company. The property is currently owned by Brannum Lumber Company with two tenants leasing portions of the property for storage.

2.3 Adjoining Properties

The land use adjoining the subject site is commercial/industrial and residential. Adjoining properties were observed from the property boundary or public right-of-ways (ROW) and tenants were not interviewed. The subject property is bounded by:

North:	Alleyway and residential properties.
East:	Taylor Avenue with industrial and commercial properties beyond.
South:	Former railroad ROW and industrial property beyond.
West:	Homes Avenue and residential properties beyond.

2.4 Site Maps

A Site Location Map and a Site Aerial Photograph are included in Appendix A as Figures 1 and 2, respectively. Photographs of the subject site and adjoining properties taken during the site reconnaissance are included in Appendix B. Hazardous Materials Site Location Maps showing the approximate location of potential hazardous materials sites based on record search and site reconnaissance within a 1 mile, 0.5 mile and ¼ mile radius are located within the Radius Search Report included as Appendix C.

3.0 USER PROVIDED INFORMATION

3.1 Title Records

This service was not requested by the Client as part of this assessment, nor did the User (Client) provide title record information.

3.2 Environmental Liens or Activity and Use Limitations (AULs)

The Client or User provided no information regarding property environmental liens or activity and use limitations. However, any liens and AULs associated with the property (if any) are anticipated to be addressed by the End User/Current Site Owner as part of the land/title transaction process.

3.3 Specialized Knowledge

The Client or User provided no specialized knowledge regarding recognized environmental conditions associated with the property, other than that discussed within Section 5.

3.4 Valuation Reduction for Environmental Issues

The Client or User provided no information regarding a significant valuation reduction for environmental issues associated with the property.

3.5 Owner, Property Manager, and Occupant Information

The subject property is currently owned and occupied by Brannum Lumber. Portions of the site are leased by two tenants for storage.

3.6 Reason for Performing Phase I

This assessment was performed to satisfy the requirements of the Client as part of a due diligence process.

4.0 RECORD SEARCH

4.1 Standard Environmental Record Sources

Kapur Inc. (Kapur) retained Environmental Data Resources, Inc. (ERIS) of Toronto, Ontario, to conduct a search of the standard State and Federal environmental record databases for potential sources of environmental contamination in the project area (Ref. 4). The records review consisted of identifying the potential hazardous material sites within the ASTM recommended minimum search distances for the State and Federal databases. Kapur also reviewed the orphan list, provided by the database contractor, of sites that due to poor or inadequate address information are not mapped. The ERIS report is presented in Appendix C. PLEASE NOTE: Adjoining sites identified in the ERIS report are not always located accurately. Field verified distances and proximity to the subject site are detailed in the following sections.

Subject Property

The subject property address was not identified during a record search of federal and state databases within the ASTM recommended minimum search distances. A review of historic and current land use information, along with available local and regional geologic/hydrogeological data, indicates that a potential Vapor Encroachment Condition (VEC) does not exist on-site.

Surrounding Area

A review of the findings within a record search of federal and state databases per the ASTM recommended minimum search distances and additional documentation (where available) revealed no sites that would potentially constitute a REC of significant concern to the subject property.

Review of available LUST files (BRRTS # 03-52-001854) CJs Place indicate a spill or leak from the UST system resulted in soil and groundwater contamination from gasoline. According to the November 4, 1991, K. Singh and Associates, Inc., *Preliminary Environmental Assessment – Mary's Restaurant, 1756 Taylor Avenue, Racine, Wisconsin,* soil and groundwater contamination was identified in the southeast corner of the property during preliminary site investigation activities of the 1,500-gallon abandoned USTs. A total of 361 cubic yards of contaminated soil was excavated and disposed of at the Pheasant Run Landfill in Bristol, Wisconsin. Approximately 1,200 gallons of contaminated water was pumped from the excavation and disposed by Enviropur Waste Refining Technology, Inc. of Milwaukee, Wisconsin. A total of 19,302 gallons of contaminated water was pumped from the onsite recovery well and discharged into the sanitary sewer on throughout the duration of site remediation activities. There is no residual soil or groundwater contamination onsite. Onsite soil types consist of fill (silt, sand, and gravel), underlain by silty sand, underlain by clay. Depth to groundwater at the site ranges from approximately 3 to 20 feet below ground surface, with flow direction to the east southeast. The LUST activity was closed by WDNR on March 22,

1995. Based upon the distance from the former activity and no known residual soil or groundwater contamination, this site is not considered a REC to the subject property.

Review of available ERP files (BRRTS # 02-52-257322) Massey Ferguson/Kranz – Former and (BRRTS # 02-52-523414) New County Parcel C indicate impacts associated with historic activities and imported fill materials. These sites were once the properties of Massey Ferguson and prior to that Atlas Rubber Company and are listed under the same FID # 252229010. Residual VOC contaminated soil remain on the Massey Ferguson/Kranz – Former property. This site was closed with the WDNR on June 19, 2013 with continuing obligations (maintain an engineered barrier). Residual VOC contaminated soil and groundwater remain on the New County Parcel C. This site was closed with the WDNR on January 3, 2006 with continuing obligations (maintain an engineered barrier) and a deed restriction. Based upon the distance and location (across Taylor Avenue to the southeast), these sites are not considered a REC to the subject property.

4.2 Additional Record Sources

The following additional local and state record sources were reviewed to supplement the federal and state databases identified above.

4.2.1 Local

City of Racine Fire Department

A request was made to the City of Racine Fire Department to inquire about any responses indicating potential spills or leaks of hazardous substances have occurred at or adjacent to the subject site. The City of Racine Fire Department indicated that no spills or fires were responded to at the subject site in the last 5 years.

City of Racine Building Inspection Records

Kapur contacted the City of Racine regarding available building permit records for the subject site. The City of Racine had no permit records of environmental concern with regard to the subject property.

4.2.2 State

Wisconsin Department of Health and Family Services

Residential dwellings in the project area (Zip Code: 53403) have a median radon level of 3.95 pCi/L (picocuries per liter) with a maximum level of 42.5 pCi/L. The U.S. EPA has recommended a guideline concentration of 4 pCi/L as the trigger level for implementing radon mitigation actions. Based upon the potential for higher levels for the surrounding area, testing for radon within the occupied areas should be considered.

4.3 Historical Land Use Information

4.3.1 Historical Fire Insurance Maps

Fire Insurance Maps (FIMs) for the years 1908, 1933 and 1951 were reviewed to gather historical land use information on the subject property and surrounding project area (Ref. 5). Building were noted on the subject property for the years 1908, 1933, and 1951. The building on the 1908 map was developed as E.C.R SCOW – manufacturer of concrete blocks. The entire property was developed as Brannum Lumber Co on the 1933 and 1951 maps.

4.3.2 Topographic Maps

United States Geological Survey (USGS) Historical Topographic maps of the Racine South, Wisconsin Quadrangles for the years 1892, 1905, 1958, 1959, 1971, 1976, and 2016 were reviewed to gather historical land use information on the subject property and surrounding project area (Ref. 6). The subject site is shown as urban in the 1958, 1959, 1971, 1976, and 2016 topographic maps.

4.3.3 Aerial Photographs

Aerial Photographs were reviewed for the subject site for the years 1937, 1955, 1971, 1976, 1981, 1984, 1992, 2000, 2005, 2006, 2008, 2010, 2013, 2015, 2017, and 2018 (Ref. 7) to gather additional historical land use information of the project area. No other significant changes to the subject or adjacent properties were noted upon viewing the photos except for the following:

1937: The subject property was observed as an industrial facility. The area to the north was developed as residential and the area to the south was developed as industrial. 17th Street, Boyd Avenue, Homes Avenue, city alleyway, Taylor Avenue, and the railroad ROW to the south were observed.

1955: The subject property and surrounding area remained the same

1969: The building on the northeast portion of the property appears to have been razed and a smaller building is located in the same area. A building has been built along Homes Ave on the west side of the property. A building was observed in the east central portion of the property.

1971: The subject property and surrounding properties remained the same.

1976: A new building was observed on the west central portion of the property. An addition to the north of the building on the east central portion of the property was observed. The building is now connected to the building on the northeast portion of the property.

1981-2013: The subject property and surrounding area remained the same. The railroad tracks to the south of the property were removed sometime prior to 2000.

2015: A portion of the building along the south property border has been razed.

2017-2018: The subject property and surrounding properties remained the same.

Land feature changes did not occur on the subject property. There was no evidence of surface dumping, or systematic landfilling, such as shadows indicative of deep vertical cuts, or other signs evident in the photographs related to potential hazardous material presence or RECs of direct concern to the subject property.

4.3.4 City Directory Search

Available City Directory Records (Ref. 8) for the years 1929 through 2018 were reviewed to gather additional historical land use and occupancy information of the subject property and adjoining properties. The following occupants were listed at the subject property.

1720 Taylor Avenue:

1929:	No Listing
1931:	No Listing
1935:	No Listing
1941:	No Listing
1945:	No Listing
1950:	No Listing
1955:	No Listing
1959:	No Listing
1964:	Brannum Lbr CO
1969:	Brannum Lbr CO
1974:	Brannum Lbr CO
1979:	Brannum Lbr CO
1984:	Brannum Lbr CO
1989:	Brannum Lbr CO
1994:	Brannum Lbr CO
1999:	Brannum Lbr CO
2003:	Brannum Lbr CO
2008:	Brannum Lbr CO

2013:	No Listing
2018:	Acumen Design

No additional RECs were noted during the review of the city directories.

4.3.5 Wetlands and Wetland Indicators

A review of the online WDNR Surface Water Data application indicates no delineated wetland areas or hydric soils (wetland indicators) on the subject site. To confirm the presence or absence of wetlands and/or wetland indicators, a certified wetland delineator would need to evaluate the subject property. A Surface Water Viewer Map is included in Appendix C.

4.3.6 Electrical Transformer Polychlorinated Biphenyl (PCB) Search

There were no transformers located on the subject property. Two pole mounted transformers were identified on an adjacent ROW (alleyway) west of Building #1. The transformers appeared in sound condition and no obvious leaking, deterioration and/or staining of the surface below was observed. As such, the transformers are not considered a REC.

4.4 Physical Setting

Based on the USGS Racine South, WI Quadrangle topographic map (Ref. 3), the subject site is relatively flat with an approximate elevation of 640 feet above the Mean Sea Level (MSL). The surrounding topography slopes generally towards the northeast. Based on the LUST activity on the southern adjacent property, the local groundwater is estimated between 3 and 20 ft below ground surface (bgs). Local groundwater flow is to the northeast towards Root River. Depth to bedrock is expected to be greater than 100 ft of the land surface.

5.0 INTERVIEWS

Kapur interviewed Mr. Dale Anderson, owner, during the Phase I ESA site reconnaissance. An environmental questionnaire was also provided to Mr. Anderson to provide further information on the subject property. No other interviews were conducted during the Phase I ESA other than data requests and correspondence noted in section 4.2.

6.0 SITE RECONNAISSANCE

6.1 Subject Property

Kapur performed a reconnaissance of the subject site and surrounding area on July 30, 2020. The purpose of the reconnaissance was to identify the sources of potential environmental contamination within the subject site and the adjoining areas. Visual observations were made for possible presence of: stained soils, stressed vegetation, sheen on water, leaking sewer lines and septic systems, solid waste disposal indicators, hazardous substances, storage tanks, drums, hazardous substance containers, unidentified substance containers, and polychlorinated bi-phenyls (PCBs).

The subject property consists of a single parcel with Tax Key ID Number 276-00-00-16-841-000 totaling 2.8 acres. The parcel is currently zoned industrial. The subject property includes five buildings (see IDs on Figure 3). During the site reconnaissance a thorough inspection of the subject property was performed that included all accessible areas (please see photographs included in Appendix B). The property is serviced by municipal water and sewer.

Building #1 (located in the northeast) was constructed in approximately 1968, replacing a building that was destroyed in a fire in 1967 (per Mr. Anderson), and is approximately 5,000 square feet. An approximate 4,000 square-foot addition to the south of the original portion of Building #1 was constructed in approximately 1970. The addition interconnected the original portion of Building #1 to an approximate 5,100 square-foot warehouse building located to the southwest. The original portion of Building #1 and the addition consist of a one-story retail area, showroom and office space. Two bathrooms and a mechanical storage room (furnace and slop sink) were located in the original portion of Building #1. The interior of Building #1 (original portion and the addition) included an acoustic drop ceiling, linoleum tile floors, and wood paneled walls. The building was heated with a gas furnace and cooled with central air conditioning. The exterior of Building #1 (original portion and the addition) was constructed of masonry block and prefabricated particle board siding with an asphalt shingled roof. An asphalt paved parking area and driving area was located to the north, east, and south of the building. The warehouse area of Building #1 was constructed of corrugated metal siding, with a corrugated metal roof with a structural steel frame and did not have any heating or cooling mechanisms. To the west of the warehouse is an approximately 300 square-foot single-car garage, used for storage. It is constructed of wood on top of asphalt pavement and finished with a stucco exterior and a dilapidated asphalt shingled roof.

Building #2 (located to the southeast) was constructed in approximately 1909, and is approximately 7,700 square feet. It formerly acted as a Line Shed but is currently used only for storage. It consists of “special wood” storage located in lockable units with narrow overhead doors on the east, lockable storage in the center (one unit is leased to a tenant), and open-air storage to the west. It was constructed along the south side of the former Milwaukee Railroad spur that entered the site in the

southwest and ended at the eastern end of the property. It was constructed of wood on top of asphalt with a dilapidated asphalt shingled roof.

Building #3 was located to the west of the garage. It is approximately 900 square feet. It was used for cutting, ripping and planing wood. It contained a vacuum system that vacuumed up the wood shavings and dust and was collected in disposal containers on the western exterior of building. Per Mr. Anderson, the disposal containers were collected by an outside vendor for disposal. An enclosed storage area was located on the southeastern exterior of the building. Building #3 was constructed of wood with a concrete floor and finished with corrugated metal siding with an asphalt shingled roof. Building #3 did not have any heating or cooling mechanisms.

Building #4 was located to the north and northwest of Building #3. It is approximately 3,800 square feet. It contained an enclosed storage area leased by a tenant for storage of one boat. The leased unit was locked and not accessible, only visible through one window. The enclosed storage had a concrete floor. The remainder of the building was open-air storage with a gravel floor. Building #4 was constructed of corrugated metal siding, with a corrugated metal roof with a structural steel frame. Building #4 did not have any heating or cooling mechanisms.

Building # 5 was located to the west of Building #4. It is approximately 5,200 square feet. It contained miscellaneous dry storage. It contained a storage room in the northeast corner, and lofted storage extending the full length of the northern and western walls. Building #5 was constructed of corrugated metal siding, with a corrugated metal roof with a structural wood frame. Building #5 did not have any heating or cooling mechanisms.

A former Milwaukee Railroad spur enters the subject property from the southwest to the eastern end of the property, north of Building #2. The tracks were paved over with asphalt on majority of the property but were visible in the southwest. Two stormwater inlets were identified on the property and connected to a stormwater structure which discharged to the municipal stormwater sewer system. The property is covered with dilapidated asphalt, gravel and overgrown with weeds. The subject property is fully enclosed with a chain-link fence, with the exception of the asphalt paved areas to the north and east of Building #1, and a grassy area to the south of the subject property.

As part of the onsite building was constructed prior to 1978, there is potential for asbestos containing materials (ACM) or lead based paint (LBP) to have been utilized within the building materials. To confirm the presence or absence of ACM and LBP an inspection would need to be completed by a state licensed inspector prior to any proposed or future reconstruction activities, per WDNR regulations.

Photographs No. 1-40, in Appendix B show the subject site features and surrounding area as observed during the onsite inspection.

6.2 Vicinity

Kapur observed the immediate adjoining properties to the subject site during the reconnaissance, to the extent possible, from within the boundaries of the subject property or public right-of-way. No obvious indication of a REC was noted.

7.0 CONCLUSIONS

Kapur has performed a Phase I Environmental Site Assessment in conformance with the scope and limitation of ASTM Practice E1527-13 and the EPA 40 CFR part 312 of the Brannum Lumber property located at 1720 Taylor Avenue, Racine, Wisconsin. Any exceptions to, or deletions from, this practice are described in Section 1.3 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property except for the following:

Subject Property

The subject property address was not identified during a record search of federal and state databases within the ASTM recommended minimum search distances.

Surrounding Area

A review of the findings within a record search of federal and state databases per the ASTM recommended minimum search distances and additional documentation (where available) revealed no sites that would potentially constitute a REC of significant concern to the subject property.

8.0 OPINIONS

This assessment has revealed no evidence of a Recognized Environmental Condition in connection with the subject property and/or surrounding area except for the following:

Subject Property

The subject property address was not identified during a record search of federal and state databases within the ASTM recommended minimum search distances.

Surrounding Area

A review of the findings within a record search of federal and state databases per the ASTM recommended minimum search distances and additional documentation (where available) revealed no sites that would potentially constitute a REC of significant concern to the subject property.

The risk of contamination at the property is minimal. As such, further investigation (Phase II ESA) is not warranted at this time.

If the project scope should expand or changes to the current property land use (or layout) be proposed, this environmental site assessment may require reevaluation and additional environmental investigation activities would be warranted.

9.0 REFERENCES

1. American Society for Testing and Materials Standard Practice for Environmental Site Assessments: Phase I Environmental Assessment Process (E-1527-13).

2. Environmental Protection Agency (2005). Title 40, Code of Federal Regulations, Part 312 (40 CFR part 312) – Standard Practices for All Appropriate Inquiries (AAI).

3. USGS Topographic Map (2016) Racine South, Wisconsin Quadrangle 7.5-Minute Series.

4. ERIS (07/15/2020). Database Report, 1720 Taylor Avenue, Racine, Wisconsin 53403. Order Number 20200714049.

5. ERIS (07/15/2020). Fire Insurance Maps, 1720 Taylor Avenue, Racine, Wisconsin 53403. Order Number 20200714049.

6. ERIS (07/15/2020). Topographic Maps, 1720 Taylor Avenue, Racine, Wisconsin 53403. Order Number 20200714049.

7. ERIS (07/15/2020). Historical Aerials, 1720 Taylor Avenue, Racine, Wisconsin 53403. Order Number 20200714049.

8. ERIS (07/16/2020) Historical Directory Report, 1720 Taylor Avenue, Racine, Wisconsin 53403. Order Number 20200714049.

Disclaimer

The conclusions and recommendations contained in this report represent our professional opinions. No warranty or guarantee is expressed or implied concerning the findings and/or conclusions of this assessment. Rather, it is represented that the scope and performance of the professional services rendered are in accordance with the current established standards and accepted environmental and engineering practices as conducted within the site region by similar qualified contractors.

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APPENDICES

APPENDIX A

SITE MAPS AND FIGURES

SHEET: TOPOGRAPHIC MAP

FIGURE: 1

PROJECT: BRANNUM LUMBER COMPANY

LOCATION: 1720 TAYLOR AVENUE, RACINE, WISCONSIN 53403

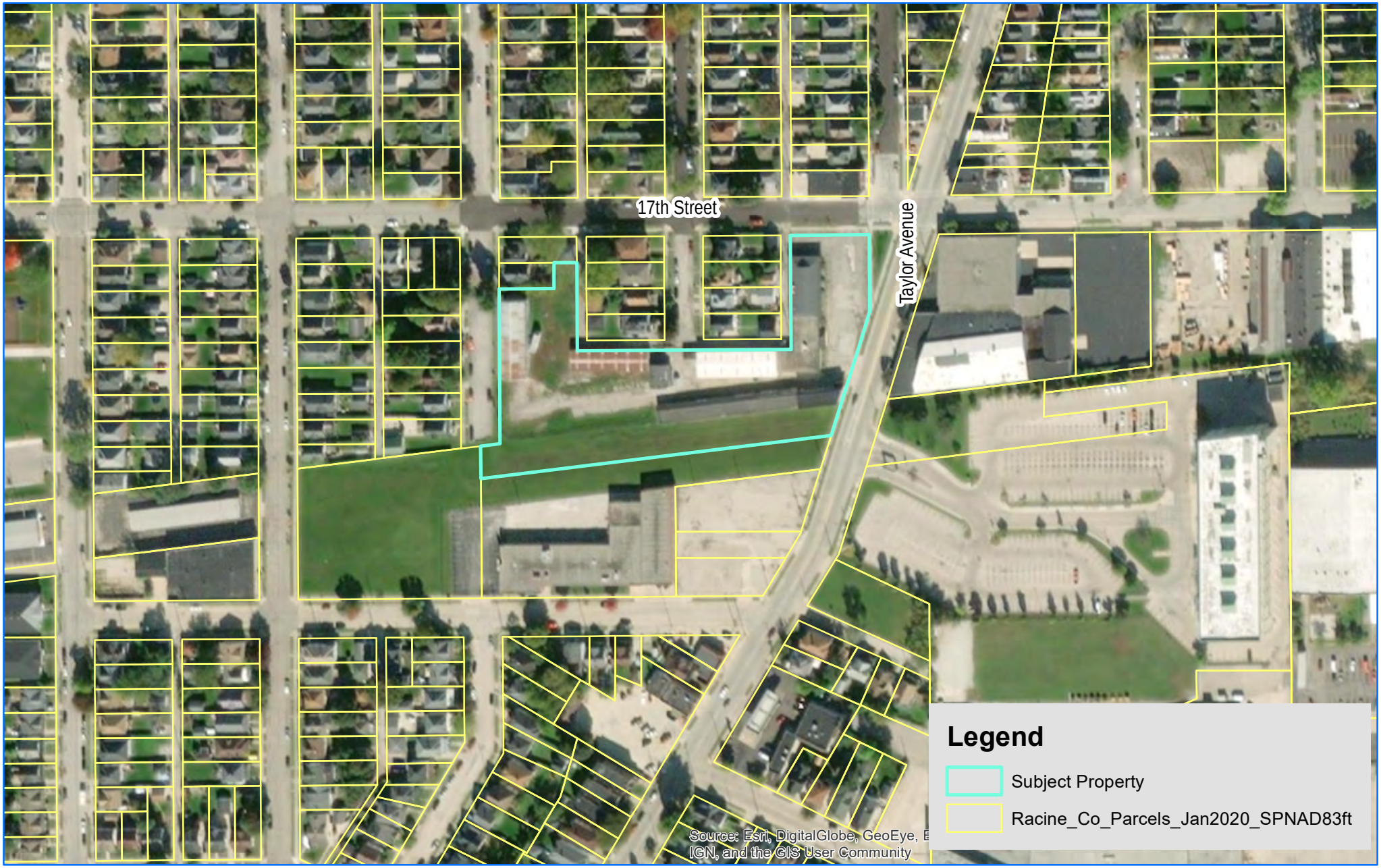
NORTH ARROW:

0 300 600 Feet

1 inch = 600 feet

we listen. we innovate. we turn your vision into reality.

DRAWN BY:	CHECKED BY:	APPROVED BY:	PROJECT NO.	DATE:	REVISION DATE:
JMS	TEH	TWP	20.0258.01	07/14/2020	



SHEET: AERIAL PHOTOGRAPH

FIGURE: 2

PROJECT: BRANNUM LUMBER COMPANY

LOCATION: 1720 TAYLOR AVENUE, RACINE, WISCONSIN 53403

NORTH ARROW:

Feet
0 100 200
1 inch = 200 feet

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DRAWN BY:	CHECKED BY:	APPROVED BY:	PROJECT NO.	DATE:	REVISION DATE:
JMS	TEH	TWP	20.0258.01	07/14/2020	

SHEET: AERIAL PHOTOGRAPH - BUILDING ID'S

FIGURE: 3

NORTH ARROW:

Feet
0 100 200
1 inch = 200 feet

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we turn your vision into reality.

PROJECT: BRANNUM LUMBER COMPANY

LOCATION: 1720 TAYLOR AVENUE, RACINE, WISCONSIN 53403

DRAWN BY:	CHECKED BY:	APPROVED BY:	PROJECT NO.	DATE:	REVISION DATE:
JMS	TEH	TWP	20.0258.01	07/14/2020	

APPENDIX B

SITE PHOTOGRAPHS

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APPENDIX C

ENVIRONMENTAL RECORDS

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RECORD SEARCH RESULTS & HISTORICAL REPORTS

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WDNR CASE FILE DOCUMENTATION

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OWNER PROVIDED ENVIRONMENTAL QUESTIONNAIRE

USER QUESTIONNAIRE SUPPLEMENTAL

INTRODUCTION

In order to qualify for one of the *Landwoner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"), the *user* must provide the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that "*all appropriate inquiry*" is not complete.

(1) Environmental cleanup liens that are filed or recorded against the site (40 CFR 312 25)

Are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal, tribal, state or local law? No

(2) Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312 26)

Are you aware of any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? No

(3) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312 28)

As the *user* of this *ESA*, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

I have experience related to the property. Brannum Lumber began in 1909 and the business continued to be selling building materials

(4) Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312 29)

Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?

yes, it reasonably reflects fair market

(5) Commonly known or reasonably ascertainable information about the property (40 CFR 312 30)
Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example, as *user*,

a. Do you know the past uses of the *property*? Yes

b. Do you know of specific chemicals that are present or once were present at the *property*? No

c. Do you know of spills or other chemical releases that have taken place at the *property*? No

d. Do you know of any environmental cleanups that have taken place at the *property*? No

(6) The degree of obviousness of the presence of likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312 31)
As the *user* of this *ESA*, based on your knowledge and experience related to the *property*, are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property*?

No

PHASE I ENVIRONMENTAL QUESTIONNAIRE

I. General Facility/Property Information

Name of Business Seeking Financing: _____

Mailing Address of Borrower: _____

Telephone Number: _____

Fax Number: _____

Subject Property Address: 1720 Taylor Ave, Racine, WI. 53403

Tax ID Number of Property: Parcel # 16841000

Current Property Owners: Henry Anderson, Eleanor Anderson, Dale Anderson, Sue Ellen Baily

Address: _____

_____

Number of Structures: 6

Date of Construction of each (If Applicable): _____

List Year/Size of All Additions: _____

Size of Facility: Acreage/Sq. ft. parcel: _____
Square Feet of Structure: _____
Number of Stories: _____
Basement (Yes/No): No
Municipal Water Supply or Private Well: Municipal
Municipal Sewerage Service or Septic Tank: Municipal
Current Use of Property/Facility: Lumber Yard & Retail
Planned Use of Property/Facility: Lumber Yard & Retail
Previous Uses of Property/Facility: Lumber Yard & Retail

Existing Use of Adjacent Properties Located to: Residential Only or
North: Residential & Commercial (both across the street)
South: Railroad Right-Away & Master Appliance
East: Taylor Ave. & an alley
West: Residential (across the street) & across an alley

_____

Borrower's Name (s) **Print** **Date**

PHASE I ENVIRONMENTAL QUESTIONNAIRE

Property Address: 1720 Taylor Ave

City: Racine County: Racine State: WI. Zip: 53403

Legal Description and Tax Key Number: Attach (If Available)

II. Questions (If 'Yes' please provide comment and additional information)

1. Is the property or any adjoining property currently used or to the best of your knowledge previously used for any industrial activities?
   Yes ✓ No ____ Comments: Master Appliance
   * Not adjoining until railroad right-away was sold around 1980
2. Is the property or any adjoining property currently used, or to the best of your knowledge previously used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing lab, junk or salvage yard, landfill or as a waste treatment, storage, disposal, processing or recycling facility?
   Yes ____ No ✓ Comments: ____
3. Are there currently, or to the best of your knowledge, have there been previously, any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of greater than 5 gallons (19L) in volume or 50 gallons (190L) in the aggregate, stored on or used at the property or within the facility?
   Yes ✓ No ____ Comments: we stored 1 gal & 5 gal pails of paint in the aggregate over 50 gallons
4. Are there currently, or to the best of your knowledge, have there been previously, any industrial drums (typically 55 gallon (208L)) or sacks of chemicals located on the property or within the facility?
   Yes ____ No ✓ Comments: ____
5. Has fill dirt been brought onto the property that originated from a contaminated site or that is of an unknown origin?
   Yes ____ No ✓ Comments: ____
6. Are there currently, or to the best of your knowledge, have there been previously, any pits, ponds, or lagoons located on the property in connection with waste treatment or waste disposal?
   Yes ____ No ✓ Comments: ____
7. Is there currently, or to the best of your knowledge, has there been previously, any stained soil on the property?
   Yes ____ No ✓ Comments: ____
8. Are there currently, or to the best of your knowledge, have there been previously, any registered or unregistered storage tanks (above or underground) located on the property?
   Yes ____ No ✓ Comments: ____

PHASE I ENVIRONMENTAL QUESTIONNAIRE

9. Are there currently, or to the best of your knowledge, have there been previously, any vent pipes, fill pipes, or access ways as an indicator of a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?
   Yes_____ No ✓ Comments: _____

10. Are there currently, or to the best of your knowledge, have there been previously, any flooring, drains, or walls located within the facility that are stained by substances other than water or are emitting foul odors?
    Yes_____ No ✓ Comments: _____

11. If the property is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government environmental/health agency?
    Yes_____ No_____ Comments: N/A

12. Does the owner of the property have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?
    Yes_____ No ✓ Comments: _____

13. Has the owner of the property been informed of the past or current existence of hazardous substances or petroleum products or environmental violations by a regulatory agency with respect to the property or any facility located on the property?
    Yes_____ No ✓ Comments: _____

14. Does the owner of the property have any knowledge of any environmental site assessments of the property or facility that indicated the presence of hazardous substances or petroleum products on, or contamination of, the property or recommended further assessment of the property?
    Yes_____ No ✓ Comments: _____

15. Has the owner or occupant of the property been informed of past or present existence of environmental violations with respect to the property or any facility located on the property?
    Yes_____ No ✓ Comments: _____

16. Does the owner of the property know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant?
    Yes_____ No ✓ Comments: _____

17. Does the property discharge wastewater onto the property or to adjacent properties other than process/sanitary water into a subsurface sanitary sewer system?
    Yes_____ No ✓ Comments: _____

18. To the best of your knowledge, have any hazardous substances or petroleum products, unidentified waste material, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the property?
    Yes_____ No ✓ Comments: _____

19. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCB's?
    Yes_____ No ✓ Comments: _____

20. Has your business ever obtained or been denied a permit from a federal or state environmental agency?
    Yes_____ No ✓ Comments: _____

21. Have you conducted any environmental testing or environmental document review to determine if the property contained, or was used in any way that involved or may have involved, hazardous or radioactive materials, underground tanks, landfills, the discharge of air or water pollutants, asbestos, or PCB?
    Yes_____ No ✓ Comments: _____

22. Is the property capable of supporting wetlands vegetation for any part of the year?
    Yes_____ No ✓ If yes, will you fill or dredge any part of the wetlands are in connection with future development or use of the property?
    Yes_____ No_____ Comments: N/A

23. Was there ever a tank truck or tank railroad car unloading area anywhere on the property?
    Yes_____ No ✓ Comments: _____

24. Has the property ever been the subject of any environmentally related complaints, such as unusual or unpleasant odors or tastes in water?
    Yes_____ No ✓ Comments: _____

25. Have any radon tests been conducted on the property?
    Yes_____ No ✓ Comments: _____

General Comment: Structures constructed before certain dates are automatically suspect for asbestos, lead paint and/or PCB ballasts in florescent light fixtures.

Initial building constructed (Year)

Office 1968
Addition ≅ 1971
Out buildings Pre-1968

Asbestos Ban – 1978 (☐)*

Lead Paint Ban – 1973 (☐)*

PCB Ballast Ban – 1976 (☐)*

* - Indicates building likely contains asbestos, leaded paint or PCB lighting ballasts.
Check (✓) if applicable.

III. Certification

I, Dale Anderson, certify that:

a) I am authorized to act on behalf of the owner/seller in preparing this document.

b) The answers in the Questionnaire are true and complete to the best of my knowledge and belief after reasonable inquiry.

The person completing the form certifies that the answers provided are factual to the best of his/her acknowledgement. The person completing this form further understands that the representations made herein are material to the all persons or entities that are a party to the pending real estate transaction involving the subject property. The person completing this form is also responsible for promptly notifying all persons or entities party to the transaction of any additional facts or information relevant to the subject matter of this Questionnaire to which he/she becomes aware of.

Questionnaire Completed by:

Dale Anderson		Seller
Print Name		Party to Transaction
Dale Anderson	President	7-15-20
Signature	Entity/Title/Position	Date

APPENDIX D

LEGAL DOCUMENTATION

ArcGIS Web Map

July 14, 2020

Override 1

Tax Parcels

Municipal Boundaries

2015 Spring Aerial

Red: Band_1

Green: Band_2

Blue: Band_3

1:2,257

0 0.01 0.03 0.05 mi

0 0.02 0.04 0.09 km

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%WGIRX 0ERH 6IGSVHW

%GGIWW 8]SSWI 'EXIKSV]˚ ;LEX HS]SY [ERX XS HS# ,IT
4YFPI Real estate property & tax Search properties ?
&VS[WIV 7IXY

6IXYVR XS WIEVGL VIWYPXW 4VSTIVX] 7

3[RIV W ˚ BRANNUM LUMBER	0SGEXMSR˚
1EMPMRK %HHVIWW˚ BRANNUM LUMBER COMPANY PO BOX 2026 BROOKFIELD, WI 53008 6IUYIWX 1EMPMRK 9	7GLSSP (MWXVMGX˚ 4620 - UNIFIED SCHOOL DISTRICT

8E\ 4EVGIP -(2YQFIV˚ 276-00-00-16-841-000	8E\ (MWXVMGX˚ 276-CITY OF RACINE	7XEXYW˚ Active
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(IWGVMTXMSR 'SQQIRXW 4PIEWI WII (SGYQIRXW XEF FIPS[JSV VIPEXIH HSGYQIRXW *SV E GSQTF
BLK 53 RACINE LAND + IMPROVEMENT CO`S SUB NO 2 LOTS 1 THRU 9, BLK 52 LOTS 5 THRU 12, E 35 FT LOT 13 + ADJ VAC ALLEYS, ADJ VAC BOYD AVE + N 1/2 FORMER C M ST P + P RR CO ROW DESC VOL 1689 RECS PG 163

7MXI %HHVIWW 1EMPMRK EHHVIWW QE] RSX FI ZIVMçIH ERH GSYPH FI MRGSVVIGX (3 238 YWI XLI WMXI EHHVIWW MR F
1720 TAYLOR AVE RACINE, WI 53403

Select Detail --> <Select Detail>

1EOI (IJEYPX (IX 4VMRXIV *VMIRHI
:MI[4VSTIVX] -RJS :MI[-RXIVEGXMZ

Summary of Subject Details:

238)˚ 2SX EPP WYFNIGX HIXEMPW EVI EZEM

Assessments:
%WWIWWQIRX HIXEMP F]]IEV

Taxes:
8E\ LMWXSV] F]]IEV PMROW XS XE\ TE]QIRX LMWXSV] ERH TE]SJJ GEPGYPEXSV

Zoning:
6YVEP ^SRMRK QET JSV XLI WIPIGXIH TEVGIP >SRMRK MW MRXIRHIH XS FI YWIH EW E VIJIVIRGI SRF
^SRMRK TPIEWI GSRXEGX PSGEP SJçGMEPW

Districts:
7TIGMEP (MWXVMGX MRJSVQEXMSR 0EOI 7ERMXEV] 8-* &-(

Parcel History:
,MWXSV] SJ XE\ TEVGIP GLERKIW 4EVGIP LMWXSV] MW RSX EZEMPEFPI JSV GLERKIW QEHI TVMSV XS

Documents:
(SGYQIRXW VIPEXIH XS WIPIGXIH XE\ TEVGIP 8LIVI QE] FI SXLIV HSGYQIRXW VIPEXIH XS XLMW TEVC

Survey History:
0MWX SJ WYVZI]W TIVJSVQIH SR WIPIGXIH TEVGIP SV SR TEVIRXW SJ WIPIGXIH TEVGIP 8LIVI QE] FI

Sales History:
0MWX SJ EPP WEPIW VIPEXIH XS XLI WIPIGXIH TEVGIP 8LIVI QE] FI HSGYQIRXW VIPEXIH XS XLMW TE

Parcel Map:
-RXIVEGXMZI QET SJ XLI WIPIGXIH XE\ TEVGIP 1ETW EVI EZEMPEFPI JSV Ø%GXMZIÙ TEVGIPW SRP]

Permits:
0MWXMRK SJ WERMXEV] ERH SV PERH YWI TIVQMXW EWWSGMEXIH [MXL XLI TEVGIP

Log in

:MI[(MWGPEMQIV

6EGMRI 'SYRX]
%WGIRX 0ERH 6IGSVHW

%GGIWW 8]SSWI 'EXIKSV]˚ ;LEX HS]SY [ERX XS HS# ,IP

4YFPI Real estate property & tax Search properties ?

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